

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

**The State
Standard Metropolitan Statistical Areas
of 250,000 or More**

THE STATE

Total

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or less	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	1 164 058	93 738	90 062	145 835	126 215	141 014	141 679	123 475	97 387	150 542	54 111	3 895	5 236
Professional, technical, and kindred workers	174 573	7 949	8 112	14 273	13 556	12 839	11 244	11 903	13 989	49 150	31 558	6 530	7 541
Accountants	6 676	218	250	492	395	478	639	834	790	1 809	771	6 041	7 182
Computer specialists	1 624	15	16	80	88	96	80	128	119	562	384	7 715	8 714
Librarians	3 667	292	234	387	345	242	210	186	119	85	59	7 406	8 288
Mathematical specialists	265	16	—	18	20	14	6	21	35	297	279	7 995	9 123
Life and physical scientists	955	16	52	47	56	39	40	46	45	9 997	3 787	6 068	7 500
Registered nurses, dietitians, and therapists	33 934	819	1 044	2 300	2 956	3 197	3 206	3 212	3 416	9 997	3 787	4 985	5 724
Dietitians	1 406	46	55	122	151	128	204	231	112	205	152	6 163	7 602
Registered nurses	30 353	728	925	2 002	2 592	2 856	2 788	2 778	3 114	9 191	3 379	5 519	6 552
Health technologists and technicians	8 001	231	367	553	592	777	917	1 086	973	1 808	1 233	7 293	8 931
Social scientists	682	15	31	65	50	26	39	56	47	1 931	1 201	7 175	8 320
Social and recreation workers	6 039	303	189	310	293	401	329	550	532	1 233	230	5 714	8 916
Teachers: College and university	5 428	273	377	608	491	423	395	206	248	975	1 432	7 521	8 129
Elementary and prekindergarten	53 809	2 004	2 029	4 136	3 998	3 251	2 169	2 424	3 841	17 593	12 364	7 548	8 332
Secondary	20 293	783	750	1 498	1 711	1 272	763	783	1 303	7 032	4 398	2 047	4 764
Other teachers	4 624	847	677	768	426	397	286	206	214	523	280	5 686	6 833
Engineering and science technicians	2 598	117	144	196	160	182	295	299	345	597	263	5 609	6 484
Technicians, except health, and engineering and science	503	22	17	46	31	67	55	75	109	46	11	3 024	5 836
Writers, artists, and entertainers	7 332	1 032	913	1 095	610	667	555	498	392	975	595	11	3 336
Actors and dancers	305	28	24	38	41	64	30	14	15	40	11	4 379	6 839
Authors, editors, and reporters	1 734	175	114	226	112	204	95	158	126	356	168	6 154	7 384
Other professional, technical, and kindred workers	18 143	955	1 022	1 674	1 336	1 306	1 244	1 313	1 439	3 922	3 932	5 703	6 390
Managers and administrators, except farm	34 396	1 396	1 234	2 569	2 568	3 085	3 603	3 902	3 576	6 631	5 832	5 628	6 086
Buyers, purchasing agents, and sales managers	4 923	87	84	214	320	561	722	754	633	1 064	484	4 458	5 566
Restaurant, cafeteria, and bar managers	3 337	198	213	334	269	458	429	378	327	342	389	7 607	8 500
School administrators	2 237	133	81	286	311	71	66	65	64	205	955	6 001	6 600
Other specified managers and administrators	8 330	345	391	670	499	640	704	915	919	1 987	1 260	6 155	6 801
Managers and administrators, n.e.c., salaried	11 795	265	237	563	758	1 045	1 354	1 453	1 432	2 584	2 104	5 584	6 162
Wholesale and retail trade	4 074	89	82	187	285	470	608	541	501	811	500	4 207	4 833
Managers and administrators, n.e.c., self-employed	3 774	368	228	502	411	310	328	337	201	449	640	3 855	4 567
Wholesale and retail trade	2 334	258	142	321	263	214	206	203	112	297	318	2 328	3 749
Sales workers	92 454	12 193	11 523	17 872	14 134	13 783	9 645	5 155	2 638	3 412	2 099	2 249	3 592
Demonstrators, hucksters, and peddlers	5 234	1 219	1 055	992	492	304	212	84	63	44	59	4 990	5 893
Insurance, real estate agents, and brokers	4 527	267	250	485	444	506	673	663	451	813	685	2 249	3 592
Sales clerks, retail trade	67 671	8 765	8 363	13 922	11 181	11 177	7 508	3 347	1 325	1 471	612	2 955	4 478
Salesmen, retail trade	2 943	277	294	506	413	426	239	261	169	224	134	2 528	4 364
Other sales workers	12 079	1 665	1 561	1 967	1 604	1 370	1 013	800	630	860	609	4 392	5 509
Clerical and kindred workers	405 231	23 198	25 460	44 727	39 299	46 247	60 369	60 024	46 431	51 845	7 631	4 186	4 836
Bank tellers	10 527	287	381	1 229	1 287	1 616	2 487	1 749	937	500	54	4 815	5 511
Bookkeepers	46 590	1 491	2 011	4 077	4 075	5 503	7 530	7 731	5 789	6 964	1 419	2 574	4 201
Cashiers	32 539	3 368	3 840	6 218	4 957	4 627	3 763	3 029	1 595	920	222	2 713	4 194
Counter clerks, except food	7 369	776	843	1 392	944	1 125	926	629	377	336	21	1 484	5 543
Enumerators and interviewers	1 231	295	194	257	95	69	60	95	137	103	24	3 286	5 120
File clerks	11 168	1 133	1 059	1 701	1 311	1 330	1 413	1 227	1 015	889	90	5 031	5 999
Office machine operators	18 037	696	710	1 377	1 586	1 750	2 809	2 879	2 698	3 300	232	4 404	5 358
Bookkeeping and billing machine operators	2 334	95	141	223	271	259	441	402	292	200	10	5 102	6 055
Key punch operators	10 649	370	369	747	943	987	1 729	1 756	1 641	1 981	126	5 589	6 162
Payroll and timekeeping clerks	4 783	120	173	242	263	343	669	988	823	1 014	148	3 242	4 592
Receptionists	13 083	1 209	1 386	1 938	1 542	1 925	2 154	1 612	663	561	93	5 071	5 868
Secretaries	104 063	3 589	4 770	8 422	8 386	10 492	15 692	18 021	14 611	18 128	2 552	5 812	6 344
Stenographers	5 044	57	134	237	330	391	615	884	1 020	1 193	143	4 501	5 504
Telephone operators	14 419	664	694	1 490	1 399	1 622	2 265	2 909	1 846	1 245	283	4 206	5 399
Typists	39 316	2 717	2 883	4 573	3 779	4 420	6 239	6 024	4 674	3 745	262	4 207	5 511
Other clerical and kindred workers	97 062	6 756	6 978	11 574	9 345	11 034	13 747	12 247	10 346	12 947	2 088	6 075	6 854
Craftsmen and kindred workers	20 853	949	861	1 724	1 866	2 586	2 669	2 569	1 959	3 447	2 223	4 914	6 075
Foremen, n.e.c.	3 809	49	54	170	170	319	550	497	462	928	610	4 477	5 423
Operatives, except transport	162 559	6 620	7 688	14 218	15 764	24 486	26 189	22 339	17 854	25 391	2 010	4 986	6 023
Assemblers	31 935	836	1 185	2 278	2 672	4 083	4 981	4 354	4 469	6 846	231	2 745	3 392
Bottling and canning operatives	701	71	66	92	163	87	95	45	34	—	—	5 499	6 166
Checkers, examiners, and inspectors, manufacturing	14 429	283	333	717	927	1 582	2 187	2 374	2 425	3 354	247	3 077	3 715
Dressmakers and seamstresses, except factory	3 229	221	289	569	486	642	515	296	94	83	34	3 005	3 799
Laundry and drycleaning operatives, including ironers	9 101	739	665	1 026	1 371	2 458	1 532	646	362	223	79	2 500	5 179
Graders and sorters, manufacturing	745	65	72	176	119	71	76	95	43	21	4	4 007	5 231
Packers and wrappers, except produce	14 543	891	968	1 507	1 501	2 389	2 240	2 376	1 439	1 155	77	4 602	5 293
Sewers and stitchers	11 959	333	396	894	1 237	2 063	1 755	1 383	1 433	2 385	80	4 159	5 276
Textile operatives	431	19	12	39	61	71	85	76	48	20	—	4 474	5 423
Other specified operatives	40 828	1 756	2 022	3 682	3 740	6 027	6 721	5 610	4 025	6 401	844	4 524	5 490
Miscellaneous and not specified operatives	34 658	1 406	1 680	3 238	3 487	5 013	6 002	5 084	3 465	4 869	414	4 892	5 857
Manufacturing	31 409	1 088	1 354	2 795	3 032	4 509	5 583	4 743	3 275	4 664	366	4 715	5 918
Durable goods	18 630	531	570	1 490	1 622	2 486	2 932	2 834	2 269	3 654	242	4 938	5 843
Machinery, including electrical	4 334	120	138	351	448	680	601	601	460	879	56	4 117	5 016
Other durable goods	14 296	411	432	1 139	1 174	1 806	2 331	2 233	1 809	2 775	186	3 446	4 341
Nondurable goods, including not specified manufacturing	12 779	557	784	1 305	1 410	2 023	2 651	1 909	1 064	1 010	124	4 046	4 539
Food and kindred products	1 793	110	221	248	210	241	235	230	148	140	10	3 164	4 646
Apparel and other fabricated textile products	781	47	37	64	83	150	208	73	59	55	4	2 751	3 489
Nonmanufacturing industries	3 249	318	326	443	455	504	419	341	190	205	48	3 327	4 689
Transport equipment operatives	8 393	568	782	1 627	1 623	1 233	824	485	357	596	298	2 239	3 038
Laborers, except farm	12 576	1 356	1 258	1 632	1 466	1 762	1 720	1 162	896	1 167	157	1 047	2 500
Formers and farm managers	1 321	285	149	195	132	142	102	64	70	118	64	1 077	2 809
Farm laborers and farm foremen	2 557	803	451	517	275	169	145	62	50	55	30	720	—
Paid farm laborers and farm foremen	2 435	753	426	503	256	159	145	62	50	55	26	—	—
Unpaid family workers	122	50	25	14	19	10	—	—	—	—	4	—	—
Service workers, except private household¹	219 910	28 878	26 247	39 377	32 168	33 014	24 467	15 552	9 451	8 605	2 151	2 480	<

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

THE STATE—Continued

Negro

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or loss	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	137 898	10 274	10 655	15 917	15 507	19 176	18 496	14 113	12 155	16 250	5 355	3 865	4 893
Professional, technical, and kindred workers	14 893	447	455	832	778	858	1 096	1 327	1 356	4 303	3 441	2 207	7 367
Accountants	575	30	8	48	15	64	38	72	53	185	62	6 236	7 408
Computer specialists	171	10	6	22	—	4	6	19	5	52	47	7 777	8 883
Librarians	165	13	12	21	10	7	12	18	3	4	65	5 417	—
Mathematical specialists	23	—	—	—	5	—	—	—	6	7	5	—	—
Life and physical scientists	64	—	—	5	9	10	4	—	8	10	18	—	—
Registered nurses, dietitians, and therapists	2 942	29	77	115	180	163	365	316	357	861	479	6 633	7 553
Dietitians	412	5	16	34	65	28	90	65	33	56	20	4 644	5 500
Registered nurses	2 344	24	61	74	111	115	255	225	287	756	436	7 079	7 926
Health technologists and technicians	1 074	13	18	54	27	89	166	247	128	239	93	5 688	5 873
Social scientists	82	—	—	7	10	—	15	4	14	9	23	—	—
Social and recreation workers	1 245	51	50	61	52	62	51	160	148	312	298	6 916	8 131
Teachers: College and university	180	—	20	8	—	17	21	19	27	17	51	6 185	—
Elementary and prekindergarten	4 459	107	115	249	209	252	199	201	250	1 496	1 496	8 407	7 939
Secondary	1 396	27	14	65	72	53	23	49	99	600	394	8 480	8 074
Other teachers	197	33	37	5	5	5	12	26	15	50	9	5 058	—
Engineering and science technicians	136	6	4	14	8	9	11	32	23	25	4	5 500	—
Technicians, except health, and engineering and science	63	11	—	11	—	4	3	—	6	28	—	—	—
Writers, artists, and entertainers	351	37	14	54	34	26	35	31	25	80	15	4 300	7 092
Actors and dancers	25	7	—	—	6	6	—	—	—	—	6	—	—
Authors, editors, and reporters	78	5	10	8	—	16	—	9	—	30	—	—	—
Other professional, technical, and kindred workers	1 770	80	80	93	142	93	135	133	189	443	382	6 683	7 127
Managers and administrators, except farm	2 252	86	90	178	154	228	233	254	223	413	393	5 618	6 178
Buyers, purchasing agents, and sales managers	273	—	16	19	6	41	46	52	51	25	17	5 163	5 467
Restaurant, cafeteria, and bar managers	231	11	30	35	10	27	37	30	7	22	22	4 068	4 688
School administrators	155	5	—	7	18	9	8	5	—	29	74	9 638	—
Other specified managers and administrators	887	40	41	66	46	59	91	79	113	198	154	6 190	6 628
Managers and administrators, n.e.c., salaried	502	10	3	42	27	61	32	73	46	111	97	6 065	7 000
Wholesale and retail trade	143	—	—	15	9	16	12	24	—	45	22	5 813	—
Managers and administrators, n.e.c., self-employed	204	20	—	9	47	31	19	15	6	28	29	3 839	4 789
Wholesale and retail trade	131	13	—	9	41	17	12	15	6	9	9	3 147	—
Sales workers	5 353	648	588	630	836	1 045	649	451	253	186	67	2 969	4 039
Demonstrators, hucksters, and peddlers	118	31	11	10	20	14	22	6	4	—	—	2 350	—
Insurance, real estate agents, and brokers	279	4	13	16	30	9	52	85	43	21	6	5 182	5 340
Sales clerks, retail trade	3 899	475	473	507	583	849	485	250	163	76	38	2 848	3 851
Salesmen, retail trade	141	4	5	25	25	20	4	47	11	—	—	3 575	—
Other sales workers	916	134	86	72	178	153	86	63	32	89	23	2 933	4 288
Clerical and kindred workers	38 394	2 813	2 569	3 861	3 841	4 362	5 850	5 389	4 764	4 442	504	4 299	5 513
Bank tellers	597	27	4	58	42	95	120	142	76	28	5	4 504	5 533
Bookkeepers	2 006	92	105	177	168	231	421	312	211	255	34	4 644	5 295
Cashiers	2 850	324	293	444	463	379	403	216	194	113	21	2 784	4 223
Counter clerks, except food	748	131	77	132	106	101	87	57	24	33	—	2 321	4 182
Enumerators and interviewers	173	18	34	31	11	5	12	23	16	18	5	2 318	—
File clerks	1 542	152	188	224	196	187	214	185	142	48	6	3 059	4 294
Office machine operators	2 618	124	121	175	233	193	508	472	379	388	25	4 911	5 746
Bookkeeping and billing machine operators	258	13	22	21	38	22	55	29	29	29	—	4 236	5 293
Key punch operators	1 701	71	64	91	158	119	335	357	260	230	16	5 035	5 780
Payroll and timekeeping clerks	264	4	13	15	15	10	27	58	49	73	—	5 828	6 488
Receptionists	945	70	100	77	93	146	169	167	82	36	5	3 908	4 738
Secretaries	4 490	257	222	289	375	409	626	820	724	691	77	5 082	5 754
Stenographers	442	5	26	23	27	10	57	81	71	122	20	5 901	6 406
Telephone operators	2 229	145	136	214	260	256	471	375	206	147	19	4 220	5 121
Typists	4 772	318	250	515	466	522	746	769	767	397	22	4 422	5 564
Other clerical and kindred workers	14 718	1 146	1 000	1 486	1 386	1 818	1 989	1 712	1 823	2 093	265	4 263	5 824
Craftsmen and kindred workers	1 964	93	123	140	168	334	269	238	166	360	73	4 461	5 561
Foremen, n.e.c.	294	5	—	23	13	36	75	25	23	71	23	4 933	4 992
Operatives, except transport	23 805	1 092	1 213	2 219	2 400	3 860	5 538	2 514	2 717	3 875	377	4 316	5 026
Assemblers	4 205	140	156	271	412	468	531	452	727	1 004	44	5 275	6 441
Bottling and canning operatives	58	5	7	—	19	11	12	—	4	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	1 321	26	43	123	112	166	161	159	197	304	30	5 186	6 469
Dressmakers and seamstresses, except factory	371	7	20	59	54	82	64	50	16	13	6	3 555	3 765
Laundry and drycleaning operatives, including ironers	3 763	239	200	301	458	1 116	734	339	186	153	37	3 612	3 976
Graders and sorters, manufacturing	39	4	—	12	3	10	2	—	4	4	—	—	—
Packers and wrappers, except produce	1 623	164	152	192	182	293	226	152	132	123	7	3 415	4 576
Sewers and stitchers	1 505	33	65	99	86	190	253	194	208	361	16	5 137	5 472
Textile operatives	45	5	7	9	—	14	4	6	—	—	—	—	—
Other specified operatives	6 232	281	318	623	600	901	888	680	688	1 092	161	4 443	5 257
Miscellaneous and not specified operatives	4 643	188	245	530	474	609	663	482	555	821	76	4 416	5 747
Manufacturing	4 035	130	200	428	415	498	585	410	505	797	67	4 592	5 990
Durable goods	2 589	71	101	234	262	281	353	257	370	612	48	4 979	6 390
Machinery, including electrical	306	5	12	35	60	38	26	26	40	57	7	4 115	—
Other durable goods	2 283	66	89	199	202	243	327	231	330	555	41	5 067	6 459
Nondurable goods, including not specified manufacturing	1 446	59	99	194	153	217	232	153	135	185	19	4 004	5 012
Food and kindred products	145	—	23	42	6	24	13	13	15	9	—	3 063	—
Apparel and other fabricated textile products	126	11	5	22	13	33	13	15	6	4	4	3 364	—
Nonmanufacturing industries	608	58	45	102	59	111	78	72	50	24	9	3 360	4 319
Transport equipment operatives	591	24	26	59	63	91	68	94	42	87	37	4 478	5 707
Laborers, except farm	2 378	176	220	282	214	386	348	269	202	267	14	3 769	4 937
Farmers and farm managers	161	—	—	23	17	33	37	14	15	22	—	4 203	4 203
Farm laborers and farm foremen	303	33	51	56	22	57	33	14	13	14	10	2 523	—
Paid farm laborers and farm foremen	299	33	51	52	22	57	33	14	13	14	10	2 614	—
Unpaid family workers	4	—	—	4	—	—	—	—	—	—	—	—	—
Service workers, except private household ¹	37 315	3 088	3 055	4 670	5 098	7 034	5 992	3 402	2 354	2 211	411	3 390	4 258
Cleaning service workers	7 607	506	576	1 019	1 197	1 682	1 204	586	471	317	49	3 301	3 915
Chambermaids and maids	1 862	109	111	302	374	504	304	90	45	23	—	3 069	3 472
Food service workers	9 147	1 036	1 007	1 357	1 476	1 775	1 236	613	388	202	57	2 795	3 858
Cooks, except private household	3 405	198	224	404	561	767	587	323	174	132	35	3 411	4 110
Waiters and food counter workers	2 783	493	419	371	454	531	256	136	69	36	18	2 239	3 498
Health service workers	12 919	595	662	1 171	1 402	2 398	2 601	1 526	1 131	1 275	158	4 089	4 704
Nursing aides, orderlies, and attendants	8 767	472	496	827	1 093	1 867	1 991	998	542	423	58	3 801	4 394
Practical nurses	2 611	36	50	148	109	255	280	361	496	792	84	6 134	6 787
Personal service workers	3 371	445	358	520	429	472	356	354	171	201	65	2 845	4 332
Hairdressers and cosmetologists	1 182	120	121	252	190	163	81	95	58	76	26	2 516	4 116
Private household workers	10 489	1 774	2 265	2 968	1 916	888	383	147	50	70	28	1 406	1 859
Private household workers, living in	312	34	48	85	73	55	4	13	—	—	—	1 871	2 189
Private household workers, living out	10 177	1 740	2 217	2 883	1 843	833	379	134	50	70	28	1 392	1 841

¹Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

THE STATE—Continued

Persons of Spanish Language

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or loss	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	11 955	1 118	1 021	1 537	1 685	1 561	1 536	1 182	798	1 161	356	3 395	4 805
Professional, technical, and kindred workers	1 356	83	89	104	142	113	75	108	125	294	223	5 667	6 896
Accountants	74	—	22	7	—	—	—	7	24	6	8	...	...
Computer specialists	12	—	—	—	—	—	—	—	—	5	7	...	...
Librarians	22	—	8	—	—	—	9	—	—	5	—	...	...
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	...	...
Life and physical scientists	3	—	—	—	—	—	—	—	—	—	3	...	...
Registered nurses, dietitians, and therapists	271	14	7	23	28	16	13	25	25	88	32	6 380	7 713
Dietitians	13	7	—	—	—	—	—	—	6	—	—	...	...
Registered nurses	230	7	7	17	28	16	6	16	19	82	32	6 947	8 033
Health technologists and technicians	88	—	11	—	8	—	—	22	22	25	—	...	...
Social scientists	—	—	—	—	—	—	—	—	—	—	—	...	...
Social and recreation workers	60	5	10	—	13	11	7	8	6	—	—	...	...
Teachers: College and university	105	—	12	6	—	13	—	—	10	—	64	10000+	...
Elementary and prekindergarten	271	23	12	20	54	20	5	21	—	78	38	5 071	...
Secondary	140	7	—	7	6	7	6	14	24	43	26	6 958	...
Other teachers	68	20	—	12	29	—	7	—	—	—	—	...	...
Engineering and science technicians	29	—	—	7	—	—	—	—	—	22	—	...	...
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	...	...
Writers, artists, and entertainers	53	9	—	—	—	17	9	6	7	—	5	...	...
Actors and dancers	20	—	—	—	—	11	9	—	—	—	—	...	...
Authors, editors, and reporters	15	9	—	—	—	6	—	—	—	—	—	...	...
Other professional, technical, and kindred workers	160	5	7	22	4	29	19	5	7	22	40	4 684	...
Managers and administrators, except farm	258	21	—	8	43	13	31	17	6	107	12	5 765	7 000
Buyers, purchasing agents, and sales managers	16	—	—	—	—	—	—	—	—	9	7	...	...
Restaurant, cafeteria, and bar managers	12	—	—	—	—	—	—	—	—	12	—	...	...
School administrators	8	—	—	—	8	—	—	—	—	—	—	...	...
Other specified managers and administrators	84	15	—	—	—	6	15	6	—	37	5	...	...
Managers and administrators, n.e.c., salaried	103	6	—	—	19	7	16	—	6	49	—	6 583	...
Wholesale and retail trade	36	6	—	—	14	—	7	—	—	9	—	...	...
Managers and administrators, n.e.c., self-employed	35	—	—	8	16	—	—	11	—	—	—	...	...
Wholesale and retail trade	17	—	—	8	9	—	—	—	—	—	—	...	...
Sales workers	702	183	82	128	86	89	73	22	13	16	10	1 672	3 713
Demonstrators, hucksters, and peddlers	31	8	9	7	7	—	—	—	—	—	—	...	...
Insurance, real estate agents, and brokers	35	13	—	—	7	4	—	—	7	4	—	...	...
Sales clerks, retail trade	497	137	44	104	72	85	39	10	6	—	—	1 649	3 210
Salesmen, retail trade	—	—	—	—	—	—	—	—	—	—	—	...	...
Other sales workers	139	25	29	17	—	—	34	12	—	12	10	1 912	...
Clerical and kindred workers	3 589	267	214	418	416	298	559	580	422	367	48	4 325	5 409
Bank tellers	76	—	—	7	16	11	22	12	8	—	—	...	...
Bookkeepers	320	11	12	12	36	36	81	56	31	25	20	4 654	4 872
Cashiers	292	33	47	64	27	58	21	42	—	—	—	2 074	...
Counter clerks, except food	61	14	—	31	6	—	10	—	—	—	—	...	...
Enumerators and interviewers	20	7	—	7	—	—	—	—	—	—	6	...	...
File clerks	109	18	10	7	32	15	13	6	8	—	—	2 609	...
Office machine operators	197	3	9	23	12	47	26	25	33	19	—	4 173	5 444
Bookkeeping and billing machine operators	27	3	—	7	5	—	6	—	6	—	—	...	...
Key punch operators	141	—	9	16	7	34	20	20	16	19	—	4 225	...
Payroll and timekeeping clerks	52	—	—	—	—	—	—	24	6	22	—	...	...
Receptionists	151	21	16	13	6	12	21	54	8	—	—	4 357	...
Secretaries	849	19	25	84	115	33	127	172	148	118	8	5 125	5 827
Stenographers	23	—	—	—	5	—	5	—	—	13	—	...	...
Telephone operators	76	12	13	12	8	12	6	13	—	—	—	...	...
Typists	364	25	13	47	32	7	74	61	44	61	—	4 784	5 520
Other clerical and kindred workers	999	104	69	111	121	67	153	115	136	109	14	4 180	5 319
Craftsmen and kindred workers	247	28	10	4	53	39	32	16	—	65	—	3 731	4 708
Foremen, n.e.c.	38	—	—	—	—	—	21	—	—	17	—	...	...
Operatives, except transport	2 756	143	194	305	395	562	442	296	140	239	40	3 607	4 583
Assemblers	400	19	30	41	61	65	63	47	38	36	—	3 754	4 784
Bottling and canning operatives	48	10	7	7	5	5	7	—	7	—	—	...	...
Checkers, examiners, and inspectors; manufacturing	223	5	19	8	19	25	65	32	8	42	—	4 546	...
Dressmakers and seamstresses, except factory	72	—	—	31	—	9	23	9	—	—	—	...	...
Laundry and drycleaning operatives, including ironers	163	5	15	17	62	39	19	—	6	—	—	2 718	...
Graders and sorters, manufacturing	44	6	—	23	7	—	—	8	—	—	—	...	...
Packers and wrappers, except produce	340	38	46	54	48	46	51	42	8	7	—	2 667	...
Sewers and stitchers	225	12	10	40	10	82	31	21	—	19	—	3 494	...
Textile operatives	—	—	—	—	—	—	—	—	—	—	—	...	...
Other specified operatives	690	35	34	35	62	187	119	51	60	93	14	3 957	5 027
Miscellaneous and not specified operatives	551	13	33	49	121	104	64	86	13	42	26	3 572	4 729
Manufacturing	498	6	33	44	93	91	64	86	13	42	26	3 802	4 938
Durable goods	285	6	13	13	42	41	33	67	13	42	15	4 833	5 579
Machinery, including electrical	70	6	—	7	24	7	7	13	6	—	—	...	...
Other durable goods	215	—	13	6	18	34	26	54	7	42	15	5 194	...
Nondurable goods, including not specified manufacturing	213	—	20	31	51	50	31	19	—	—	11	3 090	...
Food and kindred products	46	—	6	5	22	13	—	—	—	—	—	...	...
Apparel and other fabricated textile products	—	—	—	—	—	—	—	—	—	—	—	...	...
Nonmanufacturing industries	53	7	—	5	28	13	—	—	—	—	—	...	...
Transport equipment operatives	71	15	—	28	6	—	15	—	—	—	7	...	...
Laborers, except farm	140	18	17	10	24	38	17	4	—	12	—	3 026	...
Farmers and farm managers	—	—	—	—	—	—	—	—	—	—	—	...	...
Farm laborers and farm foremen	138	45	29	17	33	—	8	6	—	—	—	914	...
Paid farm laborers and farm foremen	138	45	29	17	33	—	8	6	—	—	—	914	...
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	...	...
Service workers, except private household¹	2 483	259	330	465	453	399	275	133	92	61	16	2 414	3 536
Cleaning service workers	361	28	12	43	84	94	38	20	34	8	—	3 144	3 651
Chambermaids and maids	74	—	—	17	11	19	—	5	13	—	—	...	...
Food service workers	1 045	155	193	286	329	110	96	52	13	—	11	1 610	2 952
Cooks, except private household	275	35	38	77	32	28	46	16	3	—	—	1 838	...
Waiters and food counter workers	467	73	103	144	61	21	27	23	10	—	—	1 399	2 276
Health service workers	518	16	63	72	84	135	59	39	27	18	5	3 178	4 024
Nursing aides, orderlies, and attendants	365	12	44	72	67	93	48	22	7	—	—	2 813	3 724
Practical nurses	73	—	7	—	16	—	11	10	6	18	5	...	...
Personal service workers	389	60	28	48	82	43	65	22	6	35	—	2 713	4 514
Hairdressers and cosmetologists	191	8	13	12	56	15	44	22	—	21	—	3 433	4 161
Private household workers	215	56	56	50	34	10	9	—	—	—	—	960	...
Private household workers, living in	7	—	—	—	7	—	—	—	—	—	—	...	...
Private household workers, living out	208	56	56	50	27	10	9	—	—	—	—	929	...

¹Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

DETROIT SMSA

Total

Females with earnings in 1969													Median earnings (dollars)	
Total, 16 years old and over	\$1 to \$499 or less	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks		
556 784	38 336	36 610	61 985	57 834	63 536	66 743	62 074	53 166	84 237	32 263	4 301	5 623		
80 590	3 066	3 094	6 378	5 851	5 599	4 694	5 492	5 807	22 018	18 591	7 043	7 966		
3 678	113	107	226	212	264	263	429	372	1 141	551	6 605	7 751		
897	15	11	31	28	53	29	75	69	295	291	8 398	9 431		
1 250	83	78	94	97	54	40	62	14	334	394	7 925	8 717		
181	7	-	5	10	10	6	16	19	64	44	7 820	8 570		
345	-	9	14	20	15	13	-	9	140	125	8 982	9 881		
14 831	318	359	833	1 112	1 159	1 278	1 319	1 470	4 446	2 537	6 706	8 126		
702	21	17	62	76	51	121	104	73	88	89	5 029	5 930		
13 213	288	326	705	964	1 019	1 078	1 123	1 296	4 089	2 325	6 851	8 252		
4 015	92	145	252	273	340	454	583	430	975	471	5 774	6 789		
325	-	22	21	14	14	11	14	22	65	142	9 054	9 289		
3 087	142	95	179	125	215	152	294	281	882	722	7 206	8 643		
1 564	63	68	125	89	101	142	74	74	296	532	7 466	10000+		
24 646	889	899	2 169	1 822	1 561	922	1 089	1 206	6 946	7 143	7 763	8 248		
9 616	379	307	851	787	585	336	353	482	3 084	2 452	7 708	8 263		
1 919	263	264	316	180	185	127	89	77	244	172	2 636	5 855		
1 196	26	24	67	75	85	104	121	185	355	154	6 519	7 543		
291	11	9	15	24	28	27	33	53	63	28	5 955	6 594		
3 800	325	352	548	359	356	328	281	226	596	429	3 888	6 542		
271	12	20	33	41	44	30	10	15	35	11	3 461	...		
745	47	28	69	45	61	45	95	59	177	119	5 816	7 683		
8 949	340	343	632	624	574	462	660	818	2 092	2 404	7 031	7 929		
16 724	539	561	1 059	1 047	1 232	1 554	1 924	1 760	3 666	3 382	6 253	6 913		
2 581	42	52	67	109	233	328	375	315	736	324	6 268	6 817		
1 584	70	111	131	87	188	250	242	152	180	173	4 820	5 726		
1 114	45	35	189	159	9	29	20	30	71	527	8 732	7 188		
3 795	157	210	259	202	277	225	359	415	991	700	6 502	7 041		
6 137	111	96	245	305	409	597	791	777	1 517	1 289	6 662	7 372		
1 933	51	19	60	74	139	250	291	275	477	297	6 300	6 759		
1 513	114	57	168	185	116	125	137	71	171	369	4 932	5 565		
915	88	31	98	130	101	62	76	41	108	180	4 153	5 045		
47 035	5 662	5 144	8 207	6 660	6 931	6 063	3 252	1 639	2 196	1 281	2 676	4 172		
1 611	439	331	345	193	129	80	25	13	27	29	1 103	1 941		
3 021	131	154	230	216	308	395	432	299	453	403	5 177	5 913		
34 858	4 229	3 836	6 478	5 375	5 537	4 899	2 171	896	1 048	389	2 537	3 968		
1 554	127	120	261	247	262	104	157	103	101	72	3 084	4 896		
5 991	736	703	893	629	695	585	467	328	567	368	3 050	4 905		
214 759	11 175	11 462	20 102	19 100	21 877	29 023	32 607	29 064	35 160	5 189	4 815	5 907		
5 369	122	147	558	724	724	1 035	997	669	361	32	4 396	5 224		
22 938	584	902	1 587	1 625	2 349	3 266	3 803	3 271	4 552	999	5 304	6 016		
17 010	1 766	1 937	2 926	2 492	2 279	2 159	1 788	995	555	113	2 753	4 505		
3 909	406	412	651	519	573	511	375	226	221	15	2 935	4 335		
493	76	89	87	52	17	22	51	22	62	15	1 937	6 529		
6 704	642	579	967	680	787	821	782	684	695	67	3 615	5 418		
11 128	362	444	756	925	926	1 517	1 693	1 824	2 487	194	5 374	6 364		
1 345	37	93	121	141	109	239	261	201	138	5	4 718	5 678		
6 500	197	249	418	510	496	947	1 032	1 093	1 455	103	5 420	6 399		
2 455	63	91	108	110	147	292	452	436	662	94	5 921	6 525		
6 490	585	597	882	812	924	1 039	839	411	347	54	3 399	4 737		
52 265	1 463	1 479	3 323	3 521	4 275	6 230	8 995	9 006	12 169	1 804	5 649	6 390		
2 986	62	70	125	183	206	305	487	638	808	102	6 086	6 639		
7 961	331	309	734	717	846	1 243	1 636	1 192	772	181	4 840	5 660		
23 104	1 429	1 441	2 564	2 138	2 484	3 435	3 701	3 069	2 701	142	4 436	5 624		
51 947	3 284	2 965	4 834	4 202	5 340	7 148	7 008	6 621	8 768	1 377	4 692	5 929		
8 992	314	369	609	762	925	1 014	1 123	1 027	1 708	1 141	5 448	6 564		
2 002	30	22	86	70	160	274	284	225	495	356	6 333	7 000		
66 547	2 446	2 757	5 219	5 918	8 866	9 798	9 021	8 030	13 391	1 101	4 823	5 808		
11 833	317	424	762	917	1 141	1 511	1 545	1 825	3 282	109	5 547	6 510		
164	11	15	5	15	22	53	15	24	4	-	4 264	...		
5 339	114	118	225	250	442	591	795	1 015	1 685	104	6 133	6 755		
1 726	79	140	229	262	372	319	185	54	71	15	3 411	4 238		
4 422	238	236	371	614	1 193	899	434	211	176	50	3 630	4 070		
96	12	10	10	8	10	15	16	9	6	-	...	...		
6 286	367	405	549	584	972	906	1 098	717	652	36	4 294	5 463		
5 723	130	159	280	476	739	704	702	775	1 696	62	5 532	6 373		
102	5	7	15	4	33	12	6	-	20	-	3 606	...		
17 326	650	692	1 455	1 445	2 195	2 514	2 501	1 947	3 425	502	4 885	5 906		
13 530	523	551	1 318	1 343	1 747	2 274	1 724	1 453	2 374	223	4 564	5 663		
11 929	376	424	1 098	1 169	1 506	2 054	1 548	1 315	2 251	188	4 777	5 766		
7 355	167	228	679	637	827	1 109	968	905	1 681	154	5 032	6 222		
1 715	26	50	153	152	205	199	183	187	518	42	5 396	6 971		
5 640	141	178	526	485	622	910	785	718	1 163	112	4 954	6 023		
4 574	209	196	419	532	679	945	580	410	570	34	4 267	5 066		
446	16	17	44	30	42	80	65	81	71	-	4 925	6 183		
323	16	10	34	30	66	77	40	20	26	4	4 071	4 300		
1 601	147	127	220	174	241	220	176	138	123	35	3 550	4 828		
2 914	179	204	280	431	499	400	219	199	324	179	3 727	4 463		
5 665	532	611	673	584	748	809	585	438	618	67	3 578	4 917		
270	63	13	23	14	36	39	10	23	33	16	3 611	4 397		
485	91	85	77	51	66	68	15	19	9	4	1 864	4 271		
476	86	85	77	51	66	68	15	19	9	-	1 870	4 271		
9	5	-	-	-	-	-	-	-	-	4	...	...		
98 879	11 076	9 526	15 687	15 200	15 584	12 792	7 641	5 071	5 039	1 263	2 865	4 205		
13 264	937	898	1 754	2 241	2 835	1 967	984	773	803	72	3 283	3 913		
2 494	209	174	369	489	598	386	124	92	53	-	3 010	3 571		
38 556	5 111	4 840	7 520	7 087	6 199	3 775	1 911	1 083	695	335	2 255	3 600		
8 040	591	637	1 203	1 524	1 649	1 033	568	408	291	136	3 039	4 119		
22 758	3 475	3 193	4 714	4 242	3 386	1 879	953	435	318	163	3 999	3 331		
24 253	1 707	1 481	2 912	2 692	3 737	4 522	2 894	1 940	2 100	268	3 892	4 828		
12 779	1 003	892	1 614	1 564	2 318									

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

DETROIT SMSA—Continued

Negro

Experienced civilian labor force														107 595	7 582	7 894	11 777	11 929	14 693	14 661	11 108	10 000	13 393	4 558	3 995	4 983
Professional, technical, and kindred workers														11 889	339	318	605	543	661	822	1 023	1 120	3 482	2 976	7 442	7 455
Accountants	522	21	8	31	15	64	25	63	53	180	62	6 642	7 588													
Computer specialists	145	10	6	18	—	—	—	16	5	47	43	8 117	9 170													
Librarians	109	9	12	17	—	7	7	—	3	4	50	6 833	—													
Mathematical specialists	23	—	—	—	5	—	—	—	6	7	5	—	—													
Life and physical scientists	39	—	—	5	—	10	—	—	4	10	10	—	—													
Registered nurses, dietitians, and therapists	2 348	26	58	96	130	109	278	234	322	682	413	6 755	7 614													
Dietitians	282	5	8	34	42	23	61	49	28	21	11	4 475	5 500													
Registered nurses	1 898	21	50	55	84	66	197	159	257	621	388	7 290	8 018													
Health technologists and technicians	875	11	13	32	16	69	139	210	120	189	76	5 750	5 912													
Social scientists	62	—	—	7	4	—	11	4	14	4	18	—	—													
Social and recreation workers	1 039	34	24	56	34	59	46	119	121	273	273	7 291	8 534													
Teachers: College and university	70	—	4	—	—	10	10	9	7	11	19	—	—													
Elementary and kindergarten	3 499	74	98	177	137	178	155	161	169	1 056	1 294	8 706	8 023													
Secondary	1 086	27	9	44	54	37	5	27	60	475	348	8 768	8 096													
Other teachers	153	28	27	5	5	—	4	21	9	45	9	5 357	—													
Engineering and science technicians	102	—	—	6	8	4	11	32	18	19	4	5 688	—													
Technicians, except health, and engineering and science	47	11	—	—	—	4	3	—	6	23	—	—	—													
Writers, artists, and entertainers	297	27	5	45	34	26	30	26	25	64	15	4 383	—													
Actors and dancers	25	7	—	—	6	—	—	—	—	—	6	—	—													
Authors, editors, and reporters	52	—	5	8	—	16	—	9	—	14	—	—	—													
Other professional, technical, and kindred workers	1 473	61	54	66	101	84	98	101	178	393	337	6 963	7 180													
Managers and administrators, except farm														1 860	62	86	161	117	187	171	196	177	372	331	5 745	6 241
Buyers, purchasing agents, and sales managers	199	—	16	13	—	35	28	31	41	25	10	5 242	5 820													
Restaurant, cafeteria, and bar managers	196	6	26	29	—	22	37	30	7	22	17	4 405	5 125													
School administrators	114	—	—	7	12	5	4	—	—	24	62	10 000+	—													
Other specified managers and administrators	742	40	41	66	33	53	63	62	82	178	124	6 159	6 471													
Managers and administrators, n.e.c., salaried	444	3	3	37	25	61	27	58	41	100	89	6 195	6 879													
Wholesale and retail trade	129	—	—	10	9	16	7	20	—	45	22	7 167	—													
Managers and administrators, n.e.c., self-employed	165	13	—	9	47	11	12	15	6	23	29	4 208	—													
Wholesale and retail trade	115	13	—	9	41	6	12	15	6	4	9	2 866	—													
Sales workers														4 357	495	471	478	642	853	585	382	225	172	54	3 108	4 178
Demonstrators, hucksters, and peddlers	97	23	8	10	16	14	16	6	4	—	—	—	—													
Insurance, real estate agents, and brokers	237	4	13	11	30	5	52	61	34	21	6	5 057	5 317													
Sales clerks, retail trade	3 184	372	374	380	455	687	437	227	144	76	32	3 016	3 963													
Salesmen, retail trade	110	—	5	9	18	20	4	43	11	—	—	4 750	—													
Other sales workers	729	96	71	68	123	127	76	45	32	75	16	3 051	4 358													
Clerical and kindred workers														32 202	2 220	2 052	2 874	3 121	3 568	4 946	4 556	4 320	4 094	451	4 458	5 619
Bank tellers	492	22	4	54	22	67	92	122	76	28	5	4 837	5 691													
Bookkeepers	1 786	79	89	160	142	203	401	266	174	244	28	4 549	5 282													
Cashiers	2 671	248	234	325	374	289	327	178	173	92	21	2 865	4 302													
Counter clerks, except food	2 667	113	77	121	95	91	71	52	24	33	—	2 289	4 200													
Enumerators and interviewers	153	18	34	26	11	—	8	17	16	18	5	1 942	—													
File clerks	1 336	129	144	168	153	156	209	181	142	48	6	3 474	4 840													
Office machine operators	2 349	87	111	121	214	178	457	438	356	362	25	5 015	5 771													
Bookkeeping and billing machine operators	2 550	9	22	21	38	22	51	29	29	29	—	4 255	5 362													
Key punch operators	1 501	48	64	54	144	107	292	329	239	208	16	5 126	5 808													
Payroll and timekeeping clerks	247	4	13	11	11	10	27	58	44	69	—	5 819	6 543													
Receptionists	779	62	74	52	79	121	152	132	71	31	5	4 010	4 732													
Secretaries	3 523	173	116	222	315	297	467	593	641	632	67	5 289	5 959													
Stenographers	379	5	22	23	22	10	51	46	68	112	20	6 154	6 574													
Telephone operators	1 882	116	113	168	201	227	419	302	186	131	19	4 277	5 119													
Typists	4 213	285	219	459	394	464	646	673	684	374	15	4 442	5 638													
Other clerical and kindred workers	12 125	879	802	964	1 088	1 455	1 619	1 498	1 665	1 920	235	4 540	5 990													
Craftsmen and kindred workers														1 503	83	89	115	132	228	198	197	134	282	45	4 528	5 573
Foremen, n.e.c.	222	5	—	23	13	23	63	19	16	55	5	4 746	4 819													
Operatives, except transport														16 752	742	745	1 517	1 660	2 734	2 614	1 790	1 898	2 763	289	4 374	4 994
Assemblers	2 636	64	94	179	229	254	355	274	445	711	31	5 522	6 687													
Bottling and canning operatives	37	—	—	—	10	11	12	—	4	—	—	—	—													
Checkers, examiners, and inspectors; manufacturing	778	15	25	83	58	96	91	88	144	173	5	5 239	6 494													
Dressmakers and seamstresses, except factory	294	2	13	41	44	78	49	32	16	13	6	3 603	3 656													
Laundry and drycleaning operatives, including ironers	2 921	138	100	239	364	878	618	272	144	131	37	3 706	4 063													
Graders and sorters, manufacturing	22	—	—	5	3	10	—	—	4	—	—	—	—													
Packers and wrappers, except produce	1 225	129	114	124	146	261	173	115	95	65	3	3 381	4 448													
Sewers and stitchers	1 308	28	61	82	77	140	205	186	178	335	16	5 328	5 716													
Textile operatives	45	5	7	9	—	14	4	6	—	—	—	—	—													
Other specified operatives	4 257	205	195	393	383	577	638	471	474	786	135	4 589	5 393													
Miscellaneous and not specified operatives	3 229	156	136	362	346	415	469	346	394	549	56	4 425	5 735													
Manufacturing	2 720	104	103	287	305	319	407	279	344	525	47	4 595	6 005													
Durable goods	1 790	55	75	178	177	188	244	186	264	386	37	4 910	6 259													
Machinery, including electrical	200	5	12	25	44	23	26	10	27	21	7	3 609	—													
Other durable goods	1 590	50	63	153	133	165	218	176	237	365	30	5 074	6 387													
Nondurable goods, including not specified manufacturing	930	49	28	109	128	131	163	93	80	139	10	4 123	5 079													
Food and kindred products	68	—	—	9	5	11	13	6	15	9	—	—	—													
Apparel and other fabricated textile products	120	11	5	22	13	33	13	15	—	4	4	3 273	—													
Nonmanufacturing industries	509	52	33	75	41	96	62	67	50	24	9	3 557	4 378													
Transport equipment operatives	365	14	20	31	31	55	51	51	28	58	26	4 618	5 500													
Laborers, except farm														1 901	146	164	208	164	348	290	197	159	211	14	3 772	4 927
Farmers and farm managers														121	—	—	5	10	28	31	10	15	22	—	4 565	4 565
Farm laborers and farm foremen														197	16	37	29	17	44	33	4	13	4	—	2 971	—
Paid farm laborers and farm foremen	197	16	37	29	17	44	33	4	13	4	—	2 971	—													
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	—	—													
Service workers, except private household ¹														28 073	2 139	2 138	3 420	3 877	5 214	4 630	2 564	1 869	1 874	348	3 472	4 335
Cleaning service workers	5 545	333	374	682	863	1 277	895	440	388	264	29	3 408	3 986													
Chambermaids and maids	1 353	77	74	208	263	372	226	75	41	17	—	3 147	3 524													
Food service workers	6 746	738	737	959	1 109	1 366	880	473	299	134	51	2 847	3 832													
Cooks, except private household	2 330	122	134	277	411	528	381	238	134	76	29	3 419	4 155													
Waiters and food counter workers	2 220	367	304	287	366	46																				

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

DETROIT SMSA — Continued

Persons of Spanish Language

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or less	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	5 867	432	452	632	710	682	723	666	525	819	226	4 035	5 302
Professional, technical, and kindred workers	782	28	57	40	90	47	31	67	113	184	125	6 274	6 663
Accountants	60	—	22	—	—	—	—	—	24	6	8	—	—
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Librarians	14	—	—	—	—	—	9	—	—	5	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	158	—	7	12	14	—	6	25	25	61	8	6 600	—
Dietitians	6	—	—	—	—	—	—	—	6	—	—	—	—
Registered nurses	137	—	7	6	14	—	6	16	19	61	8	7 025	—
Health technologists and technicians	50	—	6	—	8	—	—	15	15	6	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	47	5	5	—	13	11	7	—	6	—	—	—	—
Teachers: College and university	37	—	12	—	—	—	—	—	5	—	20	—	—
Elementary and prekindergarten	165	11	5	14	22	14	—	14	—	47	38	7 160	—
Secondary	107	7	—	7	—	—	—	7	24	43	19	7 593	—
Other teachers	29	—	—	—	29	—	—	—	—	—	—	—	—
Engineering and science technicians	11	—	—	—	—	—	—	—	—	11	—	—	—
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	38	—	—	—	—	11	9	6	7	—	5	—	—
Actors and dancers	20	—	—	—	—	11	9	—	—	—	—	—	—
Authors, editors, and reporters	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	66	5	—	7	4	11	—	—	7	5	27	—	—
Managers and administrators, except farm	143	—	—	8	5	7	7	11	6	94	5	7 878	7 761
Buyers, purchasing agents, and sales managers	9	—	—	—	—	—	—	—	—	9	—	—	—
Restaurant, cafeteria, and bar managers	7	—	—	—	—	—	—	—	—	7	—	—	—
School administrators	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified managers and administrators	42	—	—	—	—	—	—	—	—	37	5	—	—
Managers and administrators, n.e.c., salaried	66	—	—	—	5	7	—	—	6	41	—	—	—
Wholesale and retail trade	16	—	—	—	—	7	—	—	—	9	—	—	—
Managers and administrators, n.e.c., self-employed	19	—	—	8	—	—	—	11	—	—	—	—	—
Wholesale and retail trade	8	—	—	8	—	—	—	—	—	—	—	—	—
Sales workers	367	101	26	49	59	37	47	15	7	16	10	2 127	4 234
Demonstrators, hucksters, and peddlers	7	—	—	—	7	—	—	—	—	—	—	—	—
Insurance, real estate agents, and brokers	24	13	—	—	—	—	—	—	7	4	—	—	—
Sales clerks, retail trade	274	82	26	32	52	37	35	10	—	—	—	1 906	—
Salesmen, retail trade	—	—	—	—	—	—	—	—	—	—	—	—	—
Other sales workers	62	6	—	17	—	—	12	5	—	12	10	—	—
Clerical and kindred workers	2 131	111	118	197	212	171	318	375	287	308	34	4 807	5 596
Bank tellers	30	—	—	7	5	11	7	—	—	—	—	—	—
Bookkeepers	182	—	—	—	22	26	50	34	19	25	6	4 860	4 875
Cashiers	161	13	23	43	—	31	21	30	—	—	—	3 048	—
Counter clerks, except food	32	14	—	6	6	—	6	—	—	—	—	—	—
Enumerators and interviewers	6	—	—	—	—	—	—	—	—	—	6	—	—
File clerks	74	13	10	—	20	11	6	6	8	—	—	—	—
Office machine operators	149	—	9	23	12	30	13	25	18	19	—	4 038	—
Bookkeeping and billing machine operators	24	—	—	7	5	—	6	—	6	—	—	—	—
Key punch operators	114	—	9	16	7	24	7	20	12	19	—	4 143	—
Payroll and timekeeping clerks	38	—	—	—	—	—	—	10	6	22	—	—	—
Receptionists	95	14	16	5	6	8	5	33	8	—	—	—	—
Secretaries	496	14	11	39	44	13	52	109	105	101	8	5 688	6 112
Stenographers	23	—	—	—	5	—	5	—	—	13	—	—	—
Telephone operators	45	—	6	12	8	6	—	13	—	—	—	—	—
Typists	246	12	13	37	26	—	38	42	31	47	—	4 921	5 365
Other clerical and kindred workers	554	31	30	25	58	35	115	73	92	81	14	4 852	5 576
Craftsmen and kindred workers	135	17	—	4	22	18	15	5	—	54	—	4 433	—
Foremen, n.e.c.	26	—	—	—	—	—	15	—	—	11	—	—	—
Operatives, except transport	992	48	86	68	107	210	135	127	61	115	35	3 890	4 787
Assemblers	116	15	15	14	14	—	7	18	14	19	—	3 000	—
Bottling and canning operatives	14	—	7	—	—	—	7	—	—	—	—	—	—
Checkers, examiners, and inspectors, manufacturing	51	5	—	—	6	—	8	15	—	17	—	—	—
Dressmakers and seamstresses, except factory	34	—	—	7	—	—	18	9	—	—	—	—	—
Laundry and drycleaning operatives, including ironers	51	5	—	—	31	9	—	—	6	—	—	—	—
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	153	11	19	14	15	26	33	35	—	—	—	3 673	—
Sewers and stitchers	127	12	10	15	6	69	15	—	—	—	—	3 297	—
Textile operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified operatives	289	—	20	8	9	73	30	21	35	79	14	5 214	6 414
Miscellaneous and not specified operatives	157	—	15	10	26	33	17	29	6	—	21	3 833	—
Manufacturing	150	—	15	10	26	26	17	29	6	—	21	3 923	—
Durable goods	84	—	6	—	20	19	—	18	6	—	15	—	—
Machinery, including electrical	22	—	—	—	9	—	—	7	6	—	—	—	—
Other durable goods	62	—	6	—	11	19	—	11	—	—	15	—	—
Nondurable goods, including not specified manufacturing	66	—	9	10	6	7	17	11	—	—	6	—	—
Food and kindred products	—	—	—	—	—	—	—	—	—	—	—	—	—
Apparel and other fabricated textile products	—	—	—	—	—	—	—	—	—	—	—	—	—
Nonmanufacturing industries	7	—	—	—	—	7	—	—	—	—	—	—	—
Transport equipment operatives	43	9	—	21	6	—	—	—	—	—	7	—	—
Laborers, except farm	62	10	—	6	24	13	9	—	—	—	—	—	—
Farmers and farm managers	—	—	—	—	—	—	—	—	—	—	—	—	—
Farm laborers and farm foremen	—	—	—	—	—	—	—	—	—	—	—	—	—
Paid farm laborers and farm foremen	—	—	—	—	—	—	—	—	—	—	—	—	—
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household¹	1 126	101	135	220	161	173	161	66	51	48	10	2 665	4 145
Cleaning service workers	132	6	6	21	17	48	22	7	5	—	—	3 333	—
Chambermaids and maids	25	—	—	6	—	19	—	—	—	—	—	—	—
Food service workers	514	61	74	160	59	51	68	29	7	—	5	1 763	3 094
Cooks, except private household	112	8	6	47	10	13	25	—	3	—	—	1 894	—
Waiters and food counter workers	254	19	44	86	31	15	27	23	4	—	5	1 744	—
Health service workers	188	—	20	5	29	29	25	30	27	18	5	4 440	5 383
Nursing aides, orderlies, and attendants	117	—	15	5	23	29	25	13	7	—	—	3 534	—
Practical nurses	39	—	—	—	—	—	—	10	6	18	5	—	—
Personal service workers	214	34	21	23	21	39	46	—	—	30	—	3 205	—
Hairdressers and cosmetologists	103	8	6	6	15	15	32	—	—	21	—	4 047	—
Private household workers	86	7	30	19	24	6	—	—	—	—	—	—	—
Private household workers, living in	7	—	—	—	—	—	—	—	—	—	—	—	—
Private household workers, living out	79	7	30	19	17	6	—	—	—	—	—	—	—

¹Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text.)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

FLINT SMSA

Total

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or loss	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	59 379	5 086	4 430	6 631	5 832	6 345	6 283	6 056	5 708	10 170	2 838	4 217	5 763
Professional, technical, and kindred workers	8 624	523	345	646	591	591	563	526	685	2 604	1 530	6 769	7 869
Accountants	325	5	26	30	16	21	8	44	31	91	53	6 403	8 302
Computer specialists	51	—	—	—	—	—	6	—	9	27	9	—	—
Librarians	140	11	—	10	4	5	20	8	18	16	48	6 667	—
Mathematical specialists	5	—	—	—	—	—	—	—	—	5	—	—	—
Life and physical scientists	17	—	—	—	—	—	—	—	—	6	11	—	—
Registered nurses, dietitians, and therapists	1 793	37	58	132	133	127	166	158	149	598	235	6 574	8 190
Dietitians	81	—	4	4	20	—	—	14	—	19	20	—	—
Registered nurses	1 632	32	54	128	113	127	162	144	144	522	206	6 389	8 114
Health technologists and technicians	474	10	12	57	22	42	50	50	84	101	46	5 880	6 615
Social scientists	31	—	6	5	—	—	4	5	6	—	5	—	—
Social and recreation workers	254	16	—	4	10	15	14	35	30	104	26	7 087	7 694
Teachers: College and university	123	4	3	13	5	5	3	4	14	36	36	7 875	—
Elementary and prekindergarten	3 040	154	112	200	221	162	157	142	245	959	688	7 397	8 113
Secondary	1 213	66	46	64	70	133	47	24	39	475	249	7 742	8 784
Other teachers	270	98	24	29	24	29	16	—	20	25	5	1 448	—
Engineering and science technicians	57	—	—	11	10	—	—	5	10	10	11	—	—
Technicians, except health, and engineering and science	18	—	—	5	—	—	—	—	—	13	—	—	—
Writers, artists, and entertainers	248	66	30	44	23	20	17	10	5	26	7	1 636	—
Actors and dancers	—	—	—	—	—	—	—	—	—	—	—	—	—
Authors, editors, and reporters	50	5	6	8	—	5	3	—	5	15	3	—	—
Other professional, technical, and kindred workers	565	56	28	42	53	32	55	41	25	112	121	5 402	6 875
Managers and administrators, except farm	1 593	54	34	120	154	177	190	156	175	293	240	5 433	5 943
Buyers, purchasing agents, and sales managers	281	15	—	—	31	55	44	42	47	25	22	4 898	5 518
Restaurant, cafeteria, and bar managers	190	12	7	33	23	16	11	18	27	19	24	4 364	5 833
School administrators	109	—	—	14	11	—	—	8	7	10	59	10000+	—
Other specified managers and administrators	355	4	17	38	27	15	55	38	28	83	50	5 566	5 941
Managers and administrators, n.e.c., salaried	531	17	5	18	38	81	59	34	56	151	72	6 241	6 931
Wholesale and retail trade	216	5	—	9	31	39	32	17	5	55	23	4 750	5 750
Managers and administrators, n.e.c., self-employed	127	6	5	17	24	10	21	16	10	5	13	4 071	—
Wholesale and retail trade	80	6	5	7	18	10	10	6	10	—	8	—	—
Sales workers	4 932	713	661	897	876	787	382	182	144	149	141	2 223	3 618
Demonstrators, hucksters, and peddlers	264	70	40	74	35	14	17	10	—	4	—	1 297	—
Insurance, real estate agents, and brokers	220	20	22	13	19	30	8	16	15	19	58	4 750	—
Sales clerks, retail trade	3 668	543	485	685	713	619	300	141	84	50	48	2 170	3 615
Salesmen, retail trade	189	10	33	32	23	33	11	9	10	22	6	2 848	—
Other sales workers	591	70	81	93	86	91	46	6	35	54	29	2 599	3 800
Clerical and kindred workers	18 114	1 038	1 288	1 940	1 665	2 026	2 560	2 389	1 866	2 885	457	4 430	5 737
Bank tellers	482	5	25	37	47	56	108	111	70	17	6	4 657	5 242
Bookkeepers	2 310	46	100	220	185	282	334	408	264	373	98	4 964	5 637
Cashiers	1 746	137	219	347	260	224	202	188	77	82	10	2 654	4 602
Counter clerks, except food	420	51	16	78	77	87	37	23	19	32	—	2 844	3 922
Enumerators and interviewers	36	6	—	6	—	5	7	8	—	—	4	—	—
File clerks	386	35	54	68	46	26	46	35	33	43	—	2 783	5 677
Office machine operators	751	37	23	50	66	38	133	57	75	260	12	5 500	7 040
Bookkeeping and billing machine operators	81	—	5	9	16	—	31	10	—	10	—	—	—
Keypunch operators	463	27	12	17	39	32	79	30	41	174	12	5 850	7 427
Payroll and timekeeping clerks	196	—	5	14	13	—	24	51	16	63	10	5 824	6 875
Receptionists	623	56	27	80	57	123	76	85	59	51	9	3 744	5 347
Secretaries	4 247	210	180	317	330	491	705	630	441	798	145	4 845	5 874
Stenographers	297	10	13	14	9	9	21	49	56	110	6	6 420	6 717
Telephone operators	553	29	21	68	71	74	77	113	72	28	—	4 175	5 418
Typists	1 566	85	170	179	140	103	163	181	242	271	32	4 650	6 194
Other clerical and kindred workers	4 501	331	435	462	364	508	627	450	442	757	125	4 240	5 919
Craftsmen and kindred workers	1 038	39	42	79	92	126	75	93	105	219	168	5 710	6 868
Foremen, n.e.c.	179	—	—	—	4	35	27	—	29	25	59	6 810	7 540
Operatives, except transport	10 488	314	291	648	667	936	1 190	1 332	1 797	3 177	136	5 899	6 757
Assemblers	3 597	44	86	127	211	274	346	541	726	1 216	26	6 233	6 970
Bottling and canning operatives	34	5	—	5	6	—	15	—	—	3	—	—	—
Checkers, examiners, and inspectors, manufacturing	882	21	—	35	27	64	41	80	187	388	39	6 925	7 604
Dressmakers and seamstresses, except factory	218	13	18	63	25	36	36	16	11	—	—	2 600	—
Laundry and drycleaning operatives, including ironers	482	58	34	62	60	98	104	20	29	12	5	3 276	4 281
Graders and sorters, manufacturing	40	—	—	10	—	4	9	11	—	6	—	—	—
Packers and wrappers, except produce	546	51	19	30	40	59	92	54	108	88	5	4 804	6 242
Sewers and stitchers	261	5	25	46	18	54	50	11	36	16	—	3 676	4 821
Textile operatives	7	—	—	—	7	—	—	—	—	—	—	—	—
Other specified operatives	2 245	53	66	176	152	186	257	290	346	664	55	5 802	6 733
Miscellaneous and not specified operatives	2 176	64	43	94	121	161	240	309	354	784	6	6 158	7 003
Manufacturing	1 983	35	33	76	93	141	199	282	347	771	6	6 382	7 168
Durable goods	1 642	35	23	36	66	92	111	216	303	754	6	6 799	7 506
Machinery, including electrical	170	4	4	5	—	20	4	22	44	67	—	6 591	—
Other durable goods	1 472	31	19	31	66	72	107	194	259	687	6	6 834	7 508
Nondurable goods, including not specified manufacturing	341	—	10	40	27	49	88	66	44	17	—	4 506	5 361
Food and kindred products	28	—	5	—	—	6	—	12	—	5	—	—	—
Apparel and other fabricated textile products	92	—	—	5	14	13	51	9	—	—	—	—	—
Nonmanufacturing industries	193	29	10	18	28	20	41	27	7	13	—	3 575	—
Transport equipment operatives	621	41	76	154	141	70	41	26	27	32	13	2 280	—
Laborers, except farm	592	59	28	38	62	47	74	80	84	108	12	4 838	6 333
Farmers and farm managers	40	—	12	5	5	—	—	4	5	4	—	—	—
Farm laborers and farm foremen	39	9	14	11	5	—	—	—	—	—	—	—	—
Paid farm laborers and farm foremen	34	9	14	11	—	—	—	—	—	—	—	—	—
Unpaid family workers	5	—	—	—	5	—	—	—	—	—	—	—	—
Service workers, except private household ¹	11 919	1 694	1 326	1 800	1 462	1 549	1 189	1 263	820	699	117	2 779	4 671
Cleaning service workers	1 538	169	127	222	186	210	202	247	87	68	20	3 310	4 398
Chambermaids and maids	186	21	19	27	31	29	23	23	10	3	—	2 839	—
Food service workers	4 275	837	607	845	721	582	264	201	115	87	16	1 821	3 602
Cooks, except private household	1 060	121	94	247	204	181	69	63	44	37	—	2 333	3 868
Waiters and food counter workers	2 454	616	393	464	409	310	106	80	39	21	16	1 470	3 294
Health service workers	3 516	230	276	376	326	482	455	578	442	335	16	4 149	5 519
Nursing aides, orderlies, and attendants	1 938	174	183	246	160	247	253	321	196	158	—	3 834	5 416
Practical nurses	940	13	19	87	99	103	101	120	227	155	16	5 400	6 282
Personal service workers	1 662	284	194	248	128	165	211	148	111	137	36	2 820	4 335
Hairdressers and cosmetologists	936	85	67	163	91	121	138	86	67	93	25	3 512	4 282
Private household workers	1 379	602	313	293	112	31	19	5	—	—	4	640	1 074
Private household workers, living in	130	20	48	42	15	5	—	—	—	—	—	969	—
Private household workers, living out	1 249	582	265	251	97	26	19	5	—	—	4	580	1 012

¹Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

**The State
Standard Metropolitan Statistical Areas
of 250,000 or More****FLINT SMSA—Continued****Negro**

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or less	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	7 652	658	614	807	804	1 023	978	779	710	1 064	215	3 922	5 074
Professional, technical, and kindred workers	675	15	8	74	40	14	58	57	47	250	112	7 294	8 203
Accountants	4	—	—	—	—	—	—	—	—	—	4	—	—
Computer specialists	12	—	—	4	—	—	5	3	—	—	—	—	—
Librarians	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	134	—	4	12	9	—	30	15	4	42	18	5 800	—
Dietitians	21	—	4	—	9	—	—	4	—	4	—	—	—
Registered nurses	108	—	—	12	—	—	30	11	4	33	18	6 250	—
Health technologists and technicians	48	—	—	10	4	—	—	—	3	26	5	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social and recreation workers	31	6	—	—	—	—	—	7	6	12	—	—	—
Teachers: College and university	4	—	—	—	—	—	—	—	4	—	—	—	—
Elementary and prekindergarten	295	—	—	39	12	6	19	23	20	113	63	7 757	—
Secondary	71	—	—	4	—	8	—	4	6	44	5	—	—
Other teachers	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineering and science technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	5	—	—	5	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Actors and dancers	—	—	—	—	—	—	—	—	—	—	—	—	—
Authors, editors, and reporters	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	71	9	4	—	15	—	4	5	4	13	17	—	—
Managers and administrators, except farm	77	—	—	—	18	5	17	4	11	5	17	—	—
Buyers, purchasing agents, and sales managers	30	—	—	—	6	—	7	4	6	—	7	—	—
Restaurant, cafeteria, and bar managers	9	—	—	—	4	—	—	—	—	—	5	—	—
School administrators	11	—	—	—	6	—	—	—	—	5	—	—	—
Other specified managers and administrators	15	—	—	—	—	—	5	—	5	—	5	—	—
Managers and administrators, n.e.c., salaried	7	—	—	—	2	—	5	—	—	—	—	—	—
Wholesale and retail trade	5	—	—	—	—	—	5	—	—	—	—	—	—
Managers and administrators, n.e.c., self-employed	5	—	—	—	—	5	—	—	—	—	—	—	—
Wholesale and retail trade	5	—	—	—	—	5	—	—	—	—	—	—	—
Sales workers	298	38	35	34	80	60	26	6	10	9	—	2 525	—
Demonstrators, hucksters, and peddlers	3	—	3	—	—	—	—	—	—	—	—	—	—
Insurance, real estate agents, and brokers	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales clerks, retail trade	235	34	22	28	54	55	26	6	10	—	—	2 620	—
Salesmen, retail trade	13	—	—	6	7	—	—	—	—	—	—	—	—
Other sales workers	47	4	10	—	19	5	—	—	—	9	—	—	—
Clerical and kindred workers	1 591	129	154	167	169	253	260	179	146	123	11	3 698	5 226
Bank tellers	44	5	—	—	7	6	13	13	—	—	—	—	—
Bookkeepers	52	—	6	7	4	6	6	5	12	—	6	—	—
Cashiers	185	13	19	45	22	42	28	5	6	5	—	2 705	—
Counter clerks, except food	5	—	—	—	5	—	—	—	—	—	—	—	—
Enumerators and interviewers	—	—	—	—	—	—	—	—	—	—	—	—	—
File clerks	22	—	5	9	—	3	5	—	—	—	—	—	—
Office machine operators	56	5	—	—	6	7	15	5	2	16	—	—	—
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Keypunch operators	41	—	—	—	6	7	11	5	—	12	—	—	—
Payroll and timekeeping clerks	8	—	—	4	—	—	—	—	—	4	—	—	—
Receptionists	45	—	—	—	8	13	11	6	2	5	—	—	—
Secretaries	160	19	17	—	8	30	32	26	14	9	5	4 188	—
Stenographers	29	—	—	—	—	—	—	21	3	5	—	—	—
Telephone operators	109	7	5	10	22	14	20	20	11	—	—	3 750	—
Typists	132	6	10	8	27	19	10	14	33	5	—	3 789	—
Other clerical and kindred workers	744	74	92	84	60	113	120	64	63	74	—	3 549	5 541
Craftsmen and kindred workers	169	4	10	11	8	35	19	13	14	37	18	4 868	—
Foremen, n.e.c.	25	—	—	—	—	5	7	—	—	—	13	—	—
Operatives, except transport	1 957	65	55	101	172	235	283	220	295	484	47	5 307	6 347
Assemblers	685	12	20	20	68	85	85	91	139	157	8	5 577	6 302
Battling and canning operatives	5	5	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	186	—	—	—	5	26	19	19	25	70	22	6 960	—
Dressmakers and seamstresses, except factory	26	5	—	6	4	—	5	6	—	—	—	—	—
Laundry and drycleaning operatives, including ironers	203	32	14	15	25	42	40	9	14	12	—	3 369	—
Graders and sorters, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	51	—	—	—	—	—	15	10	20	6	—	—	—
Sewers and stitchers	25	—	4	4	—	12	5	—	—	—	—	—	—
Textile operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified operatives	408	6	14	29	43	44	65	55	37	98	17	5 055	6 238
Miscellaneous and not specified operatives	368	5	3	27	27	26	49	30	60	141	—	6 283	6 984
Manufacturing	354	5	3	22	27	23	43	30	60	141	—	6 400	6 984
Durable goods	322	5	3	17	27	23	35	19	55	138	—	6 582	7 321
Machinery, including electrical	31	—	—	5	—	—	—	—	5	21	—	—	—
Other durable goods	291	5	3	12	27	23	35	19	50	117	—	6 430	6 981
Non-durable goods, including not specified manufacturing	32	—	—	5	—	—	8	11	5	3	—	—	—
Food and kindred products	7	—	—	—	—	—	—	7	—	—	—	—	—
Apparel and other fabricated textile products	14	—	—	—	—	—	—	—	—	—	—	—	—
Nonmanufacturing industries	—	—	—	5	—	3	6	—	—	—	—	—	—
Transport equipment operatives	39	5	—	—	—	6	7	12	9	—	—	—	—
Laborers, except farm	141	4	11	—	11	12	6	40	17	40	—	5 663	—
Farmers and farm managers	4	—	—	—	—	—	—	4	—	—	—	—	—
Farm laborers and farm foremen	5	—	5	—	—	—	—	—	—	—	—	—	—
Paid farm laborers and farm foremen	5	—	5	—	—	—	—	—	—	—	—	—	—
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household¹	2 272	290	253	279	240	396	287	244	161	116	6	3 187	4 228
Cleaning service workers	445	52	43	79	68	65	39	64	15	20	—	2 713	3 711
Chambermaids and maids	108	10	15	27	21	15	8	5	4	3	—	2 095	—
Food service workers	514	81	72	79	82	80	58	14	26	22	—	2 305	3 857
Cooks, except private household	175	16	15	22	25	40	20	10	5	22	—	3 238	—
Waiters and food counter workers	185	47	43	24	48	9	7	—	7	—	—	1 104	—
Health service workers	909	43	78	90	73	200	146	127	89	57	6	3 853	4 840
Nursing aides, orderlies, and attendants	674	40	61	75	66	138	111	88	66	29	—	3 688	4 786
Practical nurses	113	3	—	7	—	17	10	24	23	23	6	5 813	—
Personal service workers	134	36	12	17	—	9	22	18	7	13	—	3 222	—
Hairdressers and cosmetologists	42	14	6	7	—	—	—	10	—	5	—	—	—
Private household workers	424	108	83	141	66	7	15	—	—	—	4	1 149	1 331
Private household workers, living in	—	—	—	4	—	—	—	—	—	—	—	—	—
Private household workers, living out	420	108	83	137	66	7	15	—	—	—	4	1 139	1 320

¹Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

GRAND RAPIDS SMSA

Total

Experienced civilian labor force													
Professional, technical, and kindred workers													
Accountants	396	29	11	31	20	22	56	68	57	80	22	5 426	6 309
Computer specialists	37	—	—	9	6	—	8	—	4	10	—	—	—
Librarians	252	32	27	25	20	29	15	4	3	54	43	3 759	4 278
Mathematical specialists	21	—	—	5	—	4	—	5	—	7	—	—	—
Life and physical scientists	50	—	—	2	—	4	5	4	—	22	13	—	—
Registered nurses, dietitians, and therapists	2 259	105	132	187	297	256	227	261	188	546	60	4 672	6 315
Dietitians	67	6	15	13	4	—	5	11	—	13	—	—	—
Registered nurses	2 073	99	111	150	289	228	217	231	188	504	56	4 735	6 391
Health technologists and technicians	407	11	8	34	19	79	59	61	67	64	5	4 890	5 649
Social scientists	21	—	3	13	—	—	—	—	—	—	5	—	—
Social and recreation workers	360	16	8	—	34	23	24	18	25	158	54	7 608	8 436
Teachers:	288	—	23	49	15	25	22	9	8	64	73	6 125	—
College and university	3 533	143	130	267	309	206	145	184	410	1 228	511	6 933	7 630
Elementary and prekindergarten	1 234	29	82	105	136	85	55	81	82	375	204	6 537	7 727
Secondary	400	74	93	64	20	42	10	5	26	58	8	1 516	6 048
Other teachers	199	24	19	24	—	23	15	24	37	30	3	4 633	—
Engineering and science technicians	16	6	—	—	—	—	—	—	—	4	6	—	—
Technicians, except health, and engineering and science	483	84	96	79	40	35	30	21	34	54	10	1 778	5 900
Writers, artists, and entertainers	5	—	—	—	—	—	—	—	—	5	—	—	—
Actors and dancers	108	14	—	26	14	22	5	—	—	27	—	3 000	—
Authors, editors, and reporters	888	57	53	64	57	101	90	109	82	154	121	5 202	6 042
Other professional, technical, and kindred workers	1 952	39	48	178	217	186	221	211	214	329	309	5 412	6 301
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	395	5	4	40	46	38	66	48	76	51	21	4 977	5 820
Restaurant, cafeteria, and bar managers	160	—	9	30	44	30	18	4	15	6	4	2 932	—
School administrators	129	6	—	16	20	6	—	10	—	11	60	8 773	—
Other specified managers and administrators	347	9	—	14	37	22	31	29	34	111	60	6 926	7 617
Managers and administrators, n.e.c., salaried	713	4	14	48	37	63	91	98	89	133	136	6 017	6 762
Wholesale and retail trade	177	—	4	20	11	23	53	15	9	26	16	4 575	5 033
Managers and administrators, n.e.c., self-employed	208	15	21	30	33	27	15	22	—	17	28	3 185	3 648
Wholesale and retail trade	113	15	15	16	9	10	15	12	—	11	10	3 150	—
Sales workers													
Demonstrators, hucksters, and peddlers	6 488	974	902	1 609	1 036	866	476	201	166	139	119	1 850	3 274
Insurance, real estate agents, and brokers	358	105	103	55	24	19	32	5	10	5	—	859	1 750
Sales clerks, retail trade	331	18	14	29	63	14	44	31	39	48	31	4 625	6 300
Salesmen, retail trade	4 841	688	668	1 358	822	751	304	121	67	43	19	1 784	3 021
Other sales workers	149	9	25	31	10	8	34	5	12	8	7	2 950	—
	809	154	92	136	117	74	62	39	38	35	62	2 192	4 413
Clerical and kindred workers													
Bank tellers	25 062	1 565	1 924	3 390	2 884	3 300	4 356	3 443	2 023	1 786	191	3 839	4 878
Bookkeepers	614	5	43	94	118	78	125	98	36	11	6	3 603	4 343
Cashiers	2 818	93	137	318	317	341	474	516	300	279	43	4 428	5 125
Counter clerks, except food	2 096	268	344	459	322	343	185	100	36	34	5	1 950	3 454
Enumerators and interviewers	456	58	69	121	36	63	50	27	17	15	—	1 835	3 865
File clerks	102	26	12	12	10	11	—	21	—	5	5	2 100	—
Office machine operators	633	76	90	116	107	98	34	29	5	—	—	2 322	4 142
Bookkeeping and billing machine operators	955	65	24	108	115	94	181	221	96	46	5	4 395	5 162
Keypunch operators	148	22	—	16	30	14	26	13	16	6	5	3 429	—
Payroll and timekeeping clerks	575	17	13	55	72	44	129	150	59	36	—	4 671	5 225
Receptionists	325	—	5	34	6	45	84	46	56	38	9	4 839	5 522
Secretaries	895	52	101	123	90	173	166	126	28	36	—	3 471	4 393
Stenographers	7 220	241	412	651	727	900	1 066	1 354	747	741	41	4 483	5 272
Telephone operators	245	—	7	34	16	49	31	45	32	25	6	4 532	5 450
Typists	997	66	41	159	112	124	178	172	69	60	16	3 972	4 905
Other clerical and kindred workers	2 172	209	180	296	236	282	452	252	192	67	6	3 585	4 640
	5 534	406	459	865	670	719	926	631	385	424	49	3 510	4 771
Craftsman and kindred workers													
Foremen, n.e.c.	1 645	82	48	155	145	208	290	191	178	246	102	4 636	5 574
	243	—	4	—	10	20	43	27	25	96	18	6 700	6 960
Operatives, except transport													
Assemblers	14 538	646	841	1 295	1 318	2 250	2 655	2 166	1 682	1 555	130	4 346	5 319
Bottling and canning operatives	3 027	86	121	273	248	506	573	464	423	309	24	4 488	5 664
Checkers, examiners, and inspectors; manufacturing	39	—	5	6	—	14	10	4	—	—	—	—	—
Dressmakers and seamstresses, except factory	1 340	38	51	77	109	157	292	220	209	177	10	4 815	5 630
Laundry and drycleaning operatives, including ironers	228	17	21	32	42	28	34	42	—	—	12	3 071	—
Graders and sorters, manufacturing	671	79	107	101	58	192	75	34	20	5	—	2 836	3 481
Packers and wrappers, except produce	44	—	11	8	4	—	4	13	4	—	—	—	—
Sewers and stitchers	1 420	110	140	174	154	168	255	254	134	31	—	3 786	5 096
Textile operatives	1 397	25	38	92	94	223	174	176	271	296	8	5 298	6 011
Other specified operatives	149	9	—	15	16	31	—	53	25	—	—	5 066	—
Miscellaneous and not specified operatives	3 811	193	196	308	343	606	767	458	355	530	55	4 338	5 281
Manufacturing	2 412	89	151	224	251	340	440	448	241	207	21	4 343	5 309
Durable goods	2 113	61	121	197	174	304	400	414	219	202	21	4 499	5 390
Machinery, including electrical	1 191	33	51	78	127	149	189	222	149	172	21	4 833	5 716
Other durable goods	306	9	28	16	60	46	33	36	36	38	4	3 870	5 760
Nondurable goods, including not specified manufacturing	885	24	23	62	67	103	156	186	113	134	17	5 040	5 709
Food and kindred products	922	28	70	119	47	155	211	192	70	30	—	4 199	5 020
Apparel and other fabricated textile products	184	4	5	16	10	43	42	40	24	—	—	4 333	4 971
Nonmanufacturing industries	66	11	4	6	5	8	17	—	15	—	—	—	—
	299	28	30	27	77	36	40	34	22	5	—	2 838	4 529
Transport equipment operatives	590	62	97	142	104	65	32	19	30	33	6	1 958	4 526
Laborers, except farm	1 146	130	101	144	142	159	189	96	112	64	9	3 352	4 696
Farmers and farm managers	55	10	16	17	7	—	—	—	—	—	5	—	—
Farm laborers and farm foremen	248	114	56	23	26	8	5	12	—	—	4	589	—
Paid farm laborers and farm foremen	244	110	56	23	26	8	5	12	—	—	4	607	—
Unpaid family workers	4	4	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household ¹													
Cleaning service workers	13 457	2 182	2 213	2 934	1 857	1 663	1 149	732	323	284	120	1 795	3 460
Chambermaids and maids	1 705	297	231	435	257	261	122	38	22	10	32	1 746	2 750
Cooks, except private household	386	41	45	111	64	70	34	5	5	—	11	1 964	3 449
Waiters and food counter workers	5 748	1 133	1 260	1 395	823	548	310	149	72	38	20	1 345	2 963
Health service workers	1 109	164	132	288	246	144	74	25	20	16	—	1 898	3 153
Nursing aides, orderlies, and attendants	3 383	732	845	843	403	286	142	84	22	11	15	1 136	2 640
Practical nurses	3 378	353	407	631	496	550	417	313	118	82	11	2 601	3 891
Personal service workers	1 828	254	280	407	283	309	155	59	42	34	5	1 9	

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

LANSING SMSA

Total

Experienced civilian labor force														57 482	5 063	5 228	8 280	5 827	6 230	6 219	5 883	4 460	7 673	2 619	3 697	5 452
Professional, technical, and kindred workers														9 965	480	712	882	973	791	562	679	781	2 556	1 549	5 858	7 430
Accountants	404	6	16	21	25	17	41	50	70	131	27	6 371	7 080													
Computer specialists	138	—	5	21	—	—	5	18	26	48	10	6 577	—													
Librarians	398	46	41	40	27	20	27	24	24	68	81	4 926	8 125													
Mathematical specialists	19	—	—	5	6	—	—	—	—	4	—	—	—													
Life and physical scientists	121	—	20	4	11	4	—	21	3	25	22	5 500	—													
Registered nurses, dietitians, and therapists	1 493	33	54	102	152	202	141	132	167	396	114	5 473	7 000													
Dietitians	32	—	4	—	—	10	4	—	9	—	5	—	—													
Registered nurses	1 366	29	46	98	133	187	127	119	153	377	97	5 529	7 115													
Health technologists and technicians	405	5	41	19	28	48	49	20	75	111	9	5 625	6 884													
Social scientists	55	5	—	—	13	8	4	3	—	14	8	—	—													
Social and recreation workers	324	25	18	19	8	12	4	3	25	107	59	7 112	7 690													
Teachers: College and university	949	40	119	130	175	101	48	31	45	86	174	3 104	6 455													
Elementary and kindergarten	2 414	80	95	195	177	161	79	115	162	834	516	7 514	8 489													
Secondary	1 053	23	47	50	128	29	50	57	96	348	225	7 401	8 460													
Other teachers	197	52	25	30	30	17	7	15	—	9	12	1 717	—													
Engineering and science technicians	201	25	36	34	15	9	3	20	11	43	5	2 367	—													
Technicians, except health, and engineering and science	42	—	—	11	—	9	7	—	12	—	3	—	—													
Writers, artists, and entertainers	474	78	73	98	38	22	27	32	17	46	43	1 878	6 289													
Actors and dancers	5	5	—	—	—	—	—	—	—	—	—	—	—													
Authors, editors, and reporters	181	20	32	40	11	5	11	14	4	24	20	1 963	—													
Other professional, technical, and kindred workers	1 278	62	122	103	140	124	58	98	48	286	237	5 306	7 697													
Managers and administrators, except farm														1 617	92	78	137	84	104	148	173	170	365	266	5 957	6 864
Buyers, purchasing agents, and sales managers	185	5	5	22	13	30	26	21	17	39	7	4 673	5 682													
Restaurant, cafeteria, and bar managers	150	3	4	12	6	13	12	32	26	8	34	5 781	6 038													
School administrators	116	14	18	5	—	—	7	5	—	31	36	7 871	—													
Other specified managers and administrators	459	32	25	30	5	28	27	57	59	133	63	6 432	7 064													
Managers and administrators, n.e.c., salaried	594	22	26	35	55	24	69	54	68	139	102	6 176	7 246													
Wholesale and retail trade	183	5	11	13	27	9	16	5	22	35	40	6 250	6 659													
Managers and administrators, n.e.c., self-employed	113	16	—	33	5	9	7	4	—	15	24	3 278	—													
Wholesale and retail trade	75	16	—	16	5	5	—	4	—	15	14	—	—													
Sales workers														4 504	731	676	989	615	578	411	262	76	101	65	1 854	3 798
Demonstrators, hucksters, and peddlers	247	61	45	77	23	13	9	11	5	—	3	1 227	—													
Insurance, real estate agents, and brokers	264	30	11	35	31	9	49	49	—	34	16	4 327	5 500													
Sales clerks, retail trade	3 243	530	524	757	446	493	280	126	36	38	13	1 750	3 610													
Salesmen, retail trade	114	10	6	5	10	16	20	22	—	11	14	4 500	—													
Other sales workers	636	100	90	115	105	47	53	54	35	18	19	2 124	4 183													
Clerical and kindred workers														23 469	1 444	1 633	3 106	2 110	2 426	3 249	3 438	2 581	2 979	503	4 313	5 634
Bank tellers	425	12	20	96	24	69	113	76	4	11	—	3 877	4 747													
Bookkeepers	2 383	84	101	238	178	317	294	475	281	374	41	4 930	5 657													
Cashiers	1 563	195	197	446	169	195	158	85	99	15	4	1 873	4 097													
Counter clerks, except food	333	18	49	60	54	32	55	19	21	25	—	2 731	4 645													
Enumerators and interviewers	37	18	4	5	—	—	—	—	—	5	—	—	—													
File clerks	899	75	100	149	93	100	120	101	90	58	13	3 325	4 864													
Office machine operators	1 069	63	28	106	111	70	157	121	213	195	5	4 997	6 305													
Bookkeeping and billing machine operators	131	4	9	12	5	11	18	31	26	15	—	5 210	—													
Key punch operators	665	27	4	67	84	51	107	71	119	135	—	4 930	6 305													
Payroll and timekeeping clerks	225	5	4	9	9	9	36	25	77	36	15	6 201	6 331													
Receptionists	856	104	136	149	90	90	169	62	27	19	10	2 433	4 512													
Secretaries	6 617	212	301	610	566	643	956	1 161	831	1 147	190	5 018	5 936													
Stenographers	433	8	20	14	30	27	70	74	94	86	10	5 642	6 151													
Telephone operators	629	41	21	66	90	55	78	147	68	58	5	4 532	5 382													
Typists	2 559	153	200	274	195	241	371	492	313	295	25	4 584	5 635													
Other clerical and kindred workers	5 441	456	452	884	501	578	672	600	458	655	185	3 740	5 517													
Craftsman and kindred workers														853	75	22	105	104	101	103	82	65	137	59	4 189	5 907
Foremen, n.e.c.	151	—	—	22	5	9	17	5	32	40	21	6 547	7 300													
Operatives, except transport														4 687	187	233	451	372	625	625	551	458	1 094	91	4 761	5 668
Assemblers	1 014	18	39	54	92	75	114	100	102	415	5	6 147	7 402													
Bottling and canning operatives	10	—	—	—	—	5	—	—	—	5	—	—	—													
Checkers, examiners, and inspectors; manufacturing	654	10	—	31	44	68	121	95	78	176	31	5 558	6 261													
Dressmakers and seamstresses, except factory	152	—	—	53	33	28	20	6	4	8	—	2 697	—													
Laundry and drycleaning operatives, including ironers	423	17	48	47	38	168	71	24	4	6	—	3 366	3 688													
Graders and sorters, manufacturing	24	—	5	—	6	8	—	—	—	—	—	—	—													
Packers and wrappers, except produce	319	16	51	27	29	37	68	43	19	29	—	3 986	4 830													
Sewers and stitchers	107	9	6	21	—	19	24	4	16	8	—	3 921	—													
Textile operatives	11	—	—	11	—	—	—	—	—	—	—	—	—													
Other specified operatives	1 183	78	27	126	86	125	140	155	131	288	27	5 061	6 026													
Miscellaneous and not specified operatives	790	39	57	81	44	92	67	124	99	159	28	5 121	5 909													
Manufacturing														593	17	10	60	32	61	52	96	87	150	28	5 672	6 273
Durable goods	437	4	5	28	5	48	36	74	82	140	15	6 226	6 718													
Machinery, including electrical	80	—	—	11	—	14	18	10	7	20	—	—	—													
Other durable goods	357	4	5	17	5	34	18	64	75	120	15	6 420	7 020													
Nondurable goods, including not specified manufacturing	156	13	5	32	27	13	16	22	5	10	13	3 077	—													
Food and kindred products	18	—	—	7	—	—	—	—	5	6	—	—	—													
Apparel and other fabricated textile products	5	—	—	—	—	—	—	5	—	—	—	—	—													
Nonmanufacturing industries														197	22	47	21	12	31	15	28	12	9	—	2 708	—
Transport equipment operatives														473	46	27	76	126	74	47	5	23	38	11	2 694	—
Laborers, except farm														328	44	28	78	21	30	44	12	14	57	—	2 667	5 250
Farmers and farm managers														73	7	18	9	10	16	—	—	5	4	4	—	—
Farm laborers and farm foremen														84	20	9	21	13	6	4	5	—	—	—	6	—
Paid farm laborers and farm foremen	77	13	9	21	13	6	4	5	—	—	—	6	—													
Unpaid family workers	7	7	—	—	—	—	—	—	—	—	—	—	—													
Service workers, except private household ¹														10 244	1 386	1 557	2 130	1 356	1 447	1 012	662	287	342	65	2 036	3 993
Cleaning service workers	1 037	101	138	207	109	217	107	67	26	59	6	2 665	3 682													
Chambermaids and maids	235	27	40	53	30	48	16	15	—	—	—	1 953	—													
Food service workers	4 989	816	973	1 275	684	526	358	220	42	77	18	1 553	3 668													
Cooks, except private household	1 040	93	165	146	207	164	118	100	16	31	—	2 560	4 463													
Waiters and food counter workers	2 426	461	493	674	351	218	114	83	7	21	4	1 384	3 147													
Health service workers	1 960	118	137	304	295	456	283	196	118	45	—	3 276	4 269													
Nursing aides, orderlies, and attendants	983	94	82	187	179	269	131	27	14	—	—															

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

TOLEDO, OHIO—MICH., SMSA

Total

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or loss	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	95 136	7 905	7 859	13 258	11 086	13 325	12 051	9 743	7 386	9 557	2 946	3 560	4 790
Professional, technical, and kindred workers	14 606	655	813	1 417	1 250	1 339	986	1 301	1 517	3 972	1 356	5 648	6 584
Accountants	445	15	20	14	23	65	25	73	50	105	55	5 829	6 522
Computer specialists	74	—	—	—	4	8	7	4	16	30	5	—	—
Librarians	349	26	39	62	10	10	32	37	47	53	33	4 859	5 919
Mathematical specialists	9	—	—	—	—	5	—	—	—	—	—	—	—
Life and physical scientists	32	—	—	—	5	—	5	—	—	9	13	—	—
Registered nurses, dietitians, and therapists	3 268	94	120	297	294	398	280	392	360	929	104	5 385	6 717
Dietitians	156	10	5	22	12	32	23	25	4	23	—	3 906	—
Registered nurses	2 907	84	115	246	259	329	227	352	330	877	88	5 550	6 876
Health technologists and technicians	673	15	18	49	62	87	99	87	92	136	28	5 075	6 049
Social scientists	37	—	—	6	—	3	5	—	9	4	10	—	—
Social and recreation workers	452	15	32	39	41	30	60	24	58	110	43	5 375	7 000
Teachers: College and university	485	15	39	60	62	55	18	46	11	102	77	4 639	—
Elementary and kindergarten	4 239	173	206	320	369	320	182	270	491	1 446	462	6 569	6 780
Secondary	1 625	18	34	234	168	92	65	83	176	542	213	6 673	7 641
Other teachers	434	71	79	58	36	40	14	27	19	64	26	2 250	7 966
Engineering and science technicians	167	15	14	12	9	6	21	20	36	29	5	5 325	6 306
Technicians, except health, and engineering and science	55	—	—	—	—	—	14	12	5	24	—	—	—
Writers, artists, and entertainers	745	78	92	120	71	109	54	83	24	76	38	3 106	5 149
Actors and dancers	24	—	6	—	9	9	—	—	—	—	—	—	—
Authors, editors, and reporters	114	11	15	9	16	16	10	14	5	13	5	3 375	—
Other professional, technical, and kindred workers	1 517	120	116	146	96	111	105	143	123	313	244	5 451	6 524
Managers and administrators, except farm	3 182	86	88	243	241	284	376	440	398	518	508	5 620	6 073
Buyers, purchasing agents, and sales managers	601	5	11	8	33	31	123	64	106	135	85	6 241	6 387
Restaurant, cafeteria, and bar managers	449	40	19	54	80	53	37	54	40	35	37	3 594	5 122
School administrators	214	—	5	65	10	9	5	19	5	19	85	6 400	—
Other specified managers and administrators	590	14	30	38	32	49	57	93	52	127	98	5 806	6 311
Managers and administrators, n.e.c., salaried	1 094	4	15	57	71	113	145	172	195	181	141	5 825	6 150
Wholesale and retail trade	383	—	9	10	20	62	59	71	77	38	37	5 444	5 693
Managers and administrators, n.e.c., self-employed	234	23	8	21	15	29	9	46	—	21	62	5 261	5 652
Wholesale and retail trade	123	6	8	15	11	10	—	36	—	21	16	5 319	—
Sales workers	7 819	1 023	975	1 648	1 088	1 322	851	325	185	190	212	2 242	3 609
Demonstrators, hucksters, and peddlers	456	138	102	114	55	23	15	—	5	—	4	941	1 458
Insurance, real estate agents, and brokers	460	20	8	42	33	55	82	10	48	72	90	4 878	5 450
Sales clerks, retail trade	5 691	728	731	1 231	850	1 095	614	258	84	61	39	2 183	3 538
Salesmen, retail trade	181	9	9	41	28	39	18	6	6	19	6	3 090	—
Other sales workers	1 031	128	125	220	122	110	122	51	42	38	73	2 348	4 016
Clerical and kindred workers	32 817	1 985	2 186	4 061	3 292	4 477	5 642	4 907	3 090	2 800	377	4 072	5 005
Bank tellers	739	16	10	117	94	153	188	119	16	21	5	3 866	4 492
Bookkeepers	3 830	149	113	348	292	489	758	754	427	435	65	4 691	5 280
Cashiers	2 855	290	346	602	445	497	267	206	118	62	22	2 426	3 842
Counter clerks, except food	561	60	43	88	61	99	74	53	42	36	5	3 288	4 179
Enumerators and interviewers	103	37	13	27	—	9	—	—	6	—	—	1 056	—
File clerks	813	86	114	122	75	114	122	82	58	40	—	3 083	4 771
Office machine operators	1 332	46	63	154	116	203	270	230	142	93	15	4 311	5 074
Bookkeeping and billing machine operators	247	6	7	41	20	43	48	28	32	22	—	4 135	4 872
Key punch operators	698	26	29	57	49	114	136	141	100	42	4	4 544	5 240
Payroll and timekeeping clerks	446	8	17	48	34	27	50	99	56	107	—	5 394	6 000
Receptionists	1 042	99	105	195	119	137	170	138	53	18	8	3 022	4 382
Secretaries	9 006	368	388	807	756	1 031	1 666	1 652	1 127	1 091	120	4 692	5 393
Stenographers	335	19	6	18	25	25	50	64	66	57	5	5 383	6 023
Telephone operators	1 324	54	85	193	171	159	235	223	151	42	11	4 000	4 976
Typists	3 141	255	228	461	318	454	614	449	199	147	16	3 680	4 675
Other clerical and kindred workers	7 290	498	655	881	786	1 080	1 178	832	630	645	105	3 764	4 811
Craftsmen and kindred workers	1 579	76	120	145	151	197	185	130	130	217	228	4 543	6 319
Foremen, n.e.c.	291	4	12	5	16	31	29	38	36	96	24	6 292	6 944
Operatives, except transport	11 241	494	501	1 009	1 161	2 190	1 750	1 289	1 351	1 392	104	4 152	5 183
Assemblers	2 038	97	72	140	191	482	224	172	275	365	20	4 165	6 022
Bottling and canning operatives	55	5	—	12	—	20	9	5	4	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	1 339	12	43	39	97	208	237	177	262	238	26	5 189	6 327
Dressmakers and seamstresses, except factory	221	10	28	55	24	52	40	12	—	—	—	2 729	—
Laundry and drycleaning operatives, including ironers	895	118	98	86	210	229	78	45	10	21	—	2 693	3 387
Graders and sorters, manufacturing	59	13	5	24	—	12	—	5	—	—	—	—	—
Packers and wrappers, except produce	1 335	35	27	181	108	232	264	166	194	128	—	4 320	5 349
Sewers and stitchers	652	13	20	61	104	169	88	84	60	53	—	3 757	4 095
Textile operatives	21	—	—	—	10	—	—	5	—	6	—	—	—
Other specified operatives	2 377	122	94	238	203	392	349	337	292	301	49	4 400	5 447
Miscellaneous and not specified operatives	2 249	69	114	173	214	394	461	281	254	280	9	4 348	5 152
Manufacturing	1 996	58	76	140	181	362	402	268	239	261	9	4 450	5 262
Durable goods	1 017	31	25	35	78	162	187	134	139	217	9	4 949	5 802
Machinery, including electrical	371	—	9	6	15	71	63	53	59	95	—	5 406	6 391
Other durable goods	646	31	16	29	63	91	124	81	80	122	9	4 750	5 530
Nondurable goods, including not specified manufacturing	979	27	51	105	103	200	215	134	100	44	—	4 016	4 767
Food and kindred products	177	7	6	31	10	42	11	46	10	14	—	3 821	—
Apparel and other fabricated textile products	53	8	7	6	—	21	—	11	—	—	—	—	—
Nonmanufacturing industries	253	11	38	33	33	59	13	15	19	—	—	3 359	4 557
Transport equipment operatives	918	69	74	210	180	137	77	43	22	76	30	2 589	5 696
Laborers, except farm	991	87	51	166	185	197	121	66	38	70	10	3 033	4 073
Farmers and farm managers	79	12	13	14	14	10	—	4	—	7	5	—	—
Farm laborers and farm foremen	326	68	93	97	28	16	19	—	5	—	—	1 021	—
Paid farm laborers and farm foremen	326	68	93	97	28	16	19	—	5	—	—	1 021	—
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	19 240	2 635	2 497	3 570	3 160	3 060	2 005	1 230	650	309	124	2 291	3 654
Cleaning service workers	2 468	250	255	390	542	499	268	152	78	20	14	2 625	3 352
Chambermaids and maids	733	109	77	140	181	109	68	29	10	5	5	2 224	3 128
Food service workers	8 635	1 414	1 375	1 993	1 500	1 250	620	291	96	67	29	1 767	3 210
Cooks, except private household	1 958	156	133	381	399	456	234	142	41	16	—	2 774	3 645
Waiters and food counter workers	4 877	917	868	1 212	876	564	255	89	31	46	19	1 539	2 809
Health service workers	4 095	414	362	519	537	706	695	491	276	95	—	3 305	4 381
Nursing aides, orderlies, and attendants	1 991	291	178	343	267	398	328	107	39	40	—	2 687	3 891
Practical nurses	1 263	47	84	77	138	152	183	316	218	48	—	4 730	5 292
Personal service workers	2 501	353	293	468	330	348	259	185	100	107	58	2 414	3 960
Hairdressers and cosmetologists	1 518	122	111	274	202	256	209	140	56	102	46	3 195	4 212
Private household workers	2 338	715	448	678	336	96	39	8	—	6	12	1 009	1 648
Private household workers, living in	108	17	18	28	30	10	5	—	—	—	—	1 679	—
Private household workers, living out	2 230	698	430	650	306	86	34	8	—	6	12	985	1 609

*Includes protective service workers and allocated cases not shown separately.

Table 176. Occupation of the Female Experienced Civilian Labor Force by Earnings in 1969 and Race: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

TOLEDO, OHIO-MICH., SMSA—Continued

Negro

	Females with earnings in 1969											Median earnings (dollars)	
	Total, 16 years old and over	\$1 to \$499 or less	\$500 to \$999	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$9,999	\$10,000 or more	All earners	Earners worked 50 to 52 weeks
Experienced civilian labor force	8 890	1 084	797	1 324	1 362	1 534	977	549	517	564	182	2 910	3 849
Professional, technical, and kindred workers	1 067	48	59	61	88	139	107	111	66	277	111	5 284	5 608
Accountants	12	—	—	4	—	—	—	8	—	—	—	—	—
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Librarians	6	—	—	—	—	—	—	—	6	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	153	13	10	15	6	31	28	26	10	14	—	4 054	—
Dietitians	31	5	5	5	6	10	—	—	—	—	—	—	—
Registered nurses	112	8	5	10	—	21	24	26	4	14	—	4 500	—
Health technologists and technicians	56	—	—	11	—	5	15	22	—	—	3	—	—
Social scientists	10	—	—	6	—	—	—	—	—	4	—	—	—
Social and recreation workers	118	6	19	11	9	11	12	11	4	21	14	4 250	—
Teachers: College and university	13	—	—	—	7	—	—	6	—	—	—	—	—
Elementary and prekindergarten	369	7	18	5	38	54	11	19	24	150	43	7 170	—
Secondary	62	—	—	—	11	13	—	—	6	22	10	—	—
Other teachers	21	5	—	4	5	—	—	—	—	—	7	—	—
Engineering and science technicians	11	—	—	—	—	—	—	5	6	—	—	—	—
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	23	12	—	—	—	—	—	—	4	7	—	—	—
Actors and dancers	—	—	—	—	—	—	—	—	—	—	—	—	—
Authors, editors, and reporters	7	—	—	—	—	—	—	—	—	7	—	—	—
Other professional, technical, and kindred workers	213	5	12	5	12	25	41	14	6	59	34	5 464	5 313
Managers and administrators, except farm	160	16	6	19	20	35	16	5	11	15	17	3 543	—
Buyers, purchasing agents, and sales managers	19	—	6	—	—	—	7	—	6	—	—	—	—
Restaurant, cafeteria, and bar managers	32	16	—	—	—	11	—	5	—	—	—	—	—
School administrators	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified managers and administrators	67	—	—	7	5	14	9	—	—	15	17	—	—
Managers and administrators, n.e.c., salaried	26	—	—	6	15	—	—	—	5	—	—	—	—
Wholesale and retail trade	16	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, n.e.c., self-employed	10	—	—	6	—	10	—	—	—	—	—	—	—
Wholesale and retail trade	10	—	—	—	—	10	—	—	—	—	—	—	—
Sales workers	289	56	44	66	28	44	21	11	5	10	4	1 674	—
Demonstrators, hucksters, and peddlers	9	—	—	—	5	4	—	—	—	—	—	—	—
Insurance, real estate agents, and brokers	28	—	4	—	—	4	5	—	5	10	—	—	—
Sales clerks, retail trade	197	24	37	56	18	31	16	11	—	—	4	1 670	—
Salesmen, retail trade	—	—	—	—	—	—	—	—	—	—	—	—	—
Other sales workers	55	32	3	10	5	5	—	—	—	—	—	—	—
Clerical and kindred workers	1 917	165	160	233	223	368	238	195	209	115	11	3 482	4 660
Bank tellers	30	—	—	4	—	5	10	—	5	6	—	—	—
Bookkeepers	79	—	—	15	11	12	8	19	4	10	—	—	—
Cashiers	108	4	29	24	21	9	13	5	3	—	—	1 875	—
Counter clerks, except food	37	5	5	4	—	5	7	4	7	—	—	—	—
Enumerators and interviewers	—	—	—	—	—	—	—	—	—	—	—	—	—
File clerks	52	4	5	—	10	17	5	—	11	—	—	—	—
Office machine operators	131	—	5	19	13	38	30	11	10	5	—	3 750	—
Bookkeeping and billing machine operators	25	—	—	7	—	7	5	—	—	—	—	—	—
Keypunch operators	70	—	5	12	6	19	18	5	5	—	—	—	—
Payroll and timekeeping clerks	6	—	—	—	—	—	—	6	—	—	—	—	—
Receptionists	33	—	6	—	8	14	—	—	5	—	—	—	—
Secretaries	241	38	17	11	6	26	44	44	42	13	—	4 511	5 412
Stenographers	28	—	—	6	—	—	—	6	6	10	—	—	—
Telephone operators	138	8	7	10	36	42	—	13	22	—	—	3 190	—
Typists	197	28	19	29	15	23	46	23	14	—	—	3 326	—
Other clerical and kindred workers	837	78	67	111	103	177	75	64	80	71	11	3 336	4 518
Craftsmen and kindred workers	119	12	4	17	35	10	14	4	17	6	—	2 757	—
Foremen, n.e.c.	12	—	4	—	4	—	—	—	—	4	—	—	—
Operatives, except transport	1 254	135	68	116	200	269	178	78	107	103	—	3 401	4 230
Assemblers	176	16	4	13	25	42	13	12	21	30	—	3 714	—
Bottling and canning operatives	4	—	—	—	—	—	—	—	4	—	—	—	—
Checkers, examiners, and inspectors, manufacturing	125	5	14	4	34	26	19	—	13	10	—	3 212	—
Dressmakers and seamstresses, except factory	5	—	—	5	—	—	—	—	—	—	—	—	—
Laundry and drycleaning operatives, including ironers	255	44	20	9	47	73	35	21	—	6	—	3 103	3 581
Graders and sorters, manufacturing	16	6	5	5	—	—	—	—	—	—	—	—	—
Packers and wrappers, except produce	117	5	—	10	16	28	37	7	8	6	—	3 982	—
Sewers and stitchers	30	—	—	—	—	18	—	—	5	7	—	—	—
Textile operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified operatives	290	36	8	49	50	60	38	6	19	24	—	3 033	—
Miscellaneous and not specified operatives	236	23	17	21	28	22	36	32	37	20	—	4 194	—
Manufacturing	204	12	17	17	28	19	31	27	33	20	—	4 290	—
Durable goods	108	12	5	11	11	5	16	18	10	20	—	4 625	—
Machinery, including electrical	20	—	5	—	2	—	—	8	5	—	—	—	—
Other durable goods	88	12	—	11	9	5	16	10	5	20	—	—	—
Nondurable goods, including not specified manufacturing	96	—	12	6	17	14	15	9	23	—	—	—	—
Food and kindred products	26	—	—	6	5	6	—	9	—	—	—	—	—
Apparel and other fabricated textile products	7	—	7	—	—	—	—	—	—	—	—	—	—
Nonmanufacturing industries	32	11	—	4	—	3	5	5	4	—	—	—	—
Transport equipment operatives	80	12	11	18	8	11	—	5	5	5	5	—	—
Laborers, except farm	149	17	14	34	43	19	9	—	7	—	6	2 221	—
Farmers and farm managers	10	6	—	4	—	—	—	—	—	—	—	—	—
Farm laborers and farm foremen	36	10	13	5	—	—	8	—	—	—	—	—	—
Paid farm laborers and farm foremen	36	10	13	5	—	—	8	—	—	—	—	—	—
Unpaid family workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household¹	2 870	376	256	449	555	584	371	140	90	33	16	2 638	3 531
Cleaning service workers	482	32	31	79	125	121	47	22	16	5	4	2 792	3 357
Chambermaids and maids	218	14	20	48	53	40	20	18	5	—	—	2 509	3 227
Food service workers	794	155	115	116	133	144	99	14	6	6	6	2 083	3 345
Cooks, except private household	322	34	34	56	49	65	64	14	—	6	—	2 755	3 702
Waiters and food counter workers	235	88	41	23	24	30	17	—	6	—	6	860	—
Health service workers	886	81	54	95	134	180	180	87	53	22	—	3 439	4 063
Nursing aides, orderlies, and attendants	624	71	36	80	88	158	132	33	22	4	—	3 234	3 798
Practical nurses	204	5	13	15	26	8	39	49	31	18	—	4 897	5 077
Personal service workers	280	64	21	98	41	31	20	5	—	—	—	1 561	—
Hairdressers and cosmetologists	64	6	—	37	9	6	—	—	—	—	—	—	—
Private household workers	939	231	162	302	162	55	15	—	—	—	12	1 253	1 866
Private household workers, living in	7	—	3	—	4	—	—	—	—	—	—	—	—
Private household workers, living out	932	231	159	302	158	55	15	—	—	—	12	1 252	1 847

¹Includes protective service workers and allocated cases not shown separately.

Table 177. **Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970**

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	\$1 to \$1,999 or less	\$2,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$7,999	\$8,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more		
Male experienced civilian labor force	2 170 681	209 141	153 738	79 544	110 145	145 641	206 962	430 523	568 101	266 886	8 837	70.1
Agriculture, forestry, and fisheries	50 465	15 417	8 648	3 688	4 088	3 016	2 726	4 164	5 087	3 631	4 317	72.4
Professional and managerial workers, except farm	2 517	164	126	69	152	194	167	305	635	705	10 642	76.5
Clerical and sales workers	4 222	58	42	22	11	35	51	82	90	31	7 843	71.1
Laborers, except farm	3 616	1 243	546	284	279	244	255	376	276	113	4 067	37.3
Other blue-collar workers	2 074	316	162	149	215	139	203	374	405	111	7 276	58.9
Farmers and farm managers	29 356	7 186	5 446	2 240	2 595	1 858	1 614	2 564	3 318	2 535	4 913	87.1
Farm laborers and farm foremen	12 229	6 349	2 293	901	817	520	425	448	346	130	1 926	49.6
Service workers, except private household	251	101	33	23	19	26	11	15	17	6	3 485	46.2
Mining	13 651	597	659	560	787	1 411	2 318	4 012	2 704	603	8 246	73.3
Professional, technical, and kindred workers	1 058	33	32	26	28	21	95	226	415	182	10 819	86.2
Managers and administrators, except farm	522	28	11	18	5	—	18	66	188	188	13 059	89.1
Clerical and sales workers	686	27	47	21	17	43	133	191	175	32	8 576	85.7
Craftsmen and kindred workers	4 041	95	87	93	136	280	635	1 486	1 118	111	8 935	78.0
Operatives, except transport	5 138	299	333	293	391	699	1 031	1 440	588	64	7 537	67.2
Transport equipment operatives, and laborers, except farm	1 876	99	136	92	153	314	363	497	196	26	7 397	64.2
Service workers, except private household	330	16	13	17	57	54	43	106	24	—	7 186	71.8
Construction	166 001	10 938	10 575	6 843	9 495	11 249	15 098	27 577	47 820	26 406	9 364	55.4
Professional, technical, and kindred workers	5 459	156	144	134	154	213	306	827	1 893	1 632	12 101	82.5
Managers and administrators, except farm	15 330	570	501	320	493	517	670	1 564	4 326	6 369	13 502	76.5
Sales workers	1 412	71	71	33	43	79	87	225	394	409	11 231	78.4
Clerical and kindred workers	3 991	301	209	82	137	222	390	579	1 125	946	10 336	78.9
Craftsmen and kindred workers	102 188	5 659	5 964	3 993	5 466	6 527	9 094	17 206	33 107	15 172	9 673	52.8
Operatives, except transport	8 497	762	579	441	458	543	647	1 480	2 566	1 021	9 106	49.7
Transport equipment operatives	7 866	354	506	363	781	1 017	1 318	1 849	1 440	238	7 692	59.5
Laborers, except farm	19 924	2 826	2 481	1 378	1 859	1 969	2 368	3 620	2 835	588	6 720	39.6
Service workers, except private household	1 334	239	120	99	104	162	218	227	134	31	6 648	59.2
Manufacturing, total	987 228	47 333	47 018	30 068	45 448	67 708	106 740	235 566	296 568	110 779	9 268	74.3
Professional, technical, and kindred workers	104 089	2 229	2 565	1 547	1 817	2 568	3 953	12 246	44 514	32 650	12 822	82.5
Managers and administrators, except farm	44 446	741	623	347	556	757	1 321	4 224	14 031	21 846	14 866	97.4
Sales workers	20 734	3 015	640	400	443	630	725	2 985	6 312	5 383	11 052	80.9
Clerical and kindred workers	56 703	2 285	2 416	1 598	2 478	3 887	6 744	16 461	17 252	3 582	9 087	80.0
Craftsmen and kindred workers	262 222	8 026	6 971	4 161	7 248	11 320	19 117	54 352	114 928	36 099	10 866	79.6
Operatives, except transport	381 921	20 590	24 664	16 192	24 292	36 781	58 195	114 646	77 647	8 914	8 179	66.1
Transport equipment operatives	40 686	1 868	2 094	1 449	2 346	3 732	5 522	12 808	9 957	910	8 520	71.4
Laborers, except farm	45 637	5 303	4 694	2 774	3 767	4 870	6 771	11 132	5 770	556	7 208	60.5
Service workers, except private household	30 790	3 276	2 351	1 600	2 501	3 163	4 191	6 712	6 157	839	7 597	67.9
Manufacturing, durable goods	835 684	35 896	38 614	25 173	38 230	56 587	92 327	201 974	251 821	95 062	9 297	73.6
Professional, technical, and kindred workers	86 741	1 600	1 996	1 305	1 424	2 001	3 101	9 482	37 388	28 444	13 004	87.6
Managers and administrators, except farm	33 109	486	473	249	363	494	915	2 945	10 252	16 932	15 000 +	92.4
Sales workers	9 850	324	203	122	235	295	392	1 514	3 515	3 250	12 617	86.6
Clerical and kindred workers	47 851	1 674	1 795	1 300	2 078	3 170	5 729	13 831	15 140	3 134	9 183	80.2
Craftsmen and kindred workers	225 927	6 871	5 662	3 432	5 978	9 103	15 809	45 460	100 294	33 318	11 029	78.9
Operatives, except transport	338 650	17 394	21 433	14 272	21 364	32 342	52 813	103 128	67 682	8 222	8 188	65.4
Transport equipment operatives	30 631	1 180	1 450	1 006	1 711	2 812	4 277	10 235	7 452	508	8 563	70.5
Laborers, except farm	37 357	3 856	3 771	2 180	3 067	3 893	5 755	9 544	4 793	498	7 332	60.3
Service workers, except private household	25 568	2 511	1 831	1 307	2 010	2 477	3 536	5 835	5 305	756	7 749	67.9
Manufacturing, nondurable goods, including not specified	151 544	11 437	8 404	4 895	7 218	11 121	14 413	33 592	44 747	15 717	9 089	78.2
Professional, technical, and kindred workers	17 348	629	569	242	393	567	852	2 764	7 126	4 206	11 865	87.1
Managers and administrators, except farm	11 337	255	150	98	193	263	406	1 279	3 779	4 914	14 002	92.6
Sales workers	10 884	2 691	437	278	208	335	534	1 471	2 797	2 133	9 304	75.8
Clerical and kindred workers	8 852	611	621	298	400	717	1 015	2 630	2 112	448	8 581	79.2
Craftsmen and kindred workers	36 295	1 155	1 309	729	1 270	2 217	3 308	8 892	14 634	2 781	9 835	83.6
Operatives, except transport	43 271	3 196	3 231	1 920	2 928	4 439	5 382	11 518	9 965	692	8 094	72.2
Transport equipment operatives	10 055	688	644	443	635	920	1 245	2 573	2 505	402	8 352	73.9
Laborers, except farm	8 280	1 447	923	594	700	977	1 016	1 588	977	58	6 487	61.3
Service workers, except private household	5 222	765	520	293	491	686	655	877	852	83	6 790	67.5
Transportation, communications, and other public utilities	132 960	7 332	7 337	4 117	5 906	9 379	13 794	31 849	40 875	12 351	9 168	74.8
Professional, technical, and kindred workers	9 828	535	440	187	263	349	514	1 382	3 710	2 448	11 677	83.8
Managers and administrators, except farm	10 224	213	136	99	135	290	514	1 512	4 296	3 029	12 576	87.6
Sales workers	2 112	58	41	29	18	74	165	475	806	446	11 216	88.3
Clerical and kindred workers	14 266	759	727	451	775	1 129	1 941	4 356	3 550	578	8 620	79.6
Craftsmen and kindred workers	39 504	1 366	1 460	853	1 337	2 658	4 468	10 897	13 489	2 976	9 397	81.3
Operatives, except transport	4 906	312	394	200	305	491	747	1 404	938	115	8 006	62.7
Transport equipment operatives	37 329	2 096	2 467	1 464	1 898	2 496	3 395	8 618	12 357	2 538	9 125	66.0
Laborers, except farm	11 384	1 533	1 311	637	802	1 447	1 510	2 599	1 370	175	6 974	61.8
Service workers, except private household	3 407	480	361	197	373	445	540	606	359	46	6 657	62.7
Wholesale trade	94 762	6 870	5 819	3 230	4 858	6 121	9 119	18 714	24 657	15 374	9 214	78.3
Professional, technical, and kindred workers	5 009	189	131	58	175	85	254	686	1 855	1 576	12 497	86.8
Managers and administrators, except farm	14 683	369	272	189	324	454	757	1 902	4 300	6 116	13 575	91.1
Sales workers	23 500	1 002	897	517	872	1 162	2 029	4 216	7 257	5 548	10 727	84.7
Clerical and kindred workers	8 666	726	856	438	470	724	1 104	2 296	1 630	422	8 013	77.1
Craftsmen and kindred workers	11 574	632	514	360	644	817	1 310	2 645	3 725	927	9 142	79.4
Operatives, except transport	7 425	942	747	460	712	998	1 546	1 097	1 444	144	7 035	64.1
Transport equipment operatives	14 311	850	989	611	1 018	1 237	1 601	3 565	3 884	556	8 477	74.3
Laborers, except farm	7 834	1 818	1 198	483	569	877	1 553	653	53	53	5 735	53.5
Service workers, except private household	1 760	342	215	114	74	214	208	305	256	32	6 631	63.2
Retail trade	265 648	66 288	33 481	12 671	15 952	17 194	19 669	35 720	41 608	23 065	6 258	61.5
Professional, technical, and kindred workers	7 776	515	453	237	257	352	379	893	2 351	2 339	11 706	80.0
Managers and administrators, except farm	50 455	2 361	2 416	1 713	2 526	3 050	4 142	8 941	13 962	11 344	10 028	86.3
Sales workers	49 905	9 905	6 565	2 352	3 007	3 589	3 717	6 805	8 756	5 209	6 870	66.2
Clerical and kindred workers	12 308	3 224	2 275	768	886	937	811	1 688	1 329	390	4 853	58.6
Craftsmen and kindred workers	37 996	3 415	3 126	2 061	2 881	3 433	4 440	8 083	8 262	2 295	7 919	74.2
Operatives, except transport	31 970	11 578	5 733	1 632	1 986	1 958	2 276	3 714	2 554	539	3 537	45.8
Transport equipment operatives	12 977	2 558	1 508	790	1 162	1 187	1 254	2 221	2 012	285	6 396	60.9
Laborers, except farm	27 911	15 326	5 834	1 458	1 202	1 100	1 033	1 291	606	61	1 821	34.1
Service workers, except private household	34 350	17 406	5 571	1 660	2 045	1 588	1 617	2 084	1 776	603	1 973	38.3

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970—Continued

(Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text)

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	\$1 to \$1,999 or loss	\$2,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$7,999	\$8,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more		
Male experienced civilian labor force— Continued												
Finance, insurance, and real estate	61 118	4 488	4 052	2 310	3 021	3 583	4 594	9 712	15 854	13 504	9 753	79.6
Professional, technical, and kindred workers	3 985	117	150	92	122	164	328	798	1 515	699	10 731	85.5
Managers and administrators, except farm	14 980	480	472	319	378	618	926	2 191	5 027	4 569	12 095	89.4
Sales workers	25 130	1 222	1 279	836	1 153	1 374	1 772	3 570	6 535	7 389	11 040	79.9
Clerical and kindred workers	10 080	1 029	1 175	580	725	800	925	2 141	2 040	665	7 790	74.0
Craftsmen and kindred workers	1 675	138	216	99	69	116	138	368	420	111	8 334	69.0
Operatives, except transport	288	44	54	20	20	21	30	52	24	23	6 286	64.6
Transport equipment operatives	287	65	21	5	26	42	24	52	46	6	6 631	58.2
Laborers, except farm	1 423	404	211	84	122	94	199	211	92	6	5 102	53.9
Service workers, except private household	3 270	989	474	275	406	354	252	329	155	36	4 625	62.6
Business and repair services	59 769	8 623	6 257	3 091	4 010	4 184	4 890	8 602	11 973	8 139	7 761	66.5
Professional, technical, and kindred workers	7 310	552	503	232	209	331	304	861	2 286	2 032	11 450	74.7
Managers and administrators, except farm	6 690	209	183	135	233	319	410	813	1 868	2 520	12 792	86.1
Sales workers	2 859	203	158	67	91	138	151	409	699	943	11 520	79.0
Clerical and kindred workers	3 341	596	431	153	172	349	309	565	481	285	6 913	62.1
Craftsmen and kindred workers	21 749	2 363	2 120	1 145	1 725	1 789	2 200	3 968	4 754	1 685	7 788	70.3
Operatives, except transport	5 192	852	726	261	378	343	611	851	862	308	7 059	58.6
Transport equipment operatives	2 359	375	312	159	245	178	216	382	412	80	6 497	58.5
Laborers, except farm	3 356	1 782	570	221	170	141	108	135	138	91	1 883	28.0
Service workers, except private household	6 913	1 691	1 254	718	787	596	581	618	473	195	4 712	50.9
Personal services	31 741	7 009	4 050	1 974	2 481	2 603	2 559	3 719	4 551	2 795	6 137	61.8
Professional and managerial workers, except farm	6 847	597	532	280	387	419	457	1 029	1 576	1 570	9 461	79.0
Clerical and sales workers	1 958	649	380	104	151	122	104	181	157	110	3 737	52.0
Craftsmen and operatives, including transport	7 527	1 303	875	540	620	813	685	897	1 349	445	6 523	66.3
Laborers, except farm	1 966	1 108	255	106	183	102	80	69	34	29	1 774	37.9
Service workers, except private household	12 634	2 879	1 891	916	1 068	1 113	1 209	1 515	1 407	636	5 591	56.4
Private household workers	809	473	117	28	72	34	24	28	28	5	1 710	42.5
Entertainment and recreation services	13 694	4 005	1 936	776	741	815	805	1 552	1 813	1 251	5 175	47.8
Professional, technical, and kindred workers	2 647	710	359	80	105	147	126	274	416	430	6 473	42.7
Managers and administrators, except farm	2 300	178	127	101	94	105	154	354	633	554	10 292	75.2
Sales workers	266	71	37	16	21	16	5	30	32	38	5 429	50.6
Clerical and kindred workers	661	197	134	23	22	17	49	74	91	54	3 993	41.3
Craftsmen and kindred workers	1 490	344	158	101	79	170	100	263	214	61	6 371	52.0
Operatives, except transport	272	66	35	22	29	3	28	44	45	—	5 448	48.9
Transport equipment operatives	164	21	11	7	17	14	28	41	25	—	7 429	53.7
Laborers, except farm	1 430	421	279	101	140	95	97	170	88	39	4 149	37.6
Service workers, except private household	4 464	1 997	796	325	234	248	218	302	269	75	2 590	39.2
Professional and related services	209 165	25 673	19 938	8 520	10 720	13 234	15 927	27 362	46 293	41 498	8 773	60.5
Professional, technical, and kindred workers	125 111	8 620	10 045	4 560	4 592	5 677	8 344	17 158	33 801	32 314	10 527	59.0
Managers and administrators, except farm	16 814	440	420	179	247	364	612	1 434	5 881	7 237	14 005	74.1
Sales workers	946	214	46	27	31	42	9	128	233	216	9 625	63.6
Clerical and kindred workers	9 827	3 272	1 878	499	528	626	590	933	1 088	413	3 748	49.6
Craftsmen and kindred workers	10 013	802	528	246	447	819	1 212	2 355	2 728	876	8 809	77.5
Operatives, except transport	3 402	592	383	224	218	318	400	678	491	98	6 893	61.4
Transport equipment operatives	1 515	235	268	133	112	185	186	250	105	41	6 051	59.5
Laborers, except farm	2 403	708	414	89	167	345	218	336	120	6	4 893	52.9
Service workers, except private household	39 134	10 790	5 956	2 563	4 378	4 858	4 356	4 090	1 846	297	5 059	58.2
Public administration	84 479	4 548	3 968	1 696	2 638	5 144	8 723	21 974	28 298	7 490	9 413	85.4
Professional, technical, and kindred workers	12 399	473	546	194	286	444	506	1 898	5 220	2 832	11 774	86.0
Managers and administrators, except farm	11 681	363	325	219	167	436	690	2 406	4 907	2 168	11 258	90.2
Sales workers	147	5	14	10	17	11	8	15	57	10	9 133	76.9
Clerical and kindred workers	20 944	1 165	968	375	647	1 439	3 185	8 099	4 226	840	8 665	84.0
Craftsmen and kindred workers	6 845	576	880	239	210	390	760	1 598	1 941	251	8 460	83.9
Operatives, except transport	1 002	59	62	22	33	85	147	296	257	41	8 628	81.4
Transport equipment operatives	1 553	55	81	50	121	165	277	535	248	21	8 103	84.9
Laborers, except farm	2 828	390	257	151	226	395	595	607	174	33	6 987	66.4
Service workers, except private household	27 080	1 462	835	436	931	1 779	2 555	6 520	11 268	1 294	9 700	86.7
Female experienced civilian labor force	1 144 058	329 635	267 229	141 679	123 475	97 387	76 154	74 388	45 477	8 634	3 889	47.7
Agriculture, forestry, and fisheries	6 491	3 454	1 344	579	337	257	173	178	105	64	1 879	43.4
Professional and managerial workers, except farm	276	63	54	62	23	11	4	15	22	22	4 339	45.7
Clerical and sales workers	1 284	483	315	159	121	104	34	43	25	—	3 010	52.9
Laborers, except farm	590	284	114	66	57	22	31	10	6	—	2 193	46.3
Other blue-collar workers	306	120	123	24	4	—	19	16	—	—	2 537	38.2
Farmers and farm managers	1 321	629	274	102	64	70	58	60	30	34	2 230	77.4
Farm laborers and farm foremen	2 557	1 771	444	145	62	50	27	28	22	8	1 444	21.5
Service workers, except private household	157	104	20	21	6	—	—	6	—	—	1 510	31.8
Mining	951	149	145	116	135	160	106	85	35	20	5 485	67.0
Professional, technical, and kindred workers	15	—	—	6	—	5	—	—	4	—	—	—
Managers and administrators, except farm	12	—	—	—	—	—	—	5	7	—	—	—
Clerical and sales workers	703	118	110	82	106	137	71	56	10	13	5 392	69.0
Craftsmen and kindred workers	42	—	6	4	4	—	13	6	4	5	—	—
Operatives, except transport	139	20	19	16	25	18	22	12	5	2	5 580	58.3
Transport equipment operatives, and laborers, except farm	14	—	—	8	—	—	—	6	—	—	—	—
Service workers, except private household	26	11	10	—	—	—	—	—	5	—	—	—
Construction	9 920	1 860	1 762	1 125	1 290	1 140	785	865	721	372	5 145	61.7
Professional, technical, and kindred workers	274	16	5	22	5	44	23	62	86	11	8 710	86.1
Managers and administrators, except farm	471	40	28	37	32	62	38	31	105	98	7 961	76.0
Sales workers	178	74	44	—	9	5	5	11	6	24	2 682	50.6
Clerical and kindred workers	6 900	1 204	1 418	885	1 069	872	596	499	274	83	4 936	64.8
Craftsmen and kindred workers	1 232	208	96	76	112	102	87	190	205	156	7 253	51.9
Operatives, except transport	207	48	26	31	15	28	28	23	8	—	4 952	45.9
Transport equipment operatives	102	13	—	20	—	11	4	39	15	—	8 154	42.2
Laborers, except farm	260	104	67	31	12	10	4	10	22	—	2 776	21.5
Service workers, except private household	296	153	78	23	36	6	—	—	—	—	1 935	43.9

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	\$1 to \$1,999 or less	\$2,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$7,999	\$8,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more		
Female experienced civilian labor force—Continued												
Manufacturing, total	240 142	33 871	47 352	35 116	34 558	30 516	27 535	22 485	7 234	1 475	5 108	55.7
Professional, technical, and kindred workers	8 417	935	988	740	809	818	781	1 474	1 603	269	6 900	67.5
Managers and administrators, except farm	2 340	172	233	170	240	269	197	333	381	345	7 437	80.0
Sales workers	1 904	693	422	145	135	127	131	120	111	20	3 227	52.5
Clerical and kindred workers	72 356	8 179	10 413	9 302	11 406	11 014	9 863	9 451	2 425	303	5 726	69.4
Craftsmen and kindred workers	10 394	1 342	1 994	1 471	1 304	1 049	940	1 001	1 058	235	5 299	60.2
Operatives, except transport	134 165	20 279	30 796	21 732	19 473	16 214	14 640	9 388	1 396	247	4 737	47.2
Transport equipment operatives	749	94	53	101	71	80	60	171	110	9	6 694	59.8
Laborers, except farm	5 096	1 162	1 213	875	639	492	415	233	62	5	4 198	44.4
Service workers, except private household	4 721	1 015	1 240	580	481	453	508	314	88	42	4 182	56.6
Manufacturing, durable goods	167 417	19 475	29 725	22 869	23 282	23 398	22 967	19 037	5 578	1 086	5 500	56.8
Professional, technical, and kindred workers	4 599	294	384	360	430	464	439	946	1 090	192	7 837	72.3
Managers and administrators, except farm	1 512	98	132	104	143	162	138	228	289	218	7 848	82.1
Sales workers	431	96	69	38	35	28	61	54	38	12	5 357	63.8
Clerical and kindred workers	51 906	4 705	6 504	6 106	7 512	8 451	8 247	8 118	2 042	221	6 133	71.5
Craftsmen and kindred workers	6 321	618	1 140	846	690	670	634	724	806	193	5 807	60.7
Operatives, except transport	94 906	12 142	19 703	14 373	13 601	12 816	12 596	8 340	1 123	212	5 091	47.7
Transport equipment operatives	506	28	39	67	48	47	55	153	69	—	7 436	63.2
Laborers, except farm	3 608	792	827	555	446	372	359	205	47	5	4 333	43.1
Service workers, except private household	3 628	702	927	420	377	388	438	269	74	33	4 440	57.1
Manufacturing, nondurable goods, including not specified	72 725	14 396	17 627	12 247	11 276	7 118	4 568	3 448	1 656	389	4 354	53.2
Professional, technical, and kindred workers	3 818	641	604	380	379	354	342	528	513	77	5 749	61.6
Managers and administrators, except farm	828	74	101	66	97	107	59	105	92	127	6 710	76.3
Sales workers	1 473	597	353	107	100	99	70	66	73	8	2 790	49.2
Clerical and kindred workers	20 450	3 474	3 909	3 196	3 894	2 563	1 616	1 333	383	82	4 889	64.1
Craftsmen and kindred workers	4 073	724	854	625	614	379	306	277	252	42	4 734	59.4
Operatives, except transport	39 259	8 137	11 093	7 359	5 872	3 398	2 044	1 048	273	35	4 054	45.9
Transport equipment operatives	243	66	14	34	23	33	5	18	41	9	5 326	52.7
Laborers, except farm	1 488	370	386	320	193	120	56	28	15	—	3 938	47.5
Service workers, except private household	1 093	313	313	160	104	65	70	45	14	9	3 492	54.9
Transportation, communications, and other public utilities	41 063	6 999	8 011	5 348	6 928	6 435	3 219	2 674	1 199	250	5 025	58.7
Professional, technical, and kindred workers	1 469	142	147	83	168	177	191	308	212	41	7 092	74.6
Managers and administrators, except farm	1 228	94	112	142	183	168	125	177	156	71	6 494	76.7
Sales workers	428	65	57	41	65	94	37	49	20	—	5 785	63.8
Clerical and kindred workers	29 291	3 939	4 846	4 197	5 926	5 423	2 524	1 822	548	66	5 281	65.7
Craftsmen and kindred workers	1 042	81	124	100	128	160	142	136	144	27	6 550	77.2
Operatives, except transport	489	180	153	45	34	46	19	7	5	—	2 843	29.7
Transport equipment operatives	5 787	2 224	2 246	523	287	182	95	111	91	28	2 596	14.3
Laborers, except farm	307	76	54	47	24	47	19	23	17	—	4 500	57.3
Service workers, except private household	1 022	198	272	170	113	138	67	48	4	12	4 241	59.6
Wholesale trade	26 597	5 441	5 671	3 948	4 130	3 018	1 848	1 582	673	286	4 554	58.6
Professional, technical, and kindred workers	609	58	72	36	104	82	74	87	62	34	6 421	72.4
Managers and administrators, except farm	1 008	100	152	70	99	145	95	127	112	108	6 572	74.5
Sales workers	1 517	501	298	163	186	95	39	73	96	66	3 728	52.6
Clerical and kindred workers	17 701	3 046	3 591	2 929	3 074	2 292	1 345	1 089	271	64	4 756	62.8
Craftsmen and kindred workers	552	93	120	67	115	33	25	56	38	5	4 940	54.7
Operatives, except transport	3 617	1 076	1 017	529	415	274	160	85	55	6	3 441	41.4
Transport equipment operatives	195	45	55	10	22	15	14	7	27	—	3 909	52.3
Laborers, except farm	868	296	212	82	89	54	65	58	12	—	3 302	37.9
Service workers, except private household	530	226	154	62	26	28	31	—	—	3	2 506	50.2
Retail trade	249 479	104 393	73 874	28 763	18 091	9 991	5 631	4 511	2 808	1 417	2 551	44.2
Professional, technical, and kindred workers	3 093	664	555	342	319	293	252	292	286	90	4 958	61.0
Managers and administrators, except farm	12 996	2 033	2 596	1 858	1 682	1 321	1 047	1 103	841	515	5 007	71.6
Sales workers	79 485	37 331	25 346	8 333	3 921	1 709	984	978	583	300	2 190	41.3
Clerical and kindred workers	68 008	21 927	19 723	10 541	7 368	4 229	2 126	1 324	531	239	3 225	50.3
Craftsmen and kindred workers	4 305	1 122	1 125	583	607	330	232	154	118	34	3 832	54.7
Operatives, except transport	7 838	2 142	2 336	1 206	1 072	563	247	159	83	30	3 521	48.0
Transport equipment operatives	576	165	214	60	31	43	17	41	5	—	3 150	52.4
Laborers, except farm	3 259	1 385	968	400	227	132	65	64	12	6	2 505	45.5
Service workers, except private household	69 919	37 624	21 011	5 440	2 864	1 371	661	396	349	203	1 858	34.5
Finance, insurance, and real estate	68 255	13 452	16 118	12 932	11 013	6 811	3 565	2 469	1 219	476	4 352	61.5
Professional, technical, and kindred workers	1 359	89	157	187	253	194	122	257	88	12	5 974	74.8
Managers and administrators, except farm	3 986	599	591	369	494	599	497	433	309	95	5 879	79.8
Sales workers	5 766	1 135	1 088	737	702	492	331	533	463	285	4 896	55.6
Clerical and kindred workers	54 213	10 653	13 137	11 314	9 410	5 363	2 537	1 379	340	80	4 293	60.7
Craftsmen and kindred workers	244	—	29	43	23	67	26	46	10	—	6 403	84.8
Operatives, except transport	207	39	64	39	30	25	10	—	—	—	4 013	48.3
Transport equipment operatives	10	5	5	—	—	—	—	—	—	—	—	—
Laborers, except farm	89	39	41	4	—	5	—	—	—	—	—	—
Service workers, except private household	2 381	893	1 006	239	101	66	42	21	9	4	2 591	56.3
Business and repair services	25 325	8 061	6 361	3 041	2 789	1 963	1 319	967	614	210	3 447	46.9
Professional, technical, and kindred workers	2 400	759	420	222	202	180	171	216	181	49	4 095	40.0
Managers and administrators, except farm	804	105	112	68	129	100	40	96	93	61	5 907	71.4
Sales workers	740	375	121	86	39	28	24	23	20	24	1 973	44.3
Clerical and kindred workers	15 670	4 640	3 858	2 036	2 028	1 385	913	500	245	65	3 656	48.4
Craftsmen and kindred workers	697	207	143	57	53	79	61	40	46	11	3 979	53.1
Operatives, except transport	1 528	415	415	272	193	96	63	53	21	—	3 682	40.0
Transport equipment operatives	177	76	43	6	30	16	—	6	—	—	2 581	29.9
Laborers, except farm	321	172	92	16	22	4	7	8	—	—	1 866	31.5
Service workers, except private household	2 988	1 312	1 157	278	93	75	40	25	8	—	2 315	43.2
Personal services	82 176	43 327	21 698	6 655	4 445	2 305	1 354	1 307	778	307	1 897	41.3
Professional and managerial workers, except farm	3 201	990	739	331	355	163	171	208	146	98	3 652	55.9
Clerical and sales workers	10 448	4 512	2 973	1 147	892	465	200	168	80	11	2 479	45.7
Craftsmen and operatives, including transport	10 677	3 277	4 184	1 632	746	354	165	167	132	20	2 985	48.3
Laborers, except farm	659	323	235	44	26	5	8	12	6	—	2 055	41.4
Service workers, except private household	27 956	11 281	8 535	2 799	2 168	1 202	740	697	372	162	2 632	44.0
Private household workers	29 235	22 944	5 032	702	258	116	70	55	42	16	1 274	33.1

Table 177. Selected Occupation by Major Industry of the Experienced Civilian Labor Force by Earnings in 1969 and Sex: 1970—Continued

[Data based on sample, see text. For minimum base for derived figures (percent, median, etc.) and meaning of symbols, see text]

The State

The State	Persons with earnings										Median earnings (dollars)	Percent worked 50 to 52 weeks
	Total, 16 years old and over	\$1 to \$1,999 or less	\$2,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$7,999	\$8,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more		
Female experienced civilian labor force—Continued												
Entertainment and recreation services	8 947	4 332	2 158	716	576	434	207	260	178	86	2 131	31.1
Professional, technical, and kindred workers	1 559	778	371	65	57	61	31	90	88	18	2 008	21.5
Managers and administrators, except farm	357	60	72	31	19	24	34	46	41	30	5 816	59.1
Sales workers	526	424	77	6	—	5	7	7	—	—	1 241	11.4
Clerical and kindred workers	2 285	987	449	233	204	219	85	63	16	29	2 693	43.2
Craftsmen and kindred workers	33	24	4	5	—	—	—	—	—	—	...	...
Operatives, except transport	70	11	33	4	6	6	—	10	—	—	...	...
Transport equipment operatives	15	5	—	4	6	—	—	—	—	—	...	...
Laborers, except farm	64	32	19	9	—	4	—	—	—	—	...	...
Service workers, except private household	4 038	2 011	1 133	359	284	115	50	44	33	9	2 014	28.0
Professional and related services	362 426	96 949	76 979	39 115	33 463	27 456	24 782	32 099	28 123	3 460	4 186	39.8
Professional, technical, and kindred workers	149 901	25 865	23 091	9 150	9 523	11 622	16 326	26 663	25 314	2 347	6 630	31.4
Managers and administrators, except farm	6 725	1 120	948	489	523	572	429	763	1 168	713	6 494	53.1
Sales workers	889	455	213	48	37	42	19	17	21	37	1 954	40.2
Clerical and kindred workers	95 549	29 126	20 402	14 066	13 762	9 241	4 711	3 064	1 010	167	3 828	48.0
Craftsmen and kindred workers	1 639	299	584	184	158	99	83	122	85	25	3 783	44.7
Operatives, except transport	3 810	1 054	1 269	733	375	227	71	58	20	3	3 341	56.5
Transport equipment operatives	625	269	231	76	28	6	5	10	—	—	2 377	15.4
Laborers, except farm	658	307	131	125	34	26	13	17	5	—	2 336	41.8
Service workers, except private household	102 630	38 454	30 110	14 244	9 023	5 621	3 125	1 385	500	168	2 854	43.0
Public administration	42 286	7 347	5 756	4 225	5 720	6 901	5 630	4 706	1 790	211	5 667	65.4
Professional, technical, and kindred workers	4 073	455	320	225	361	469	589	968	629	57	7 351	70.4
Managers and administrators, except farm	2 396	396	285	142	225	186	323	467	311	61	6 806	77.9
Sales workers	204	79	51	33	18	9	4	4	6	—	2 902	54.9
Clerical and kindred workers	31 640	5 027	4 511	3 531	4 701	5 719	4 415	2 983	675	78	5 585	65.3
Craftsmen and kindred workers	125	29	24	—	6	20	14	32	—	—	6 175	66.4
Operatives, except transport	135	49	27	5	10	27	10	7	—	—	3 370	48.1
Transport equipment operatives	62	26	—	16	10	—	5	5	—	—	...	...
Laborers, except farm	405	66	82	21	32	95	55	50	4	—	6 016	65.2
Service workers, except private household	3 246	1 220	456	252	357	376	215	190	165	15	3 768	52.2

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text.]

Persons 25 years old and over	Occupation of workers in 1965												Armed Forces in 1965	Did not work in 1965 and not reported work in 1965
	Total working ¹	Professional, technical, and kindred workers												
		Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Form laborers and farm foremen	Service workers, except private household workers	Private household workers			
TOTAL														
Total														
Male														
Employed in 1970	2 203 068	1 750 450	211 900	158 972	96 811	100 918	402 007	436 085	83 437	36 439	9 626	104 856	620	384 473
Professional, technical, and kindred workers	1 714 923	1 534 886	199 820	144 510	89 331	91 534	350 484	375 688	67 330	28 963	7 722	88 374	399	124 949
Managers and administrators, except farm	254 752	217 219	171 919	6 567	3 799	7 159	7 941	5 793	1 660	349	242	1 981	26	7 839
Sales workers	178 736	169 245	111 797	109 300	11 378	6 460	10 360	4 153	2 048	386	170	2 452	30	3 654
Clerical and kindred workers	107 839	94 069	3 451	9 502	63 294	2 614	3 965	4 153	1 003	395	96	1 104	30	5 433
Craftsmen and kindred workers	107 839	95 809	3 883	4 972	2 484	61 463	4 754	7 614	2 495	324	131	1 908	24	6 746
Operatives, including transport	423 128	386 816	5 220	5 825	2 906	4 838	290 585	38 837	8 039	1 193	521	6 021	24	13 525
Laborers, except farm	429 553	382 808	2 043	4 846	3 512	5 620	23 575	291 821	13 524	2 148	1 506	7 325	20	22 787
Unemployed	71 452	60 665	358	985	583	1 488	3 526	10 091	35 484	612	609	1 957	23	8 504
Farmers and farm managers	28 769	25 985	83	95	112	84	289	639	158	22 103	974	86	276	2 508
Farm laborers and farm foremen	6 111	5 339	38	26	39	—	316	405	145	3 012	104	104	41	178
Service workers, except private household	111 243	96 552	1 028	2 392	1 214	1 808	5 173	9 520	2 712	672	461	65 415	41	10 425
Private household workers	586	379	—	—	—	—	—	20	62	—	—	21	235	10 625
Unemployed	67 809	54 793	2 352	2 143	1 321	1 589	14 366	19 102	6 290	597	409	2 433	104	10 032
Armed Forces	8 513	8 443	92	43	119	7 753	137	137	9 743	6 879	1 495	13 994	117	248 578
Not in labor force	411 823	159 930	9 512	12 226	6 140	7 753	37 020	11 551	9 743	6 879	1 495	13 994	117	248 578
Female														
Employed in 1970	2 389 950	836 904	132 681	20 232	40 553	250 351	14 841	120 011	8 102	3 028	2 551	140 299	23 153	1 551 223
Professional, technical, and kindred workers	861 750	585 303	96 963	22 308	41 897	176 274	11 410	82 369	5 367	2 058	1 203	96 057	14 784	1 250
Managers and administrators, except farm	141 361	102 299	86 381	1 189	1 058	5 989	300	402	—	57	63	2 251	135	183
Sales workers	32 311	25 756	1 434	15 013	1 672	3 562	425	406	247	132	19	1 344	54	69
Clerical and kindred workers	68 915	41 078	1 666	3 236	29 519	3 464	340	1 555	189	—	17	1 874	106	65
Craftsmen and kindred workers	272 496	191 483	4 286	3 236	5 617	155 811	768	3 680	637	—	124	6 444	412	267
Operatives, including transport	17 193	13 073	321	259	351	867	8 199	1 329	134	41	22	619	57	122
Laborers, except farm	132 119	90 065	460	520	1 497	2 741	1 002	70 806	788	64	185	5 142	528	371
Unemployed	9 093	5 390	29	92	328	506	35	707	2 849	22	23	268	59	44
Farmers and farm managers	1 894	1 431	—	—	—	—	—	—	—	1 212	134	19	12	23
Farm laborers and farm foremen	2 617	1 283	42	—	21	43	—	44	—	477	457	41	—	1 324
Service workers, except private household	158 103	98 376	3 040	780	1 579	2 978	326	3 630	398	35	159	76 887	1 717	59 621
Private household workers	25 648	15 129	210	53	255	313	15	210	125	18	—	1 648	11 684	10 519
Unemployed	50 424	22 217	1 668	531	1 365	4 688	366	6 366	305	19	—	4 648	712	28 136
Armed Forces	275	86	—	—	—	—	—	—	—	—	—	—	—	115
Not in labor force	1 477 501	229 298	34 034	7 393	17 291	69 342	3 065	31 276	2 430	951	1 236	39 594	7 657	1 247 785
Negro														
Employed in 1970	215 713	152 948	6 789	2 926	2 114	7 621	20 641	61 126	16 924	325	944	17 343	287	55 454
Professional, technical, and kindred workers	156 461	128 604	6 231	2 736	1 829	6 919	17 619	52 081	13 160	265	748	14 322	155	22 385
Managers and administrators, except farm	8 872	4 971	4 981	1 130	35	331	132	308	130	—	—	238	—	1
Sales workers	2 505	1 474	243	1 801	1 144	182	228	260	50	—	—	71	30	17
Clerical and kindred workers	8 961	7 167	243	27	17	182	292	319	319	—	—	339	30	264
Craftsmen and kindred workers	25 263	21 892	111	58	147	4 648	14 076	3 503	1 177	49	20	431	—	1 018
Operatives, including transport	71 299	58 785	223	359	114	479	2 210	43 556	2 851	160	267	2 009	—	3 077
Laborers, except farm	15 214	11 903	34	—	36	280	271	1 595	7 707	33	94	601	23	10 463
Unemployed	105	50	—	—	—	—	—	31	—	—	—	—	—	3 060
Farmers and farm managers	105	387	—	—	—	—	—	49	—	—	—	—	—	55
Farm laborers and farm foremen	18 270	14 770	48	145	78	312	393	1 313	17	23	253	20	—	2 926
Service workers, except private household	10 309	6 957	52	18	69	219	873	2 585	1 443	39	50	675	102	574
Private household workers	47 876	17 387	486	152	216	483	2 149	6 460	2 321	21	146	2 336	54	2 735
Unemployed	10 309	6 957	52	18	69	219	873	2 585	1 443	39	50	675	102	914
Armed Forces	1 067	1 067	—	—	—	—	—	—	—	—	—	—	—	153
Not in labor force	47 876	17 387	486	152	216	483	2 149	6 460	2 321	21	146	2 336	54	30 181
White														
Employed in 1970	241 376	93 853	10 704	1 496	3 176	15 298	1 234	14 244	1 281	54	510	26 604	11 484	147 082
Professional, technical, and kindred workers	104 850	68 664	9 124	1 218	2 475	11 983	1 002	10 127	784	38	167	18 939	7 576	35 917
Managers and administrators, except farm	13 244	8 994	7 545	65	72	892	44	84	—	—	26	229	88	16
Sales workers	2 299	1 895	98	910	84	245	21	57	89	—	—	229	54	3 388
Clerical and kindred workers	3 626	2 212	32	62	1 327	154	19	150	41	—	—	184	23	1 414
Craftsmen and kindred workers	22 206	14 101	630	102	464	9 844	69	503	138	—	28	1 129	145	8 065
Operatives, including transport	1 834	1 332	24	19	265	58	717	184	91	—	75	1 084	57	8 502
Laborers, except farm	1 446	1 108	92	22	108	325	116	8 448	352	22	19	55	289	6 149
Unemployed	187	47	—	—	—	—	—	—	—	16	—	—	20	24
Farmers and farm managers	187	47	—	—	—	—	—	—	—	16	—	19	12	140
Farm laborers and farm foremen	31 293	19 693	673	20	92	402	—	518	73	—	38	15 220	970	11 548
Service workers, except private household	10 695	7 021	30	18	63	38	—	44	—	—	—	—	—	52
Private household workers	9 963	4 497	182	59	268	532	31	1 124	96	—	48	1 327	5 918	3 674
Unemployed	31	47	—	—	—	—	—	—	—	—	—	—	—	37
Armed Forces	31	47	—	—	—	—	—	—	—	—	—	—	—	5 433
Not in labor force	126 528	20 692	1 398	219	433	2 783	201	3 013	401	16	295	6 338	3 494	105 717

¹Includes "Occupation not reported" not shown separately.

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State	Persons 25 years old and over	Occupation of workers in 1965										Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported		
		Total working ¹	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Form laborers and farm foremen			Service workers, except private household workers	Private household workers
TOTAL—Continued															
Spanish Origin or Descent															
Male															
Employed in 1970	32 438	27 257	2 009	1 259	545	1 227	4 980	9 548	2 443	225	731	2 122	35	1 073	4 108
Professional, technical, and kindred workers	25 883	23 583	1 751	1 219	491	1 131	4 237	8 360	1 916	156	583	1 899	35	885	1 415
Managers and administrators, except farm	2 421	2 028	1 516	52	743	84	100	103	24	—	—	102	—	165	228
Sales workers	1 339	1 281	72	92	354	39	20	78	21	—	23	—	—	58	40
Clerical and kindred workers	1 680	1 640	37	92	—	603	64	160	123	19	42	62	—	60	38
Craftsmen and kindred workers	1 297	1 199	24	59	—	57	3 357	871	289	9	182	341	—	170	291
Operatives, including transport	5 576	5 115	19	57	—	183	433	6 557	933	18	—	36	—	339	505
Laborers, except farm	9 828	8 984	83	115	20	128	39	355	933	88	—	—	—	74	133
Farmers and farm managers	1 979	1 772	—	—	—	—	—	—	—	—	—	—	—	—	—
Farm laborers and farm foremen	155	155	—	10	—	—	—	18	—	22	294	40	—	—	40
Service workers, except private household	465	425	—	—	—	—	—	—	—	22	42	1 196	—	19	140
Private household workers	2 108	1 949	—	91	21	21	164	103	129	—	—	—	35	—	185
Unemployed	35	35	75	—	—	55	368	575	223	24	21	55	—	26	—
Armed Forces	1 743	1 532	—	—	—	—	—	—	—	—	—	—	—	77	2 508
Not in labor force	85	2 142	183	40	54	41	375	613	304	45	127	168	—	20	19 749
Female															
Employed in 1970	30 076	10 307	1 060	278	569	2 810	185	2 189	70	36	95	1 971	325	20	3 611
Professional, technical, and kindred workers	10 858	7 227	803	197	341	1 974	151	1 482	53	17	—	1 393	264	20	423
Managers and administrators, except farm	1 269	846	672	108	—	101	—	—	—	—	—	20	—	—	58
Sales workers	288	230	21	—	—	42	—	—	—	17	—	—	—	—	203
Clerical and kindred workers	500	297	58	69	171	1 621	18	22	—	—	—	66	—	—	698
Craftsmen and kindred workers	2 792	2 094	73	—	115	1 621	133	39	—	—	—	19	—	—	58
Operatives, including transport	230	1 172	32	—	33	39	—	1 226	23	—	—	—	—	—	799
Laborers, except farm	2 304	1 505	—	—	—	20	—	—	30	—	—	—	—	20	85
Farmers and farm managers	178	73	—	—	—	—	—	—	—	—	—	—	—	—	—
Farm laborers and farm foremen	21	21	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	2 915	1 819	20	—	22	78	—	179	—	—	—	1 246	—	—	1 096
Private household workers	361	1 170	—	—	—	—	—	—	—	19	—	42	—	—	191
Unemployed	907	439	19	22	39	71	—	148	—	—	—	60	—	—	468
Armed Forces	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Not in labor force	18 311	2 641	238	59	189	765	34	559	17	—	95	518	61	—	15 670
RESIDED SAME STATE 5 YEARS AGO															
Male															
Employed in 1970	1 984 838	1 648 733	189 717	147 471	89 073	85 594	385 047	418 931	78 417	35 221	8 256	99 529	518	31 552	314 553
Professional, technical, and kindred workers	1 529 852	1 445 048	179 232	134 041	82 038	86 705	335 785	360 887	63 280	27 974	6 242	84 162	349	26 948	80 856
Managers and administrators, except farm	215 398	192 402	155 576	5 184	3 017	5 842	9 840	5 037	1 285	306	170	2 273	—	3 188	17 808
Sales workers	142 454	134 347	9 719	102 819	9 676	5 842	3 313	3 931	96	386	96	1 019	—	1 689	4 418
Clerical and kindred workers	183 087	188 003	2 938	8 810	59 950	2 297	4 480	3 931	2 269	306	131	1 540	—	1 325	3 759
Craftsmen and kindred workers	99 057	91 442	3 477	4 550	2 211	59 684	4 480	3 377	2 269	306	501	5 488	—	2 763	4 852
Operatives, including transport	391 733	370 310	4 457	5 308	2 436	281 043	36 377	12 009	7 540	1 026	1 046	5 997	—	2 763	14 352
Laborers, except farm	391 038	343 746	1 665	4 182	3 028	4 836	21 346	282 943	34 590	1 743	292	1 720	—	7 068	14 352
Farmers and farm managers	63 896	57 300	297	879	517	1 414	3 188	9 271	158	533	—	72	—	7 493	19 779
Farm laborers and farm foremen	27 799	25 693	41	95	112	84	270	599	2 722	21 964	956	46	—	1 154	5 442
Service workers, except private household	5 371	4 770	38	17	39	285	278	285	130	760	2 722	46	—	173	1 933
Private household workers	102 498	92 656	836	2 197	1 052	1 604	4 754	8 835	2 387	556	349	64 350	41	1 996	7 846
Unemployed	60 027	50 906	2 068	1 992	1 206	1 428	13 529	18 041	62	558	359	21	—	—	—
Armed Forces	2 287	98	98	43	19	23	39	93	5 749	—	—	34	—	1 324	7 797
Not in labor force	379 672	152 370	8 312	11 395	5 810	7 438	35 714	39 910	9 388	6 689	1 392	13 206	117	1 412	466
Female															
Employed in 1970	2 189 703	781 783	118 971	28 455	57 970	234 133	11 092	114 126	7 696	2 922	2 160	132 474	21 627	1 134	1 484 786
Professional, technical, and kindred workers	792 640	556 278	88 230	21 314	40 814	168 307	11 092	79 385	5 113	1 993	1 116	92 152	14 049	815	235 547
Managers and administrators, except farm	123 131	92 956	78 971	1 048	894	5 152	267	406	205	57	63	1 953	155	87	30 588
Sales workers	30 308	24 698	1 197	14 696	1 651	3 323	425	406	19	—	19	1 217	54	67	34 541
Clerical and kindred workers	64 472	39 737	693	1 050	29 106	3 125	320	1 098	189	132	17	6 017	106	171	24 988
Craftsmen and kindred workers	254 664	183 303	3 547	2 964	5 427	150 122	685	3 386	601	47	124	6 017	290	171	74 790
Operatives, including transport	16 121	12 474	321	259	351	122 745	8 110	1 221	88	21	—	548	57	85	3 562
Laborers, except farm	122 158	86 391	370	122 484	1 404	2 418	819	68 698	2 789	41	138	4 699	487	196	35 571
Farmers and farm managers	8 467	5 238	29	92	328	465	35	707	—	—	23	239	59	44	3 185
Farm laborers and farm foremen	1 761	1 419	—	—	—	—	—	—	—	—	134	19	—	23	319
Service workers, except private household	2 400	2 266	42	—	—	—	—	—	—	—	457	46	—	—	—
Private household workers	145 969	94 531	2 866	686	1 448	2 675	326	3 213	347	35	141	74 748	1 573	93	51 345
Unemployed	23 189	14 265	198	35	184	239	15	210	125	18	75	1 048	11 268	—	8 924
Armed Forces	44 756	20 158	16	431	1 250	4 152	322	5 989	305	—	—	4 336	592	54	24 544
Not in labor force	186	86	16	—	—	47	—	—	—	—	—	—	—	18	82
Includes "Occupation not reported" not shown separately.	1 352 121	205 261	28 694	6 910	15 906	61 627	2 868	28 752	2 278	929	969	35 986	6 986	247	1 146 613

Table 178. Occupational and Geographic Mobility Between 1965 and 1970 by Race and Sex: 1970—Continued

The State													
Persons 25 years old and over	Occupation of workers in 1965											Armed Forces in 1965	Did not work in 1965 and work in 1965 not reported
	Total working ¹	Professional, technical, and kindred workers	Managers and administrators, except farm	Sales workers	Clerical and kindred workers	Craftsmen and kindred workers	Operatives, including transport	Laborers, except farm	Farmers and farm managers	Farm laborers and farm foremen	Service workers, except private household		
Male													
RESIDED DIFFERENT STATE 5 YEARS AGO													
208 230	101 717	22 183	11 451	7 738	5 324	16 940	17 154	5 020	1 218	1 370	5 327	102	49 920
Employed in 1970	89 838	20 581	10 469	7 293	4 829	14 699	14 781	4 050	989	1 217	4 212	50	44 093
Professional, technical, and kindred workers	39 354	16 343	1 383	782	792	840	756	375	44	—	345	—	11 868
Managers and administrators, except farm	16 282	2 078	6 481	1 702	618	520	462	105	—	—	179	—	1 965
Sales workers	9 667	513	692	3 344	317	480	222	96	—	—	85	30	1 907
Clerical and kindred workers	8 782	406	422	283	1 779	274	338	226	18	—	368	—	1 894
Craftsmen and kindred workers	31 395	568	517	470	9 542	9 542	2 460	499	167	20	533	—	8 432
Operatives, including transport	38 515	378	664	484	784	2 229	8 878	1 515	405	460	1 328	—	7 258
Laborers, except farm	7 556	61	106	66	74	338	820	894	79	317	237	—	1 129
Farmers and farm managers	970	42	—	—	—	19	40	—	139	18	14	—	103
Farm laborers and farm foremen	740	—	9	—	—	38	120	15	21	290	58	—	79
Service workers, except private household	8 745	192	195	162	204	419	685	325	116	112	1 065	—	2 070
Private household workers	—	20	—	—	—	—	—	—	—	—	—	—	—
Unemployed	7 782	284	151	115	161	837	1 061	541	39	50	306	20	1 660
Armed Forces	6 226	118	—	—	19	98	63	74	—	—	21	52	5 346
Not in labor force	32 151	1 200	831	330	315	1 306	1 249	355	190	103	788	—	1 447
Female													
200 247	55 121	14 390	1 577	2 583	16 218	649	5 885	406	106	391	7 825	1 526	144 437
Employed in 1970	29 025	8 733	994	1 083	7 967	408	2 984	254	65	87	3 905	735	39 650
Professional, technical, and kindred workers	18 230	7 410	141	164	837	33	—	—	—	—	298	—	8 791
Managers and administrators, except farm	2 003	237	317	21	239	—	—	42	—	—	127	—	945
Sales workers	17 832	867	116	413	339	20	57	36	—	—	251	—	3 084
Clerical and kindred workers	9 872	739	272	190	5 087	83	294	36	—	—	427	122	9 556
Craftsmen and kindred workers	1 072	90	36	93	323	89	108	46	—	22	71	37	496
Operatives, including transport	9 961	90	36	93	323	183	2 108	19	43	47	443	41	6 112
Laborers, except farm	626	152	—	—	41	—	—	60	22	—	29	—	474
Farmers and farm managers	133	—	—	—	—	—	—	—	—	—	—	12	121
Farm laborers and farm foremen	217	—	—	—	—	—	—	—	—	—	—	—	200
Service workers, except private household	12 134	17	94	131	303	—	417	51	—	18	2 139	144	8 276
Private household workers	2 459	12	18	71	74	—	—	—	—	—	120	416	1 595
Unemployed	5 668	2 059	100	115	536	44	377	—	19	37	312	120	3 582
Armed Forces	89	—	—	—	—	—	—	—	—	—	—	—	33
Not in labor force	125 380	24 037	483	1 385	7 715	197	2 524	152	22	267	3 608	671	101 172

¹Includes "Occupation not reported" not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State	Years of school completed					
	Total	Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
TOTAL						
Male employed, 16 years old and over	2 089 004	350 882	504 049	713 708	263 019	257 346
Professional, technical, and kindred workers	284 817	4 005	12 728	52 034	57 156	158 894
Engineers	53 509	709	2 342	10 159	12 044	28 255
Lawyers and judges	8 707	31	37	170	164	8 305
Life and physical scientists	5 857	61	209	629	904	4 054
Physicians, dentists, and related practitioners	20 639	27	143	449	942	19 078
Health workers, except practitioners	5 795	185	440	1 692	1 644	1 834
Social and recreation workers	4 397	72	200	420	816	2 889
Teachers	51 097	220	519	1 518	3 313	45 527
Technicians, except health	37 962	834	3 439	17 141	12 761	3 787
Writers, artists, and entertainers	21 593	468	2 218	6 689	6 455	5 763
Other professional, technical, and kindred workers	75 261	1 398	3 181	13 167	18 113	39 402
Managers and administrators, except farm	191 993	13 990	26 186	64 938	39 628	47 251
Salaried	158 867	8 274	19 341	52 763	34 210	44 279
Manufacturing	41 223	1 733	3 900	12 604	9 418	13 568
Retail trade	33 404	2 053	5 645	14 278	7 093	4 335
All other industries	84 240	4 488	9 796	25 881	17 699	26 376
Self-employed	33 126	5 716	6 845	12 175	5 418	2 972
Retail trade	16 614	2 818	3 531	6 538	2 485	1 242
All other industries	16 512	2 898	3 314	5 637	2 933	1 730
Sales workers	125 944	8 266	23 585	44 754	29 692	19 647
Manufacturing and wholesale trade	43 756	2 571	7 011	14 621	10 552	9 001
Retail trade	48 841	4 238	12 812	18 458	10 451	2 882
All other industries	33 347	1 457	3 762	11 675	8 689	7 764
Clerical and kindred workers	140 423	11 522	27 694	60 257	29 694	11 256
Bookkeepers and billing clerks	11 593	483	1 258	4 763	3 404	1 685
Mail handlers and postal clerks	16 016	837	3 057	8 726	2 936	460
Other clerical and kindred workers	112 814	10 202	23 379	46 768	23 354	9 111
Craftsmen and kindred workers	479 480	90 930	128 832	203 665	45 094	10 959
Carpenters	27 285	6 830	7 790	10 434	1 865	366
Construction craftsmen, except carpenters	75 501	15 896	20 777	31 745	6 242	841
Automobile mechanics, including body repairmen	45 876	10 266	15 315	17 012	3 028	255
Mechanics and repairmen, except auto	61 452	11 178	16 879	26 613	6 139	643
Machinists	12 866	2 373	3 755	5 611	1 034	93
Metal craftsmen, except mechanics and machinists	83 821	16 052	21 560	36 657	8 480	1 072
Foremen, n.e.c.	76 947	8 872	17 584	34 474	10 402	5 615
Other craftsmen and kindred workers	95 732	19 463	25 172	41 119	7 904	2 074
Operatives, except transport	425 651	108 369	137 352	152 644	23 864	3 422
Assemblers	60 669	14 243	18 896	24 018	3 143	369
Garage workers and gas station attendants	18 941	2 177	10 363	4 740	1 530	131
Laundry and drycleaning operatives, including ironers	3 056	908	1 067	860	178	43
Precision machine operatives	44 262	10 239	13 739	17 642	2 402	240
Other operatives, except transport	298 723	80 802	93 287	105 384	16 611	2 639
Durable goods, manufacturing	215 078	60 130	67 874	74 406	11 063	1 605
Non-durable goods, including not specified manufacturing	39 818	10 375	11 255	15 304	2 430	454
Nonmanufacturing industries	43 827	10 297	14 158	15 674	3 118	580
Transport equipment operatives	116 236	30 114	40 447	38 311	6 564	800
Truck drivers	53 520	15 328	19 521	16 300	2 152	219
Other transport equipment operatives	62 716	14 786	20 926	22 011	4 412	581
Laborers, except farm	119 149	30 493	45 509	33 416	8 692	1 039
Construction laborers	15 638	5 217	4 583	4 658	1 059	121
Freight, stock, and material handlers	55 598	9 560	24 651	16 381	4 605	401
Other laborers, except farm	47 913	15 716	16 275	12 377	3 028	517
Manufacturing industries	21 919	7 981	6 592	6 208	1 017	121
Farmers and farm managers	29 703	11 597	4 761	10 329	2 257	759
Farm laborers and farm foremen	12 810	3 843	5 178	2 907	733	149
Service workers, except private household	161 969	37 419	51 481	50 332	19 577	3 160
Cleaning service workers	63 638	21 971	20 886	15 157	4 941	683
Food service workers	32 706	4 588	16 378	6 456	4 792	492
Health service workers	6 180	504	1 531	2 461	1 444	240
Personal service workers	13 060	2 339	3 645	4 563	2 116	397
Protective service workers	36 443	4 386	6 416	19 116	5 479	1 046
Private household workers	829	334	296	121	68	10
Female employed, 16 years old and over	1 163 826	121 176	260 891	505 710	158 111	117 938
Professional, technical, and kindred workers	177 075	2 779	7 794	29 951	39 289	97 863
Registered nurses	30 936	565	1 541	8 610	15 291	4 929
Health workers, except nurses	13 631	363	893	3 775	3 480	5 120
Teachers, elementary and secondary schools	74 785	242	682	2 363	6 851	64 647
Technicians, except health	3 057	87	412	1 308	830	420
Other professional, technical, and kindred workers	54 666	921	4 266	13 895	12 837	22 747
Managers and administrators, except farm	35 388	3 066	6 297	16 048	5 519	4 458
Salaried	28 451	1 934	4 750	13 057	4 619	4 091
Self-employed	6 937	1 132	1 547	2 991	900	367
Sales workers	94 736	8 782	29 349	43 979	10 419	2 207
Retail trade	81 246	7 873	26 336	37 611	8 041	1 385
Clerical and kindred workers	409 700	11 223	62 732	253 257	72 678	9 810
Bookkeepers and cashiers	80 706	3 027	17 338	47 599	11 471	1 271
Office machine operators	17 814	299	2 017	13 239	2 112	147
Secretaries, stenographers, and typists	149 040	1 445	13 104	97 854	33 189	3 448
Other clerical and kindred workers	162 140	6 452	30 273	94 565	25 906	4 944
Craftsmen and kindred workers	20 334	3 346	5 636	9 120	1 688	544
Operatives, except transport	145 554	33 993	52 756	53 749	4 476	580
Sewers and stitchers	10 455	2 640	3 754	3 666	329	46
Laundry and drycleaning operatives, including ironers	9 085	2 921	3 548	2 360	250	6
Other operatives, except transport	126 014	28 412	45 454	47 723	3 897	528
Durable goods, manufacturing	79 001	17 265	29 398	29 864	2 168	306
Non-durable goods, including not specified manufacturing	29 573	6 703	10 549	11 348	877	96
Nonmanufacturing industries	17 440	4 444	5 507	6 511	852	126
Transport equipment operatives	8 390	1 053	2 747	4 008	548	34
Laborers, except farm	11 814	2 516	3 987	4 593	615	103
Farmers and farm managers	1 925	593	328	750	167	87
Farm laborers and farm foremen	3 282	869	1 031	1 137	199	46
Service workers, except private household	224 888	41 294	77 425	82 891	21 333	1 945
Cleaning service workers	27 324	10 500	9 200	6 708	788	128
Food service workers	91 763	16 285	37 676	30 314	7 108	380
Health service workers	53 402	5 383	14 975	23 839	8 733	472
Practical nurses	12 504	665	1 964	5 986	3 807	82
Personal service workers	30 656	3 333	8 460	14 984	3 340	539
Protective service workers	2 332	245	551	1 187	246	103
Private household workers	30 740	12 263	10 809	6 227	1 180	261

*Includes allocated cases not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
NEGRO						
Male employed, 16 years old and over	191 581	51 298	59 762	56 330	16 235	7 956
Professional, technical, and kindred workers	10 114	268	629	1 867	2 378	4 972
Engineers	698	18	55	136	152	337
Lawyers and judges	191	5	4	16	—	170
Life and physical scientists	192	—	18	19	42	125
Physicians, dentists, and related practitioners	552	—	81	256	16	499
Health workers, except practitioners	717	22	113	209	149	149
Social and recreation workers	688	14	28	113	185	348
Teachers	2 364	36	44	117	256	1 911
Technicians, except health	987	19	77	393	403	95
Writers, artists, and entertainers	767	24	128	260	203	152
Other professional, technical, and kindred workers	2 958	130	189	541	912	1 186
Managers and administrators, except farm	5 177	647	891	1 459	1 194	986
Salaried	4 154	345	603	1 193	1 072	941
Manufacturing	409	41	64	132	111	61
Retail trade	874	79	171	362	229	33
All other industries	2 871	225	368	699	732	847
Self-employed	1 023	302	288	266	122	45
Retail trade	456	122	150	100	62	22
All other industries	567	180	138	166	60	23
Sales workers	3 734	367	1 011	1 171	893	292
Manufacturing and wholesale trade	868	149	235	178	204	102
Retail trade	1 795	197	572	605	355	66
All other industries	1 071	21	204	388	334	124
Clerical and kindred workers	12 254	1 150	2 763	4 999	2 794	548
Bookkeepers and billing clerks	431	14	30	186	167	34
Mail handlers and postal clerks	2 610	92	411	1 309	697	101
Other clerical and kindred workers	9 213	1 044	2 322	3 504	1 930	413
Craftsmen and kindred workers	29 096	7 800	9 002	9 419	2 506	369
Carpenters	776	245	220	187	81	43
Construction craftsmen, except carpenters	4 679	1 528	1 300	1 466	336	49
Automobile mechanics, including body repairmen	4 178	1 109	1 672	1 189	183	25
Mechanics and repairmen, except auto	3 183	640	972	1 198	350	23
Machinists	518	94	167	212	33	12
Metal craftsmen, except mechanics and machinists	4 817	1 435	1 374	1 520	460	28
Foremen, n.e.c.	3 121	486	830	1 189	498	118
Other craftsmen and kindred workers	7 824	2 263	2 467	2 458	565	71
Operatives, except transport	73 563	20 972	25 975	22 917	3 295	404
Assemblers	16 414	3 882	5 864	5 891	720	57
Garage workers and gas station attendants	1 167	383	496	242	41	5
Laundry and drycleaning operatives, including ironers	1 126	412	450	220	34	10
Precision machine operatives	3 565	887	1 331	1 101	225	21
Other operatives, except transport	51 291	15 408	17 834	15 463	2 275	311
Durable goods, manufacturing	43 771	12 913	15 557	13 276	1 770	255
Nondurable goods, including not specified manufacturing	3 762	1 281	1 142	1 111	201	27
Nonmanufacturing industries	3 758	1 214	1 135	1 076	304	29
Transport equipment operatives	13 722	4 372	4 975	3 728	569	78
Truck drivers	5 141	1 753	1 891	1 296	187	14
Other transport equipment operatives	8 581	2 619	3 084	2 432	382	64
Laborers, except farm	19 561	7 548	6 438	4 609	871	95
Construction laborers	2 868	1 441	794	520	96	17
Freight, stock, and material handlers	7 153	1 904	2 740	2 044	430	35
Other laborers, except farm	9 540	4 203	2 904	2 045	345	43
Manufacturing industries	5 388	2 253	1 690	1 230	194	21
Farmers and farm managers	161	55	49	29	22	6
Farm laborers and farm foremen	565	237	191	102	28	7
Service workers, except private household ¹	23 385	7 757	7 748	6 015	1 666	199
Cleaning service workers	12 578	5 067	4 229	2 702	525	55
Food service workers	2 530	586	1 211	554	166	13
Health service workers	1 322	131	411	547	233	—
Personal service workers	1 678	434	463	572	173	36
Protective service workers	2 629	470	550	1 066	467	76
Private household workers	249	125	90	15	19	—
Female employed, 16 years old and over	133 920	20 365	37 027	52 169	15 922	8 437
Professional, technical, and kindred workers	15 037	254	1 282	3 546	3 085	6 870
Registered nurses	2 377	52	300	984	707	334
Health workers, except nurses	1 808	69	287	784	345	323
Teachers, elementary and secondary schools	5 909	53	169	382	598	4 707
Technicians, except health	194	14	14	95	68	3
Other professional, technical, and kindred workers	2 749	66	512	1 301	1 367	1 503
Managers and administrators, except farm	4 350	224	518	850	432	326
Salaried	1 991	175	401	724	382	309
Self-employed	359	49	117	126	50	17
Sales workers	5 131	416	1 411	2 558	630	116
Retail trade	4 399	351	1 261	2 247	483	57
Clerical and kindred workers	37 915	1 128	6 779	21 383	7 968	657
Bookkeepers and cashiers	4 629	167	1 000	2 483	907	72
Office machine operators	2 535	24	208	1 783	504	16
Secretaries, stenographers, and typists	9 644	146	1 074	5 630	2 644	150
Other clerical and kindred workers	21 107	791	4 497	11 487	3 913	419
Craftsmen and kindred workers	1 863	278	595	774	168	48
Operatives, except transport	20 355	4 048	7 900	7 264	1 032	111
Sewers and stitchers	1 231	131	494	517	78	11
Laundry and drycleaning operatives, including ironers	3 666	1 241	1 460	882	83	—
Other operatives, except transport	15 458	2 676	5 946	5 865	871	100
Durable goods, manufacturing	9 915	1 549	3 765	3 962	568	71
Nondurable goods, including not specified manufacturing	2 887	472	1 260	971	172	12
Nonmanufacturing industries	2 656	655	921	932	131	17
Transport equipment operatives	2 567	104	243	173	47	—
Laborers, except farm	2 097	437	769	779	94	18
Farmers and farm managers	168	51	77	77	—	11
Farm laborers and farm foremen	322	90	124	94	14	—
Service workers, except private household ¹	37 313	7 609	14 057	13 104	2 295	248
Cleaning service workers	7 615	2 644	3 074	1 701	182	14
Food service workers	8 914	1 874	3 929	2 678	404	29
Health service workers	12 847	1 251	4 164	6 096	1 256	80
Practical nurses	2 656	73	445	1 598	514	26
Personal service workers	3 458	487	1 323	1 301	288	59
Protective service workers	422	58	112	190	46	16
Private household workers	10 802	5 726	3 320	1 567	157	32

¹Includes allocated cases not shown separately.

Table 179. Occupation of Employed Persons by Education, Race, and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State	Total	Years of school completed				
		Elementary, 8 years or less	High school		College	
			1 to 3 years	4 years	1 to 3 years	4 years or more
PERSONS OF SPANISH LANGUAGE						
Male employed, 16 years old and over	25 545	8 520	6 058	6 235	2 450	2 282
Professional, technical, and kindred workers	2 841	53	163	378	558	1 689
Engineers	474	—	33	48	103	290
Lawyers and judges	21	—	—	—	—	21
Life and physical scientists	32	—	—	—	8	24
Physicians, dentists, and related practitioners	518	—	—	6	—	512
Health workers, except practitioners	114	—	19	24	37	34
Social and recreation workers	42	6	12	—	5	19
Teachers	415	14	6	14	61	320
Technicians, except health	390	9	47	165	121	48
Writers, artists, and entertainers	276	11	33	56	76	100
Other professional, technical, and kindred workers	559	13	13	65	147	321
Managers and administrators, except farm	1 228	183	122	398	304	221
Salaried	988	88	105	314	260	221
Manufacturing	191	11	13	66	62	39
Retail trade	272	30	51	106	69	16
All other industries	525	47	41	142	129	166
Self-employed	240	95	17	84	44	—
Retail trade	176	76	17	69	14	—
All other industries	64	19	—	15	30	—
Sales workers	822	78	151	311	163	119
Manufacturing and wholesale trade	297	60	25	135	50	27
Retail trade	272	12	100	106	47	7
All other industries	253	6	26	70	66	85
Clerical and kindred workers	1 387	200	333	531	236	87
Bookkeepers and billing clerks	46	—	—	37	9	—
Mail handlers and postal clerks	97	4	35	46	12	—
Other clerical and kindred workers	1 244	196	298	448	215	87
Craftsmen and kindred workers	4 771	1 574	1 093	1 569	468	67
Carpenters	199	117	30	44	8	—
Construction craftsmen, except carpenters	684	185	174	251	62	12
Automobile mechanics, including body repairmen	540	240	139	132	23	6
Mechanics and repairmen, except auto	665	155	163	250	97	—
Machinists	91	26	24	32	9	—
Metal craftsmen, except mechanics and machinists	967	288	219	348	97	15
Foremen, n.e.c.	546	166	102	161	93	24
Other craftsmen and kindred workers	1 079	397	242	351	79	10
Operatives, except transport	8 010	3 543	2 315	1 775	343	34
Assemblers	1 717	718	483	448	55	13
Garage workers and gas station attendants	158	30	82	34	12	—
Laundry and drycleaning operatives, including ironers	39	13	18	8	—	—
Precision machine operatives	650	280	158	199	13	—
Other operatives, except transport	5 446	2 502	1 574	1 086	263	21
Durable goods, manufacturing	4 122	1 900	1 193	845	171	13
Non-durable goods, including not specified manufacturing	699	336	186	139	38	—
Nonmanufacturing industries	625	266	195	102	54	8
Transport equipment operatives	1 414	538	451	348	62	15
Truck drivers	631	220	209	186	16	—
Other transport equipment operatives	783	318	242	162	46	15
Laborers, except farm	2 332	1 073	751	378	110	20
Construction laborers	406	204	138	44	20	—
Freight, stock, and material handlers	828	260	307	214	32	15
Other laborers, except farm	1 098	609	306	120	58	5
Manufacturing industries	757	416	213	82	46	—
Farmers and farm managers	105	81	17	7	—	—
Farm laborers and farm foremen	536	399	64	65	8	—
Service workers, except private household ¹	2 093	798	598	469	198	30
Cleaning service workers	1 005	579	266	130	23	7
Food service workers	521	130	184	134	66	7
Health service workers	38	—	8	15	9	6
Personal service workers	154	14	38	63	39	—
Protective service workers	260	14	64	120	52	10
Private household workers	6	—	—	6	—	—
Female employed, 16 years old and over	11 750	2 552	2 795	4 142	1 310	951
Professional, technical, and kindred workers	1 382	29	119	204	256	774
Registered nurses	241	—	—	47	112	82
Health workers, except nurses	189	8	7	53	19	102
Teachers, elementary and secondary schools	409	—	10	7	45	347
Technicians, except health	29	6	—	—	5	18
Other professional, technical, and kindred workers	514	15	102	97	75	225
Managers and administrators, except farm	279	12	47	142	49	29
Salaried	222	5	22	133	40	22
Self-employed	57	7	25	9	9	7
Sales workers	735	100	296	233	87	19
Retail trade	619	88	260	206	52	13
Clerical and kindred workers	3 651	91	644	2 149	687	80
Bookkeepers and cashiers	622	36	148	367	64	7
Office machine operators	197	—	29	145	16	—
Secretaries, stenographers, and typists	1 291	12	94	778	375	32
Other clerical and kindred workers	1 541	43	373	859	232	34
Craftsmen and kindred workers	247	49	77	105	11	5
Operatives, except transport	2 365	1 084	645	574	45	17
Sewers and stitchers	212	120	40	45	7	—
Laundry and drycleaning operatives, including ironers	167	111	43	7	6	—
Other operatives, except transport	1 986	853	562	522	32	17
Durable goods, manufacturing	971	335	300	301	18	17
Non-durable goods, including not specified manufacturing	656	339	169	134	14	—
Nonmanufacturing industries	359	179	93	87	—	—
Transport equipment operatives	61	24	19	13	5	—
Laborers, except farm	103	56	27	20	—	—
Farmers and farm managers	6	6	—	—	—	—
Farm laborers and farm foremen	130	89	33	—	—	8
Service workers, except private household ¹	2 570	933	787	673	163	14
Cleaning service workers	378	259	78	33	8	—
Food service workers	1 089	402	404	233	50	—
Health service workers	534	109	174	176	75	—
Practical nurses	97	—	29	49	19	—
Personal service workers	400	56	95	211	24	14
Protective service workers	8	—	8	—	—	—
Private household workers	221	79	101	29	7	5

¹Includes allocated cases not shown separately.

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
THE STATE	3 252 830	58 707	13 880	155 637	1 168 540	34 743	19 087	54 971	19 621	85 890	162 918	39 082
Total employed	461 892	2 239	1 060	5 557	110 988	1 328	1 113	2 908	1 149	4 761	16 697	4 988
Professionals, technical, and kindred workers	28 197	15	92	632	10 174	212	136	286	165	732	1 369	396
Accountants	2 009	215	—	74	148	—	—	—	—	5	—	—
Architects	9 353	20	48	38	4 431	36	37	111	27	96	876	187
Computer specialists	54 132	74	325	2 614	37 613	386	26	945	420	1 948	6 850	2 138
Engineers	1 986	—	8	11	1 770	5	25	22	9	14	17	5
Chemical	4 490	29	32	1 959	566	7	25	32	—	46	47	5
Civil	6 849	—	56	147	3 483	43	92	364	21	80	134	134
Electrical and electronic	9 825	4	43	80	8 199	205	92	364	133	565	1 030	247
Industrial	17 078	16	177	155	14 627	29	52	401	65	401	2 491	261
Mechanical	13 904	25	169	262	8 968	140	93	406	192	842	2 491	261
Other engineers	1 000	—	—	—	521	5	4	406	192	842	2 491	261
Mathematical specialists	6 803	110	—	13	4 087	18	87	17	—	—	40	6
Life and physical scientists	4 495	—	112	50	3 540	18	70	256	45	107	228	37
Chemists	12 231	10	53	104	5 104	49	83	227	53	240	609	159
Personnel and labor relations workers	5 000	—	5	17	2 226	16	9	15	9	67	209	81
Social scientists	37 682	205	230	1 459	24 102	291	280	771	316	1 107	4 301	1 363
Engineering and science technicians	19 321	41	70	672	12 069	226	83	219	125	772	2 979	601
Draftsmen	3 203	—	10	87	2 112	9	21	9	12	39	480	555
Electrical and electronic engineering technicians	3 337	26	13	45	2 819	9	33	116	46	75	221	31
Industrial and mechanical engineering technicians	28 902	292	35	174	11 471	164	48	12	20	103	117	367
Technicians, except health, and engineering and science	273 246	1 272	109	337	10 579	135	102	213	87	329	2 227	233
Writers, artists, and entertainers	227 381	519	534	15 331	46 434	1 999	1 234	1 661	804	4 378	8 914	2 860
Managers and administrators, except farm	30 741	26	58	678	9 572	318	201	368	159	852	1 770	565
Buyers, purchasing agents, and sales managers	196 640	493	476	14 653	36 862	1 033	1 033	1 368	645	3 526	7 144	1 495
Other managers and administrators	158 199	255	360	9 326	33 813	1 265	900	1 329	597	3 218	6 530	1 418
Salaried	38 441	116	116	5 127	3 049	416	133	39	48	308	614	77
Self-employed	220 680	346	138	1 545	22 411	554	513	447	333	1 408	2 715	739
Sales workers	550 123	1 503	1 229	10 990	127 118	3 723	1 931	4 422	1 835	9 249	17 658	4 913
Clerical and kindred workers	59 069	473	228	2 600	11 963	580	322	402	232	1 113	1 753	455
Bookkeepers	35 782	49	6	5	523	6	21	45	5	5	5	9
Cashiers	10 940	—	12	1 448	2 137	78	13	72	33	223	429	51
Estimators and investigators, n.e.c.	23 323	20	80	146	8 483	156	102	338	119	358	1 113	326
Office machine operators	16 885	10	10	70	10 436	401	120	464	244	1 402	436	506
Shipping and receiving clerks	21 021	14	146	280	11 400	291	120	343	161	1 767	506	456
Stock clerks and storekeepers	383 103	937	747	6 441	82 176	2 211	1 239	2 758	1 046	5 394	11 085	3 180
Other clerical and kindred workers	499 814	1 084	3 960	90 569	265 589	6 870	3 734	18 002	4 387	20 611	43 318	6 557
Craftsmen and kindred workers	2 754	5	17	200	2 079	24	—	48	58	466	236	16
Blacksmiths, forgers, hammermen, and boilermakers	6 706	16	35	519	958	—	53	489	21	63	45	—
Brickmasons and stonemasons	27 705	151	80	20 835	3 604	618	104	401	21	159	270	39
Carpenters	8 403	14	199	7 844	1 520	108	199	108	38	488	442	53
Cranemen, derrickmen, and hoistmen	21 940	15	358	1 520	10 870	108	244	983	109	620	1 173	502
Electricians	9 788	84	472	6 815	1 133	99	106	243	34	21	123	—
Excavating, grading, and road machine operators	80 665	332	893	6 027	56 751	1 776	1 026	3 566	1 202	5 086	7 618	1 679
Foremen, n.e.c.	109 423	205	1 210	4 736	686	991	991	1 987	575	2 154	5 185	1 122
Mechanics and repairmen	46 593	49	159	745	15 022	26	137	96	6	129	327	41
Automobile, including body	66 689	23	94	165	64 733	388	277	1 540	1 188	7 576	22 611	1 611
Machinists, job setters, and toolmakers	29 266	5	68	3 059	25 201	289	164	4 749	707	2 194	3 572	481
Metal craftsmen, except mechanics and machinists	12 437	17	17	7 162	2 744	188	—	63	4	178	336	76
Painters, construction and maintenance, and plasterers and paperhangers	17 800	17	91	8 968	6 233	26	109	488	48	203	434	98
Plumbers and pipe fitters	13 566	—	10	8 968	12 252	62	16	24	5	66	130	17
Printing craftsmen	7 352	4	189	132	2 568	25	104	174	36	213	186	67
Stationary engineers and power station operators	85 320	196	227	17 513	25 727	2 473	341	1 203	148	1 124	957	796
Other craftsmen and kindred workers	571 205	629	4 899	7 537	475 877	14 507	6 889	18 967	9 310	37 381	64 496	17 463
Operatives, except transport	87 704	22	18	104	86 120	2 196	413	952	544	4 084	9 807	5 964
Assemblers	49 165	—	—	—	49 165	733	915	1 957	1 047	3 126	6 285	2 031
Checkers, examiners, and inspectors, manufacturing	10 867	9	11	42	10 421	217	293	217	505	1 609	870	225
Filers, polishers, sanders, and buffers	9 184	—	—	—	8 030	581	72	124	124	792	310	185
Painters, manufactured articles	48 051	5	37	210	46 926	164	164	449	552	3 497	19 943	1 085
Precision machine operators	37 303	30	468	468	31 653	1 796	275	1 540	238	4 376	4 537	876
Welders and flamecutters	196 179	397	4 354	4 372	122 598	4 542	4 676	2 329	10 199	6 706	3 076	3 076
Other specified operatives	54 471	68	5	377	50 838	1 806	1 480	3 701	2 311	3 461	4 509	1 341
Machine operatives, miscellaneous specified	37 371	16	—	171	35 542	1 805	443	1 096	956	2 950	7 020	927
Machine operatives, not specified	25 231	56	6	335	20 310	828	378	1 272	461	1 384	2 056	1 060
Miscellaneous operatives	15 739	26	—	130	14 274	605	874	1 292	223	1 153	2 146	568
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More										
THE STATE—Continued										
Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing						
				Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical
Total employed—Continued										
Transport equipment operatives	468	1 040	6 440	39 322	1 284	1 865	1 977	611	2 624	602
Deliverymen and routemen	101	33	306	5 858	163	202	87	11	237	34
Truck drivers	296	803	5 293	14 710	670	1 330	901	216	890	231
Other transport equipment operatives	71	204	841	18 754	451	333	989	384	1 497	337
Laborers, except farm	3 804	692	16 119	46 588	3 728	1 269	4 900	726	3 437	931
Freight, stock, and material handlers	48	365	440	2 228	869	628	849	295	1 933	507
Other specified laborers	3 634	162	15 629	9 894	2 025	1 638	556	62	1 530	91
Miscellaneous laborers	83	77	12	4 911	98	198	1 846	141	530	52
Not specified laborers	39	88	38	10 495	526	410	1 629	228	707	281
Farm workers	47 720	—	—	—	—	—	—	—	—	—
Service workers, including private household	395	328	1 549	34 213	750	539	1 687	466	2 041	819
Cleaning service workers	177	249	1 024	22 111	521	409	1 247	309	1 543	515
Personal service workers	14	—	36	673	16	4	8	9	4	24
Guards and watchmen	43	59	348	6 084	124	89	332	100	303	150
Other service workers, including private household	161	20	—	5 345	89	37	100	48	191	130
Female employed	8 044	936	9 998	221 811	7 519	4 102	4 223	3 902	18 202	13 612
Professional, technical, and kindred workers	216	15	278	8 318	92	114	172	87	352	366
Accountants	11	6	117	1 437	29	19	12	30	129	79
Computer specialists	—	5	5	599	5	5	25	6	12	28
Life and physical scientists	15	—	—	392	—	6	4	—	6	11
Registered nurses, dietitians, and therapists	946	—	4	1 118	19	18	56	16	63	146
Social scientists	684	—	—	110	—	5	—	—	5	9
Writers, artists, and entertainers	7 309	—	31	1 725	10	6	6	5	14	26
Other professional, technical, and kindred workers	124 998	4	121	2 937	29	55	69	30	123	200
Managers and administrators, except farm	35 388	12	466	2 356	94	68	78	39	240	72
Salaried	28 451	12	316	2 110	89	51	78	39	232	450
Self-employed	6 937	—	150	246	5	17	—	—	8	36
Sales workers	94 736	16	170	1 932	38	9	—	28	40	74
Clerical and kindred workers	409 700	483	7 083	71 799	2 410	1 207	1 774	1 009	5 142	3 321
Bookkeepers	48 239	118	2 049	7 989	512	239	219	139	849	1 284
Cashiers	32 427	49	384	384	35	15	24	5	5	5
Counter clerks, except food	17 486	3	14	819	—	11	—	—	10	84
File clerks	11 119	13	113	2 064	55	19	10	27	99	412
Office machine operators	2 324	26	108	5 319	115	78	207	76	282	787
Bookkeeping and billing machine operators	13 285	17	13	1 350	5	15	25	76	51	67
Receptionists	104 691	224	1 890	1 222	37	25	46	24	107	223
Secretaries	316	34	2 851	25 398	822	421	562	368	1 888	4 158
Stenographers	5 040	5	74	421	23	14	57	106	23	177
Typists	39 309	60	619	230	132	230	214	106	632	1 337
Other clerical and kindred workers	130 250	156	1 065	18 113	577	253	414	261	1 247	1 954
Craftsman and kindred workers	20 334	82	1 179	9 746	569	128	342	228	584	915
Foremen, n.e.c.	3 718	7	78	1 529	60	29	39	53	97	114
Operatives, except transport	145 554	247	189	117 871	3 916	2 386	1 575	2 329	10 765	8 955
Assemblers	27 035	5	26	26 452	872	238	337	235	1 998	3 919
Checkers, examiners, and inspectors; manufacturing	12 880	—	—	12 880	220	636	326	387	1 070	2 919
Packers and wrappers, except meat and produce	11 544	—	—	8 258	176	166	40	131	517	985
Other operatives, except transport	94 095	100	163	70 281	2 648	1 326	974	1 474	7 180	5 454
Transport equipment operatives	8 390	14	75	693	5	14	21	6	57	8
Laborers, except farm	11 814	—	234	4 453	233	100	134	127	786	167
Farm workers	5 207	—	—	—	—	—	—	—	—	—
Service workers, including private household	255 628	168	324	4 643	162	76	127	49	236	423
Cleaning service workers	27 324	64	251	2 412	105	63	86	42	152	290
Personal service workers	30 656	14	7	246	6	—	—	—	—	13
Other service workers, including private household	197 648	90	66	1 985	51	13	41	7	84	120

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Manufacturing—Continued										
Durable goods—Continued					Nondurable goods					
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products
435 085	7 338	11 356	3 910	79 173	41 836	2 834	11 710	27 531	39 911	39 629
Accountants	48 181	1 113	988	5 798	1 702	182	333	1 301	4 611	8 245
Architects	4 580	99	67	313	280	39	68	180	234	456
Computer specialists	2 102	5	—	—	5	—	—	—	5	17
Engineers	2 347	20	26	123	86	6	—	9	62	245
Chemical	18 252	524	444	1 373	261	54	95	278	53	1 596
Chemical	220	7	14	10	10	11	—	16	—	971
Civil	289	5	—	10	—	—	—	—	—	48
Electrical and electronic	1 269	9	63	230	25	—	—	23	6	62
Industrial	4 320	56	50	330	81	8	49	81	35	164
Mechanical	10 217	179	49	282	22	14	16	99	66	128
Other engineers	2 166	271	135	213	89	21	30	115	3	223
Mathematical specialists	385	—	142	634	—	—	—	—	—	32
Life and physical scientists	642	15	68	78	6	—	—	68	—	1 056
Chemists	582	10	63	47	102	—	6	88	3	1 416
Personnel and labor relations workers	2 570	25	48	139	82	14	31	309	62	1 302
Social scientists	1 420	14	19	36	73	5	6	16	22	158
Engineering and science technicians	10 211	264	143	671	398	41	36	400	86	2 103
Draftsmen	5 904	95	15	322	69	11	8	53	23	103
Electrical and electronic engineering technicians	334	34	15	127	7	4	10	9	13	23
Industrial and mechanical engineering technicians	2 019	48	4	18	30	5	9	5	—	52
Technicians, except health, and engineering and science	4 174	34	71	316	37	13	50	76	3 951	16
Writers, artists, and entertainers	4 410	64	192	206	81	13	32	149	1 034	227
Other professional, technical, and kindred workers	3 076	54	52	213	210	5	—	—	—	88
Managers and administrators, except farm	9 065	434	600	2 925	2 580	139	428	1 014	2 965	2 648
Buyers, purchasing agents, and sales managers	2 118	61	175	72	553	32	58	202	815	607
Other managers and administrators	6 947	373	425	168	2 027	107	370	812	2 150	1 171
Salaried	6 892	368	370	2 200	1 853	93	306	708	1 708	2 041
Self-employed	55	5	5	360	174	14	64	30	442	935
Sales workers	1 592	59	175	1 598	1 620	173	463	648	5 106	1 981
Clerical and kindred workers	44 447	922	912	7 500	4 140	239	1 058	2 957	7 945	6 296
Bookkeepers	2 868	90	114	495	876	21	168	333	902	606
Cashiers	238	10	—	34	80	—	—	—	18	20
Estimators and investigators, n.e.c.	830	15	10	42	41	5	88	—	16	5
Office machine operators	3 891	55	32	222	226	18	86	149	418	65
Shipping and receiving clerks	2 967	43	74	379	452	26	160	361	322	406
Stock clerks and storekeepers	5 642	62	147	238	279	26	115	217	84	533
Other clerical and kindred workers	28 011	647	535	6 090	2 186	132	520	1 809	1 404	3 040
Craftsmen and kindred workers	101 435	1 272	3 556	15 466	6 695	382	1 326	5 406	12 169	6 468
Blacksmiths, forgers, hammermen, and boilermakers	421	5	15	24	9	—	—	33	21	54
Brickmasons and stonemasons	246	4	914	151	42	—	—	—	11	12
Carpenters	671	4	—	31	21	10	14	53	11	35
Cranemen, derrickmen, and hoistmen	2 205	6	28	66	41	—	—	78	35	58
Electricians	5 221	35	269	222	222	10	50	330	52	178
Excavating, grading, and road machine operators	267	10	10	83	83	—	—	70	41	41
Foremen, n.e.c.	22 453	286	599	232	2 000	172	535	1 664	1 134	2 288
Mechanics and repairmen	24 385	219	378	816	1 740	86	258	1 186	321	898
Mechanics and repairmen	13 637	17	83	93	218	—	—	32	64	1 582
Machinists, job setters, and toolmakers	26 061	533	152	789	200	24	135	342	371	300
Metal craftsmen, except mechanics and machinists	10 270	140	239	1 253	222	11	46	333	25	254
Painters, construction and maintenance, and plasterers and paperhangers	1 284	13	127	74	52	4	11	43	58	103
Plumbers and pipe fitters	3 331	16	201	55	108	—	24	222	10	357
Printing craftsmen	910	—	—	78	123	3	5	184	316	186
Stationary engineers and power station operators	3 229	15	16	47	225	5	228	114	81	27
Other craftsmen and kindred workers	3 893	1 054	3 893	10 787	1 466	51	—	—	—	213
Operatives, except transport	185 061	3 147	3 893	37 327	15 596	1 459	7 379	12 833	4 889	9 922
Assemblers	54 478	542	904	2 720	293	52	515	371	107	341
Checkers, examiners, and inspectors	25 119	536	178	167	936	95	515	749	378	853
Filers, polishers, sanders, and buffers	4 878	131	71	452	5	—	—	13	30	42
Painters, manufactory articles	4 346	19	132	276	30	—	9	39	22	191
Precision machine operatives	16 574	131	127	791	65	16	19	111	18	120
Welders and flamecutters	15 408	207	127	497	107	8	24	141	19	247
Other specified operatives	29 606	199	745	28 073	8 452	1 288	5 151	3 558	1 139	2 592
Machine operatives, miscellaneous specified	10 648	256	213	1 437	3 064	—	5	144	1 631	2 743
Machine operatives, not specified	12 894	276	91	1 152	905	—	139	1 372	726	1 099
Miscellaneous operatives	5 640	88	457	1 014	1 047	—	235	305	687	608
Not specified operatives	4 226	105	291	619	692	—	138	363	70	422

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

THE STATE

Total employed

Professional, technical, and kindred workers

Managers and administrators, except farm

Buyers, purchasing agents, and sales managers

Other managers and administrators

Salaried

Self-employed

Sales workers

Clerical and kindred workers

Bookkeepers

Cashiers

Estimators and investigators, n.e.c.

Office machine operators

Shipping and receiving clerks

Stock clerks and storekeepers

Other clerical and kindred workers

Craftsmen and kindred workers

Blacksmiths, forgers, hammermen, and boilermakers

Brickmasons and stonemasons

Carpenters

Cranemen, derrickmen, and hoistmen

Electricians

Excavating, grading, and road machine operators

Foremen, n.e.c.

Mechanics and repairmen

Mechanics and repairmen

Machinists, job setters, and toolmakers

Metal craftsmen, except mechanics and machinists

Painters, construction and maintenance, and plasterers and paperhangers

Plumbers and pipe fitters

Printing craftsmen

Stationary engineers and power station operators

Other craftsmen and kindred workers

Operatives, except transport

Assemblers

Checkers, examiners, and inspectors

Filers, polishers, sanders, and buffers

Painters, manufactory articles

Precision machine operatives

Welders and flamecutters

Other specified operatives

Machine operatives, miscellaneous specified

Machine operatives, not specified

Miscellaneous operatives

Not specified operatives

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Manufacturing—Continued														
Durable goods—Continued					Nondurable goods									
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscel- laneous plastic products	Other nondurable goods, incl. not specified manufacturing		
THE STATE—Continued														
Total employed—Continued														
Transport equipment operatives														
Deliverymen and roulemen	14 938	99	310	49	2 491	108	163	1 242	888	1 130	460	838		
Truck drivers	5 549	15	57	—	169	—	30	120	528	163	75	94		
Other transport equipment operatives	5 714	52	184	24	47	34	47	405	292	578	194	249		
	8 675	32	69	25	1 844	74	86	717	68	389	191	495		
Laborers, except farm														
Freight, stock, and material handlers	15 314	96	527	81	3 358	115	387	1 482	664	1 459	815	1 284		
Other specified laborers	9 008	42	167	56	413	68	280	890	444	790	439	313		
Miscellaneous laborers	2 013	11	125	6	2 527	32	26	211	35	204	66	625		
Not specified laborers	1 327	5	18	—	123	41	46	335	55	55	93	51		
	2 966	38	217	19	295	15	75	410	144	410	217	295		
Farm workers														
Service workers, including private household	15 012	196	409	134	2 710	37	223	648	674	1 480	476	947		
Cleaning service workers	9 819	108	272	77	671	27	148	508	523	988	354	433		
Personal service workers	3 326	5	—	—	57	5	5	16	7	23	8	—		
Guards and watchmen	3 403	77	101	35	110	5	56	109	68	250	63	61		
Other service workers, including private household	1 464	6	36	22	1 872	—	14	15	76	186	51	430		
Female employed														
Professional, technical, and kindred workers	56 702	1 557	1 483	575	17 999	1 151	7 446	6 075	14 491	8 929	8 632	9 732		
Accountants	1 884	55	47	30	397	34	88	166	1 579	1 152	125	339		
Computer specialists	11 381	11	11	5	50	5	—	106	110	43	16	—		
Life and physical scientists	272	10	5	—	27	—	—	8	—	37	6	21		
Registered nurses, dietitians, and therapists	562	—	6	14	23	—	14	37	5	306	—	4		
Social scientists	93	—	6	—	24	—	—	—	—	68	5	33		
Writers, artists, and entertainers	513	34	19	5	262	8	37	6	1 358	15	6	—		
Other professional, technical, and kindred workers	131	18	55	—	239	21	37	55	98	46	5	258		
Managers and administrators, except farm	131	18	50	—	194	6	76	26	341	92	82	65		
Salaried	—	—	—	—	45	10	50	26	287	83	60	60		
Self-employed	56	4	—	13	133	334	22	116	54	9	21	5		
Sales workers	20 132	578	515	361	4 603	156	596	1 832	761	62	11	149		
Clerical and kindred workers	1 168	56	71	27	363	11	138	198	6 318	4 243	1 603	2 817		
Bookkeepers	179	10	—	—	25	—	5	—	809	417	235	218		
Cashiers	95	5	—	—	33	8	8	48	18	20	5	—		
Counter clerks, except food	808	18	8	9	54	7	23	40	309	54	58	26		
File clerks	2 528	41	32	9	147	14	55	106	162	95	33	33		
Office machine operators	44	—	—	—	27	13	—	5	332	287	150	141		
Bookkeeping and billing machine operators	195	9	20	—	39	—	12	57	40	32	35	18		
Receptionists	7 962	212	215	164	1 125	53	170	576	146	84	35	783		
Secretaries	854	22	17	6	11	6	—	11	1 243	1 922	589	783		
Stenographers	3 625	78	52	76	315	21	69	151	29	80	18	—		
Typists	3 718	127	100	70	2 489	36	116	627	151	320	108	189		
Other clerical and kindred workers	1 491	50	174	25	616	48	254	151	2 119	764	396	1 360		
Craftsmen and kindred workers	246	8	9	4	64	14	130	25	2 066	230	218	428		
Foremen, n.e.c.	29 896	832	621	125	11 057	867	6 146	3 618	143	111	84	48		
Operatives, except transport	11 612	232	153	5	1 507	42	523	285	3 100	2 668	6 330	5 522		
Assemblers	3 320	189	26	21	301	68	318	434	75	194	855	273		
Checkers, examiners, and inspectors; manufacturing	961	5	18	—	314	24	152	584	341	591	679	518		
Packers and wrappers, except meat and produce	14 003	406	424	99	8 935	733	5 153	2 315	175	554	289	107		
Other operatives, except transport	281	—	3	—	38	—	—	45	2 509	1 329	4 507	4 624		
Transport equipment operatives	811	—	34	9	441	10	141	125	106	11	17	—		
Laborers, except farm	—	—	—	—	—	—	—	—	131	169	148	252		
Farm workers	1 800	20	34	12	455	8	29	64	—	—	—	—		
Service workers, including private household	955	9	24	6	72	3	16	52	149	302	98	160		
Personal service workers	108	5	—	—	44	5	5	6	110	154	57	39		
Other service workers, including private household	737	—	10	6	339	—	—	6	39	129	37	92		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More													
THE STATE													
Total employed													
Professional, technical, and kindred workers													
Accountants													
Architects													
Computer specialists													
Engineers													
Chemical													
Civil													
Electrical and electronic													
Industrial													
Mechanical													
Other engineers													
Mathematical specialists													
Life and physical scientists													
Chemists													
Physicists													
Personnel and labor relations workers													
Social scientists													
Engineering and science technicians													
Drafters													
Electrical and electronic engineering technicians													
Industrial and mechanical engineering technicians													
Technicians, except health, and engineering and science													
Writers, artists, and entertainers													
Other professional, technical, and kindred workers													
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers													
Other managers and administrators													
Salaried													
Self-employed													
Sales workers													
Clerical and kindred workers													
Bookkeepers													
Clerks													
Estimates and investigators, n.e.c.													
Office machine operators													
Shipping and receiving clerks													
Stock clerks and stockkeepers													
Other clerical and kindred workers													
Craftsmen and kindred workers													
Blacksmiths, forgersmen, hammermen, and boiler-makers													
Brickmasons and stonemasons													
Carpenters													
Cement masons													
Electricians													
Excavating, grading, and road machine operators													
Foremen, n.e.c.													
Mechanics and repairmen													
Automobile, including body													
Auto mechanics, job fitters, and toolmakers													
Metal craftsmen, except mechanics and machinists													
Painters, construction and maintenance, and plasterers and paperhangers													
Plumbers and pipe fitters													
Printing craftsmen													
Stationary engineers and power station operators													
Other craftsmen and kindred workers													
Operatives, except transport													
Assemblers													
Checkers, examiners, and inspectors; manufacturing													
Filers, polishers, sanders, and buffers													
Painters, machine operators													
Precision machine operatives													
Welders and flamecutters													
Other specified operatives													
Machine operatives, miscellaneous specified													
Machine operatives, not specified													
Miscellaneous operatives													
Other specified operatives													
Railroads and railway express service													
Trucking service and warehousing													
Other transportation													
Communications													
Utilities and sanitary services													
Wholesale trade													
General merchandise retailing													
Food stores													
Automotive dealers and gasoline stations													
Eating and drinking places													
Other retail trade													
Insurance													
Finance and real estate													

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
THE STATE—Continued													
Total employed—Continued													
Transport equipment operatives	3 282	21 838	12 328	165	3 749	14 124	1 707	1 962	1 723	1 112	6 500	46	241
Deliverymen and teamsters	42	1 945	99	62	1 444	7 185	1 362	1 208	710	908	3 659	10	50
Truck drivers	147	19 169	1 887	68	1 475	5 225	1 475	470	707	123	2 115	21	109
Other transport equipment operatives	3 093	19 724	11 342	35	2 130	1 714	133	284	306	81	726	15	82
Laborers, except farm	1 525	3 718	978	172	4 578	8 281	3 546	17 360	1 851	382	6 931	24	1 330
Freight, stock, and material handlers	265	3 368	560	60	2 136	5 965	3 352	16 941	341	181	3 906	5	53
Other specified laborers	72	129	226	41	1 354	870	85	125	1 218	34	2 111	11	1 009
Miscellaneous laborers	975	63	33	4	758	542	14	15	34	24	236	133	133
Not specified laborers	213	158	159	67	330	904	95	279	258	143	678	8	135
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	667	439	1 084	634	1 532	2 218	4 839	2 489	843	85 437	11 153	445	5 205
Cleaning service workers	218	276	316	464	1 477	1 477	1 255	844	705	2 198	1 743	353	3 813
Personal service workers	84	47	298	47	40	121	82	82	26	642	385	50	247
Guards and watchmen	90	95	98	41	188	167	434	84	30	48	132	15	446
Other service workers, including private household	305	24	380	82	308	453	2 808	1 479	82	82 549	8 893	27	699
Female employed	1 977	4 151	9 219	18 578	7 110	26 368	62 580	34 500	7 610	68 024	81 578	22 049	47 758
Professional, technical, and kindred workers													
Accountants	74	74	148	774	394	609	920	143	144	319	1 672	490	890
Computer specialists	46	43	38	82	115	214	213	46	110	5	212	277	485
Life and physical scientists	5	—	—	38	26	73	—	5	—	5	10	50	97
Registered nurses, dietitians, and therapists	—	—	—	4	—	5	—	—	—	—	—	—	—
Social scientists	5	—	—	11	—	20	19	6	12	26	19	30	17
Writers, artists, and entertainers	5	—	11	21	29	24	255	12	5	205	387	10	65
Other professional, technical, and kindred workers	13	26	99	460	209	175	402	77	5	35	1 033	123	217
Managers and administrators, except farm													
Salaried	31	102	531	436	124	1 030	3 192	1 854	419	2 920	5 144	786	3 271
Self-employed	31	99	495	429	120	160	2 937	1 010	242	1 512	3 561	776	3 036
Sales workers	—	3	36	7	4	—	255	—	177	1 408	1 563	10	241
Clerical and kindred workers	1 583	3 289	2 764	16 071	5 491	17 787	17 869	8 335	420	824	37 347	1 985	4 171
Bookkeepers	173	572	266	711	145	3 809	2 229	1 380	5 468	4 398	23 967	18 381	36 815
Cashiers	—	96	33	86	289	227	5 586	13 859	306	2 562	5 963	1 276	5 112
Counter clerks, except food	5	35	5	289	45	356	677	122	174	133	4 479	188	475
File clerks	68	77	8	357	148	526	535	90	174	12	250	22	51
Office machine operators	270	207	68	458	184	1 073	553	347	145	37	522	1 484	1 044
Bookkeeping and billing machine operators	12	20	—	22	23	142	62	25	108	6	322	846	2 463
Receptionists	—	4	34	80	56	316	139	19	89	16	59	33	1 025
Secretaries	230	870	526	980	1 112	5 419	1 229	410	911	245	3 900	205	508
Stenographers	113	5	21	38	240	173	18	5	42	—	3 000	5 924	6 498
Typists	107	429	178	940	540	1 671	911	139	809	51	7 848	3 521	3 100
Other clerical and kindred workers	617	994	1 625	12 112	2 446	4 217	5 992	974	410	284	1 600	4 686	17 395
Craftsmen and kindred workers													
Foremen, n.e.c.	88	67	69	634	185	536	891	833	238	199	2 232	116	136
Operatives, except transport	—	15	26	170	40	131	461	120	5	14	285	94	86
Assemblers	2	160	66	111	108	3 304	1 101	2 990	619	165	2 787	41	166
Checkers, runners, and inspectors, manufacturing	—	—	9	—	7	216	—	—	20	6	41	5	—
Packers and trimmers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	2	64	13	5	—	1 299	409	500	28	67	213	—	10
Transport equipment operatives	—	96	44	106	97	1 789	685	2 490	571	92	2 533	36	156
Laborers, except farm	34	313	5 150	16	387	177	262	33	76	73	149	—	10
Farm workers	54	64	60	43	66	836	773	1 552	55	62	779	4	64
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	97	76	272	339	246	514	3 252	1 395	171	59 064	7 501	246	2 229
Personal service workers	33	48	270	220	66	112	112	66	98	548	188	31	1 650
Other service workers, including private household	46	9	113	37	30	35	299	69	10	368	301	27	403

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 - Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More												
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertain- ment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organiza- tions	Other professional and related services	Public adminis- tration
THE STATE												
Total employed.....	45 349	38 189	18 939	97 246	21 677	123 960	67 632	198 066	69 648	42 535	74 503	124 954
Professional, technical, and kindred workers.....	8 598	933	588	2 251	3 953	41 402	24 258	117 483	38 520	17 552	37 180	16 227
Accountants.....	1 388	122	180	44	74	431	72	373	106	262	5 594	2 969
Architects.....	16	—	—	10	—	—	—	40	—	12	1 341	39
Computer specialists.....	746	24	—	15	—	109	66	550	198	79	394	815
Engineers.....	836	111	4	47	26	98	133	659	120	116	3 695	1 691
Chemical.....	17	—	—	5	—	—	—	34	—	37	—	—
Civil.....	20	5	—	4	—	—	30	85	9	14	857	460
Electrical and electronic.....	97	32	—	4	11	9	—	217	39	13	449	93
Industrial.....	187	24	—	—	9	26	6	25	13	11	280	304
Mechanical.....	140	8	4	18	9	11	4	75	13	9	450	13
Other engineers.....	375	42	—	16	6	52	93	223	46	69	1 157	384
Mathematical specialists.....	50	—	—	—	—	19	21	43	9	20	40	101
Life and physical scientists.....	152	—	—	—	3	311	197	607	148	71	250	483
Chemists.....	88	—	—	—	—	116	65	160	54	6	97	108
Personal and labor relations workers.....	1 077	13	43	42	44	378	131	376	149	192	131	1 541
Social scientists.....	313	—	—	16	—	308	160	502	92	101	167	477
Engineering and science technicians.....	1 494	93	—	54	60	133	57	957	486	109	4 766	1 066
Draftsmen.....	1 024	50	—	35	—	14	6	83	44	85	3 804	310
Electrical and electronic engineering technicians.....	53	23	—	5	30	16	6	147	50	4	36	215
Industrial and mechanical engineering technicians.....	5	—	—	—	—	4	—	19	11	5	10	36
Technicians, except health, and engineering and science.....	38	46	—	108	7	124	57	167	72	73	73	1 051
Writers, artists, and entertainers.....	1 948	479	169	1 417	2 521	39 491	23 308	938	540	1 745	2 459	482
Other professional, technical, and kindred workers.....	540	479	192	498	1 213	745	—	112 271	36 581	14 900	18 270	5 512
Managers and administrators, except farm.....	4 390	3 065	2 642	4 608	2 622	2 506	1 930	9 111	3 472	4 278	2 289	14 100
Buyers, purchasing agents, and sales managers.....	429	94	45	66	62	255	38	176	96	35	76	421
Other managers and administrators.....	3 961	2 971	2 597	4 542	2 560	2 251	1 892	8 935	3 376	4 243	2 213	13 679
Salaried.....	3 086	1 852	2 379	2 720	1 912	2 245	1 476	8 935	3 275	4 223	2 034	13 679
Self-employed.....	875	1 119	1 218	1 822	648	6	416	—	101	20	179	—
Sales workers.....	2 700	883	68	980	774	179	66	245	308	390	596	333
Clerical and kindred workers.....	14 551	4 565	3 004	8 710	2 913	20 256	11 937	32 212	12 390	10 553	19 561	52 788
Bookkeepers.....	1 319	990	495	903	448	1 242	1 242	1 445	361	991	2 294	2 475
Cashiers.....	76	377	203	395	958	477	18	974	74	97	74	235
Examiners and investigators, n.e.c.....	374	195	11	34	11	65	11	35	20	77	162	1 037
Office machine operators.....	1 837	82	27	103	26	567	107	672	295	227	823	1 359
Shipping and receiving clerks.....	87	35	5	37	10	130	21	101	51	12	56	98
Stock clerks and stockkeepers.....	92	70	—	108	10	510	38	324	65	54	34	830
Other clerical and kindred workers.....	10 544	2 831	2 243	7 130	1 450	17 268	10 500	28 701	11 070	9 075	16 118	46 754
Craftsmen and kindred workers.....	3 264	18 826	451	2 279	1 468	2 116	1 490	4 191	1 240	895	1 617	5 578
Blacksmiths, forgers, hammermen, and boilermakers.....	6	116	—	4	—	17	4	23	8	25	4	19
Brickmasons and stonemasons.....	6	—	—	5	—	16	5	15	10	6	43	220
Carpenters.....	108	45	83	89	33	272	25	362	108	77	43	220
Cranemen, derrickmen, and hoistmen.....	80	6	—	7	—	—	—	—	5	—	58	58
Electricians.....	40	103	35	5	19	204	12	202	102	85	58	255
Excavating, grading, and road machine operators.....	55	44	—	4	40	8	6	9	17	9	37	37
Foremen, n.e.c.....	397	381	63	338	99	273	125	591	144	116	252	1 053
Mechanics and repairmen.....	1 124	15 007	102	332	593	355	71	914	232	78	194	2 357
Automobile, including body.....	145	9 474	—	52	23	15	16	329	90	12	24	2 806
Machinists, job setters, and toolmakers.....	44	251	—	51	8	20	5	81	15	10	153	71
Metal craftsmen, except mechanics and machinists.....	94	39	5	7	5	—	6	50	—	—	124	17
Painters, construction and maintenance, and plasterers and paperhangers.....	128	228	59	129	43	298	32	243	91	37	267	267
Plumbers and pipe fitters.....	106	11	13	22	10	102	5	224	62	67	28	95
Printing craftsmen.....	159	6	—	15	10	46	15	219	102	47	41	93
Stationary engineers and power station operators.....	32	—	51	30	33	276	37	492	63	35	36	214
Other craftsmen and kindred workers.....	891	2 579	40	1 241	575	229	1 142	766	281	120	665	491
Operatives, except transport.....	2 153	4 198	362	12 576	334	2 871	765	1 282	534	425	1 194	1 100
Assemblers.....	88	88	—	68	12	—	10	5	6	38	106	55
Checkers, examiners, and inspectors; manufacturing.....	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers.....	15	72	—	9	—	5	11	—	—	—	5	7
Painters, manufactured articles.....	10	644	6	19	—	6	—	—	—	—	58	35
Precision machine operators.....	21	301	—	7	—	—	—	19	—	6	89	63
Welders and flamecutters.....	1 424	1 424	—	—	11	11	—	32	30	19	702	615
Other specified operatives.....	1 239	1 287	333	12 201	213	2 626	682	877	248	212	702	615
Machine operatives, miscellaneous specified.....	184	138	4	108	42	82	18	219	54	19	69	60
Machine operatives, not specified.....	92	33	10	22	40	26	12	28	15	15	28	99
Miscellaneous operatives.....	419	174	4	67	45	78	13	219	171	94	72	132
Not specified operatives.....	57	37	5	70	5	23	17	24	10	22	56	28

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More											
THE STATE—Continued											
Total employed—Continued											
Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
886	1 550	66	2 249	167	285	193	933	258	237	196	1 559
304	121	20	1 622	48	77	61	151	39	29	46	86
357	500	6	273	62	47	27	137	76	137	68	195
225	929	40	354	72	132	105	600	157	71	82	278
714	2 566	352	2 136	1 261	721	190	987	400	355	365	3 037
233	65	10	473	95	302	15	190	79	127	31	1 173
158	1 987	199	1 007	963	311	72	616	252	134	296	1 463
39	286	16	124	53	13	5	30	5	13	111	5
284	228	127	532	150	108	98	151	64	81	38	290
—	—	—	—	—	—	—	—	—	—	—	—
8 093	1 403	11 406	61 457	8 185	53 624	26 803	31 422	12 506	7 920	11 505	30 232
4 941	1 518	4 850	1 495	1 518	8 176	2 593	15 045	5 475	4 218	3 314	3 314
195	117	2 182	24 366	2 386	1 270	706	4 998	2 083	1 456	270	612
2 549	43	38	40	92	444	63	277	231	91	82	2 228
408	959	4 336	35 582	4 189	43 734	23 441	11 302	4 717	2 155	10 519	24 078
19 665	5 904	11 878	73 372	8 947	98 220	48 749	118 939	44 612	21 253	37 334	42 662
2 309	196	274	935	1 518	32 278	10 298	69 826	24 461	5 919	9 544	4 019
108	33	68	23	37	248	45	149	38	126	1 067	879
13	—	—	—	—	23	27	91	58	5	247	56
79	—	16	245	—	157	100	105	49	—	34	269
14	11	88	6	—	24 161	6 755	1 060	328	250	118	43
418	152	102	466	709	107	25	177	27	137	542	137
962	191	878	1 269	373	7 532	3 337	67 873	23 710	4 307	7 638	2 388
642	101	404	871	274	973	1 104	2 040	1 280	848	584	2 471
162	90	474	398	99	—	334	—	1 247	839	562	2 471
597	187	49	619	533	125	49	164	146	179	225	196
12 288	3 547	2 203	8 015	2 284	18 819	11 586	28 656	11 027	9 521	17 651	32 003
1 124	859	387	1 328	1 186	1 141	1 186	1 328	492	870	1 955	1 955
57	255	199	385	715	453	12	831	308	93	74	191
85	44	652	3 179	129	20	20	131	48	31	5	35
467	54	14	69	9	690	585	585	305	177	229	1 037
1 576	47	21	76	20	210	100	463	191	184	664	1 047
38	5	17	16	15	108	14	14	4	38	37	103
358	75	131	958	50	2 042	3 936	779	430	398	364	299
3 494	621	338	670	478	4 924	3 830	11 460	5 037	5 246	7 093	5 347
212	10	6	12	21	174	106	245	60	174	164	1 164
1 541	221	26	221	126	2 520	948	1 077	1 101	1 337	5 327	5 327
3 374	1 993	429	1 665	344	6 146	1 238	2 157	3 055	1 211	6 066	15 601
216	525	45	490	23	262	337	640	201	71	167	90
39	—	7	147	4	125	71	114	43	30	27	39
914	521	279	9 806	75	1 891	578	357	227	236	480	129
49	17	—	61	4	—	—	—	6	38	51	11
271	32	—	9 604	71	22	—	—	5	—	—	—
594	472	279	—	—	1 869	573	345	216	187	392	118
55	90	4	75	20	32	55	390	88	25	32	62
113	157	67	604	68	288	82	116	73	57	50	408
—	—	—	—	—	—	—	—	—	—	—	—
2 531	490	8 079	51 559	4 053	43 552	24 660	16 750	7 109	4 397	8 601	3 284
2 171	70	423	739	5	5 007	1 751	5 007	1 431	1 431	2 601	619
173	354	1 697	16 840	831	952	646	4 234	1 701	1 662	228	363
187	—	2 716	33 980	2 799	37 593	22 263	9 572	3 977	1 731	8 153	2 302

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing																
	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Total	Durable goods											Electrical machinery, equipment, and supplies
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical						
DETROIT SMSA	1 570 953	7 593	1 819	67 810	587 981	4 651	9 052	27 060	5 584	43 698	89 813	12 383					
Total employed	232 874	629	172	2 457	67 842	201	551	1 488	418	2 607	10 472	2 260					
Professional, technical, and kindred workers	16 187	—	14	355	6 069	48	78	141	48	434	813	126					
Accountants	1 249	94	—	—	—	—	—	—	—	—	—	—					
Architects	5 754	10	18	40	2 985	52	164	505	6	1 118	4 181	1 058					
Computer specialists	33 784	29	42	1 207	24 001	—	21	6	—	10	29	—					
Engineers	801	—	—	—	700	—	—	—	—	—	—	—					
Chemical	2 182	15	11	878	323	—	17	32	—	—	—	—					
Civil	3 740	—	—	—	1 947	—	11	19	—	—	—	—					
Electrical and electronic	5 598	4	13	43	4 584	23	46	183	65	341	518	551					
Industrial	12 764	5	8	125	10 954	10	14	35	28	238	1 580	28					
Mechanical	8 699	5	10	125	5 493	19	55	230	66	451	1 667	293					
Other engineers	657	—	—	—	379	5	—	12	—	—	30	6					
Mathematical specialists	2 553	9	—	22	1 741	—	25	146	17	56	152	20					
Life and physical scientists	1 953	—	6	—	1 536	—	19	146	17	56	142	10					
Chemists	7 250	10	14	68	2 966	4	43	132	20	146	330	52					
Personnel and labor relations workers	3 083	—	5	—	1 696	—	9	10	—	—	—	—					
Social scientists	21 801	27	36	498	14 230	44	116	326	78	551	2 753	40					
Engineering and science technicians	12 893	13	20	270	7 881	27	37	98	25	368	1 796	305					
Draftsmen	1 769	—	—	31	1 040	—	6	4	8	28	391	8					
Electrical and electronic engineering technicians	2 036	—	—	—	1 913	—	14	55	11	33	175	27					
Industrial and mechanical engineering technicians	17 267	98	14	16	7 296	6	7	32	20	10	77	20					
Technicians, except health, and engineering and science	121 694	362	14	69	7 422	12	33	102	60	160	875	168					
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—					
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—					
Managers and administrators, except farm	111 528	215	77	6 970	25 415	434	610	902	310	2 499	5 368	905					
Buyers, purchasing agents, and sales managers	17 136	11	11	359	5 661	105	119	140	67	524	1 090	272					
Other managers and administrators	94 392	204	66	6 631	19 754	329	491	762	243	1 975	4 278	633					
Salaried	78 724	88	44	4 809	18 184	237	440	739	221	1 747	3 831	584					
Self-employed	15 668	136	22	1 802	1 570	92	51	23	22	228	447	49					
Sales workers	112 095	88	53	881	12 350	247	214	282	177	969	1 556	415					
Clerical and kindred workers	293 315	530	353	5 758	70 876	607	1 047	2 428	693	5 116	10 157	1 996					
Bookkeepers	28 632	112	40	249	6 341	154	127	205	97	684	1 056	209					
Cashiers	18 559	44	—	5	289	—	6	12	—	—	—	—					
Estimators and investigators, n.e.c.	6 738	—	12	863	1 369	21	9	36	12	139	279	28					
Office machine operators	14 183	4	15	84	4 907	62	62	176	52	161	452	97					
Shipping and receiving clerks	9 233	4	—	—	5 318	81	90	227	66	796	783	144					
Stock clerks and storekeepers	11 028	4	14	91	5 875	33	76	118	48	373	889	170					
Other clerical and kindred workers	204 942	366	272	3 422	46 777	297	677	1 654	418	2 963	6 493	1 348					
Craftsmen and kindred workers	239 647	400	504	38 424	135 169	1 122	1 670	9 840	1 150	10 913	24 693	2 246					
Blacksmiths, forgers, hammers, and boilermakers	1 486	—	—	101	1 556	3	—	247	17	292	95	—					
Brickmasons and stonemasons	3 481	16	—	2 674	6 341	—	18	361	11	29	28	—					
Carpenters	10 460	73	17	7 800	1 367	216	32	142	10	88	122	17					
Cranemen, derrickmen, and hoistmen	4 664	3	45	581	3 492	15	109	328	41	269	243	38					
Electricians	10 407	5	18	3 446	5 515	—	78	598	44	323	655	275					
Excavating, grading, and road machine operators	3 128	25	47	2 170	421	10	13	157	7	10	14	—					
Foremen, n.e.c.	39 337	143	118	2 554	27 774	240	478	1 740	310	2 680	3 753	487					
Foremen, except body	52 131	64	162	1 928	23 490	59	441	1 774	124	2 441	3 511	311					
Mechanics and repairmen	22 702	10	22	1 230	9 112	11	56	20	—	76	21	—					
Automobile, including body	34 759	6	15	54	33 846	35	173	560	294	3 839	13 591	432					
Mechanists, job setters, and toolmakers	15 742	5	3	1 689	13 481	77	76	2 167	227	1 196	2 063	119					
Metal craftsmen, except mechanics and machinists	6 167	5	—	3 631	1 279	34	—	25	4	42	137	24					
Painters, construction and maintenance, and plasterers and paperhangers	8 246	11	48	3 924	3 127	—	61	355	9	112	275	55					
Plumbers and pipe fitters	6 384	—	5	—	5 719	5	—	115	—	36	74	—					
Printing craftsmen	3 437	—	5	67	1 309	—	12	110	16	102	101	—					
Stationary engineers and power station operators	39 818	44	21	7 751	12 517	428	145	861	36	674	674	—					
Other craftsmen and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—					
Operatives, except transport	262 467	135	455	3 297	218 363	1 522	3 306	7 532	2 361	17 633	32 988	4 016					
Assemblers	40 797	12	12	37	40 024	284	219	229	101	1 465	4 230	1 416					
Checkers, examiners, and inspectors; manufacturing	23 101	—	—	—	23 101	69	433	567	244	1 485	3 073	422					
Filers, polishers, sanders, and buffers	4 627	—	—	25	4 408	53	123	54	88	596	461	38					
Painters, manufactured articles	4 120	—	—	—	3 554	71	43	55	21	312	207	45					
Precision machine operators	25 058	—	8	104	24 488	28	30	606	149	823	1 178	355					
Welders and flamecutters	18 267	2	37	715	15 982	66	772	730	81	2 340	1 423	185					
Other specified operatives	89 576	77	398	1 821	55 966	232	722	2 254	650	5 222	3 918	580					
Machine operatives, miscellaneous specified	20 878	15	—	—	19 217	43	704	2 145	588	2 522	3 216	244					
Machine operatives, not specified	16 179	16	—	213	15 129	84	213	456	192	1 395	2 226	245					
Miscellaneous operatives	12 303	8	—	170	9 645	157	443	725	189	705	1 457	537					
Not specified operatives	7 561	5	—	95	6 849	55	194	711	58	607	1 457	155					

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing									
					Total	Durable goods								Total
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies		
DETROIT SMSA — Continued														
Total employed — Continued														
Transport equipment operatives														
Deliverymen and routemen	59 267	114	96	2 216	19 218	234	716	1 012	205	1 414	1 109	105		
Truck drivers	12 875	28	8	1 156	3 208	52	79	48	—	152	116	16		
Other transport equipment operatives	24 563	66	75	1 736	9 798	117	447	449	126	453	452	50		
	21 829	20	13	324	9 798	65	190	515	—	809	541	39		
Laborers, except farm														
Freight, stock, and material handlers	61 855	1 659	67	7 075	20 884	168	669	2 675	134	1 622	1 548	195		
Other specified laborers	31 398	17	43	208	9 897	78	398	469	54	853	109	15		
Miscellaneous laborers	19 079	1 625	13	6 835	3 807	50	68	371	28	268	357	71		
Not specified laborers	3 999	4	5	—	2 556	6	—	968	39	350	373	—		
	7 379	13	6	32	4 624	34	153	867	—	—	—	—		
Farm workers														
	3 691	3 691	—	—	—	—	—	—	—	—	—	—		
Service workers, including private household														
Cleaning service workers	194 214	132	42	732	17 864	116	269	901	136	925	1 922	245		
Personal service workers	42 617	56	22	504	11 140	95	215	632	85	708	1 432	156		
Guards and watchmen	20 356	4	4	23	385	—	4	—	—	—	49	—		
Other service workers, including private household	7 938	12	20	76	3 416	5	32	218	34	143	286	54		
	123 303	60	—	129	2 923	16	18	51	17	74	155	35		
Female employed														
	555 546	1 885	275	5 283	99 614	1 143	2 303	1 726	1 068	8 206	13 441	3 574		
Professional, technical, and kindred workers														
Accountants	81 598	77	—	176	3 982	29	77	68	11	181	520	154		
Computer specialists	3 806	—	—	83	769	5	9	4	—	90	179	34		
Life and physical scientists	904	—	—	—	364	—	5	19	6	6	79	16		
Registered nurses, dietitians, and therapists	15 214	9	—	—	184	—	12	21	—	24	72	5		
Social scientists	3 321	6	—	—	563	—	5	—	—	—	—	—		
Writers, artists, and entertainers	3 727	25	—	13	734	5	—	6	5	5	47	6		
Other professional, technical, and kindred workers	57 281	37	—	80	1 316	19	46	18	—	56	137	88		
Managers and administrators, except farm														
Salaried	17 043	34	—	237	1 190	21	46	58	9	145	297	31		
Self-employed	14 490	14	—	187	1 050	21	38	58	9	137	266	26		
	2 553	20	—	50	140	—	8	—	—	8	31	5		
Sales workers														
	47 758	26	9	133	949	7	4	—	21	24	35	7		
Clerical and kindred workers														
Bookkeepers	216 177	465	219	3 788	39 446	403	650	977	437	2 881	6 189	1 400		
Cashiers	23 342	97	24	1 047	4 106	139	107	109	77	541	816	170		
Counter clerks, except food	16 922	44	3	—	197	5	—	5	—	—	5	—		
File clerks	6 702	—	3	7	383	5	11	—	—	3	—	14		
Office machine operators	10 975	4	15	75	1 289	8	49	5	15	233	44	44		
Bookkeeping and billing machine operators	1 337	—	—	61	3 348	14	47	118	34	124	430	77		
Receptionists	6 646	—	—	4	198	5	9	25	—	30	30	—		
Secretaries	52 439	81	—	118	604	5	5	24	—	49	142	32		
Stenographers	2 958	123	62	1 552	14 590	126	226	317	162	1 069	2 483	657		
Typists	23 098	26	11	33	917	4	4	51	—	11	92	—		
Other clerical and kindred workers	69 117	90	77	528	4 881	14	82	131	57	18	817	163		
					9 131	96	160	217	92	654	1 133	232		
Craftsman and kindred workers														
Foremen, n.e.c.	8 814	10	—	482	3 961	71	51	138	56	223	558	137		
	1 962	—	—	54	679	19	12	16	21	49	63	10		
Operatives, except transport														
Assemblers	59 594	26	42	80	45 623	573	1 372	358	484	4 350	5 468	1 767		
Checkers, examiners, and inspectors; manufacturing	9 014	5	—	5	145	139	139	25	60	572	1 574	806		
Packers and wrappers, except meat and produce	4 439	—	—	—	4 639	21	304	37	62	415	833	154		
Other operatives, except transport	4 727	—	—	—	2 853	36	73	10	45	128	120	60		
	40 314	21	42	75	28 447	371	856	286	317	3 235	2 941	747		
Transport equipment operatives														
	2 897	—	—	40	381	—	5	16	6	37	4	—		
Laborers, except farm														
	5 339	281	—	177	1 602	12	64	71	21	276	126	39		
Farm workers														
	904	904	—	—	—	—	—	—	—	—	—	—		
Service workers, including private household														
Cleaning service workers	115 422	62	5	170	2 480	27	34	40	23	89	244	39		
Personal service workers	13 420	20	5	127	1 241	20	29	29	16	57	155	13		
Other service workers	13 985	4	—	7	1 135	—	—	—	—	—	13	—		
Other service workers, including private household	88 017	38	—	36	1 104	7	5	11	7	—	76	26		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

Manufacturing - Continued														
Durable goods - Continued					Nondurable goods									
Motor vehicles and motor equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing		
DETROIT SMSA														
Total employed														
266 369	2 995	2 433	2 594	38 964	15 182	969	5 383	4 457	19 415	16 943	10 539	9 497		
Professional, technical, and kindred workers														
37 545	480	692	635	2 856	435	79	171	179	2 181	2 950	1 067	575		
3 377	34	55	52	128	130	28	22	40	125	179	169	42		
97	—	—	—	9	—	—	—	—	5	—	—	—		
—	—	—	15	27	14	—	—	—	73	—	—	10		
1 968	5	15	15	27	58	25	60	56	23	632	470	149		
13 961	238	322	317	448	58	6	—	—	23	333	68	32		
188	—	—	—	—	—	—	—	—	—	10	6	—		
202	5	7	—	—	—	—	—	—	—	33	6	—		
738	29	40	54	20	9	—	—	—	18	33	80	23		
2 880	52	29	46	68	16	3	30	21	5	51	78	18		
8 246	39	195	115	119	12	5	10	35	5	31	217	67		
1 707	113	42	102	241	21	11	20	—	—	136	—	—		
Mathematical specialists														
315	—	—	—	5	7	—	—	12	—	6	29	42		
—	—	6	—	19	—	—	6	12	—	793	29	42		
—	—	6	—	19	—	—	6	12	—	668	29	42		
—	—	13	—	61	44	—	10	4	25	75	45	10		
—	15	—	30	—	36	—	—	—	—	35	21	—		
—	9	14	90	273	47	18	20	21	52	798	237	85		
—	102	146	90	273	73	5	3	5	33	35	58	—		
—	50	108	56	148	13	—	—	—	13	10	—	—		
—	13	5	15	28	6	—	5	4	—	38	24	—		
—	15	—	4	19	—	—	—	—	—	—	—	—		
—	—	—	10	—	—	—	—	—	—	—	—	—		
—	11	91	56	163	37	3	34	21	1 803	57	13	34		
—	50	30	56	—	62	5	15	21	96	302	69	203		
—	16	30	56	1 690	—	—	—	—	—	—	—	—		
Managers and administrators, except farm														
6 642	226	160	127	1 530	1 071	66	241	289	1 578	1 327	637	493		
—	31	39	35	218	227	10	46	50	537	354	110	64		
—	195	121	92	1 312	844	56	195	239	1 041	973	527	429		
—	190	116	87	1 122	788	46	159	223	1 041	926	482	407		
—	5	5	5	190	56	10	36	16	177	47	45	22		
Sales workers														
1 112	17	26	5	937	864	118	290	269	2 629	1 085	284	854		
Clerical and kindred workers														
31 578	361	292	476	3 857	1 547	109	441	528	3 994	2 798	1 449	1 402		
2 031	34	16	37	235	289	5	85	69	387	323	194	104		
167	—	—	—	—	55	—	—	—	—	15	—	—		
—	—	—	6	14	—	—	—	25	56	29	16	6		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	43	103	95	5	13	18	230	170	142	35		
—	14	18	43	103	214	11	58	82	206	271	177	84		
—	19	13	10	168	84	—	39	10	37	108	119	45		
—	30	41	59	84	88	—	—	324	3 058	1 882	801	1 119		
—	255	199	321	3 233	806	78	246	—	—	—	—	—		
Craftsmen and kindred workers														
59 370	507	508	469	7 752	2 285	122	647	739	5 996	2 683	1 290	1 167		
437	—	—	10	13	5	—	—	—	10	7	4	—		
—	5	—	—	8	—	—	—	—	—	—	—	—		
—	—	—	—	—	15	—	4	10	6	82	11	6		
—	—	70	—	123	5	—	—	—	—	6	5	—		
—	6	—	18	20	42	—	35	34	29	146	63	43		
—	11	11	24	30	—	—	—	—	—	11	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
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—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—												

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 — Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More													
DETROIT SMSA — Continued													
Total employed— Continued													
Durable goods— Continued					Manufacturing — Continued								
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing	
8 525	60	32	43	1 216	2 466	37	103	229	623	476	210	383	
345	15	5	18	85	1 782	14	19	21	360	56	41	36	
2 718	28	5	—	225	389	23	52	72	229	221	92	122	
5 462	17	22	25	926	315	6	52	136	34	199	77	225	
Laborers, except farm													
9 003	39	96	64	1 631	949	37	149	138	344	674	356	393	
5 271	25	28	51	1 182	544	27	113	83	234	379	176	107	
1 103	—	24	—	1 241	91	4	—	6	16	73	24	186	
869	—	8	—	1 111	77	—	—	6	11	20	50	24	
1 760	14	36	13	139	237	6	32	43	83	202	106	66	
Farm workers													
—	—	—	—	—	—	—	—	—	—	—	—	—	
9 586	99	55	90	1 406	456	19	95	100	330	598	217	289	
6 039	51	46	43	298	288	14	61	93	201	428	146	109	
226	5	—	—	35	15	5	5	—	7	21	8	2	
2 254	43	9	30	61	28	—	20	7	57	92	39	4	
1 067	—	—	17	1 012	125	—	9	—	65	57	24	181	
Female employed													
33 460	480	259	387	7 850	3 745	371	3 006	1 386	6 017	4 188	3 912	3 092	
Professional, technical, and kindred workers													
1 325	17	20	25	170	59	3	45	57	607	499	73	42	
244	—	—	—	24	4	—	—	20	3	50	33	—	
209	—	5	—	—	—	—	—	8	—	12	—	—	
12	—	—	—	—	—	—	—	—	—	—	—	—	
341	—	6	14	8	5	—	10	5	5	35	5	—	
31	—	—	—	—	5	—	—	—	—	—	6	—	
83	—	—	6	9	—	3	25	—	512	17	5	—	
405	17	9	5	129	28	—	10	24	27	232	24	42	
92	—	10	—	120	76	6	30	6	145	39	39	20	
92	—	10	—	91	76	6	10	6	124	33	27	124	
—	—	—	—	29	—	—	20	—	21	6	12	—	
Self-employed													
36	—	—	—	82	229	16	57	6	293	56	—	76	
Sales workers													
14 868	229	148	274	2 371	985	78	234	353	3 008	1 927	994	1 040	
769	20	8	17	181	215	—	66	59	338	229	169	76	
122	—	—	—	11	30	—	—	4	15	15	9	—	
26	—	—	—	21	22	8	—	—	170	26	5	—	
469	9	8	9	19	33	8	5	13	48	38	42	26	
1 812	14	18	4	63	81	5	9	18	283	128	120	29	
167	—	—	—	15	13	—	—	—	79	21	19	6	
168	4	—	—	15	13	—	—	—	41	19	306	247	
6 300	101	52	115	500	269	28	102	123	616	791	4	—	
11	—	—	6	5	—	6	—	5	4	65	4	—	
628	20	21	67	165	52	16	38	36	575	229	68	63	
1 893	20	21	56	1 391	265	8	14	95	955	365	261	575	
2 478	50	34	—	—	—	—	—	—	—	—	—	—	
Other clerical and kindred workers													
911	4	17	4	218	227	34	55	42	859	120	71	165	
152	—	—	4	26	60	10	38	6	86	58	39	14	
Foremen, n.e.c.													
Operatives, except transport													
14 412	220	55	68	4 393	1 948	221	2 539	878	920	1 322	2 608	1 667	
5 001	45	15	12	413	29	5	199	91	23	63	116	363	
1 504	35	10	12	125	100	8	136	33	119	363	205	173	
468	—	—	—	181	127	5	53	157	60	218	74	28	
7 439	140	30	56	3 674	692	203	2 151	597	718	678	1 966	1 350	
Other operatives, except transport													
173	—	—	—	20	32	—	—	4	45	7	12	—	
Transport equipment operatives													
390	—	—	4	210	101	5	38	16	38	93	66	32	
Laborers, except farm													
—	—	—	—	—	—	—	—	—	—	—	—	—	
Farm workers													
—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household													
1 253	10	9	12	266	88	8	8	24	82	125	49	50	
647	5	9	6	34	16	3	—	24	48	90	31	48	
—	—	—	—	—	—	—	—	—	—	—	—	—	
530	—	—	6	210	67	—	—	—	—	—	—	—	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Railroads and railway express service	Trucking service and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
								General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
DETROIT SMSA													
Accountants	376	8 770	21 290	14 739	20 523	22 076	65 698	48 655	38 813	30 178	50 263	78 118	48 587
Architects	128	376	298	564	2 590	2 590	3 785	1 210	388	267	693	3 534	2 188
Computer specialists	42	128	106	78	263	263	518	211	77	102	81	247	859
Engineers	68	42	19	5	119	110	270	83	39	4	5	50	18
Chemical	40	68	30	58	886	832	1 483	73	37	37	5	178	327
Civil	40	40	4	4	29	114	40	6	10	—	—	6	60
Electrical and electronic	4	4	4	5	769	424	39	5	4	10	—	10	14
Industrial	4	4	16	4	24	52	39	29	12	5	—	21	5
Mechanical	8	8	6	49	144	144	152	9	32	5	—	32	21
Other engineers	16	16	4	64	66	1 177	1 177	24	11	22	5	90	20
Mathematical specialists	5	5	—	—	19	—	26	5	—	—	—	11	11
Life and physical scientists	—	—	—	—	10	50	52	—	—	—	—	13	—
Chemists	—	—	—	—	4	44	40	—	—	—	—	9	—
Personnel and labor relations workers	52	52	68	75	249	155	236	294	83	—	48	167	218
Social scientists	6	6	5	10	40	62	135	17	17	17	—	4	123
Engineering and science technicians	27	27	—	27	321	431	431	51	11	16	4	133	46
Draftsmen	8	8	—	—	84	240	123	41	5	5	—	85	37
Electrical and electronic engineering technicians	3	3	—	4	216	76	52	10	—	5	4	25	—
Industrial and mechanical engineering technicians	5	5	—	—	5	—	24	—	—	—	—	5	5
Technicians, except health, and engineering and science	27	27	22	22	84	88	33	—	—	11	—	20	11
Writers, artists, and entertainers	9	9	24	34	549	191	342	316	46	42	525	384	134
Other professional, technical, and kindred workers	39	39	19	65	160	310	407	158	74	38	30	2 327	381
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	1 117	1 117	1 160	1 109	1 416	737	8 448	4 570	4 709	4 627	5 025	9 351	8 590
Other managers and administrators	48	48	88	97	94	55	2 673	2 558	3 751	2 191	4 900	2 191	285
Salaried	1 069	1 069	921	1 012	1 322	682	5 775	2 012	3 751	4 099	4 900	7 160	8 305
Self-employed	—	—	151	69	1 317	650	4 905	1 812	2 141	2 532	2 698	4 964	7 766
Sales workers													
Clerical and kindred workers	84	84	306	274	402	337	13 872	21 277	6 177	5 006	739	29 649	8 595
Bookkeepers	2 745	2 745	3 877	3 550	9 764	4 822	15 575	11 739	10 291	3 350	2 726	14 506	24 216
Cashiers	329	329	416	189	1 211	305	2 491	1 332	712	1 211	448	2 570	2 847
Estimators and investigators, n.e.c.	5	5	35	87	51	47	216	2 922	7 191	186	1 842	2 959	294
Office machine operators	102	102	103	182	299	335	199	541	38	48	251	450	1 028
Shipping and receiving clerks	416	416	130	64	299	156	810	480	290	118	24	242	1 902
Stock clerks and storekeepers	87	87	709	33	82	33	1 315	466	190	52	14	458	29
Other clerical and kindred workers	1 718	1 718	2 319	3 019	8 740	3 768	9 509	5 303	1 191	1 596	381	7 392	18 064
Craftsmen and kindred workers													
Blacksmiths, farriers, harnessmen, and boilermakers	2 086	2 086	1 876	1 579	5 648	7 578	6 479	2 640	1 696	6 717	306	6 813	835
Brickmasons and stonemasons	20	20	—	—	7	80	14	—	6	7	—	6	7
Carpenters	11	11	18	18	—	42	14	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	19	19	23	23	—	62	105	61	18	38	17	129	119
Electricians	52	52	5	29	8	66	315	20	—	10	—	120	42
Excavating, grading, and road machine operators	22	22	24	8	5	439	147	20	—	6	5	—	—
Foremen, n.e.c.	181	181	551	188	508	154	1 687	857	483	214	79	712	199
Mechanics and repairmen	563	563	939	1 100	1 501	1 962	2 465	936	181	6 177	56	1 796	101
Automobile, including body	—	—	849	414	61	174	580	216	88	5 936	5	141	10
Machinists, job setters, and toolmakers	23	23	16	24	—	78	190	17	—	58	5	13	16
Metal craftsmen, except mechanics and machinists	—	—	24	12	—	34	118	5	—	4	—	76	—
Painters, construction and maintenance, and plasterers and paperhangers	9	9	10	2	—	34	85	35	—	55	5	38	126
Pumbers and pipe fitters	22	22	10	16	72	349	90	—	—	11	—	186	36
Printing craftsmen	—	—	16	16	—	26	46	91	9	—	—	21	16
Stationary engineers and power station operators	—	—	22	30	30	1 052	45	—	—	—	—	84	29
Other craftsmen and kindred workers	1 159	1 159	231	93	4 839	1 174	1 174	612	993	128	139	3 637	141
Operatives, except transport													
Assemblers	212	212	375	706	135	1 034	5 233	993	5 365	8 113	139	2 961	253
Checkers, examiners, and inspectors; manufacturing	—	—	12	9	5	14	264	21	20	34	—	91	12
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	5	32	5	—	61	—	12	—
Precision machine operatives	—	—	—	—	—	—	18	—	—	182	—	9	—
Welders and flamecutters	—	—	—	—	—	31	131	19	—	39	—	28	—
Other specified operatives	73	73	49	9	6	98	386	41	4	73	—	103	16
Machine operatives, miscellaneous specified	62	62	169	347	43	542	2 664	773	4 805	7 588	103	2 416	103
Machine operatives, not specified	8	8	18	12	6	61	480	23	115	69	27	87	13
Miscellaneous operatives	5	5	107	320	75	164	363	35	60	25	5	144	22
Not specified operatives	24	24	10	—	—	27	135	20	114	56	—	47	28

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
The State												
Standard Metropolitan Statistical Areas												
of 250,000 or More												
DETROIT SMSA—Continued												
Total employed—Continued												
Transport equipment operators.....	1 333	10 712	5 634	102	1 858	6 729	1 036	1 205	806	738	2 425	709
Deliverymen and routemen.....	31	970	73	34	20	3 254	777	652	299	588	1 341	17
Truck drivers.....	61	225	913	42	913	2 477	88	349	331	775	14	61
Other transport equipment operators.....	1 241	5 515	5 336	26	925	998	124	204	176	62	309	31
Laborers, except farm.....	481	2 402	653	102	2 541	4 543	2 191	7 640	880	155	3 612	618
Freight, stock, and material handlers.....	125	2 206	388	40	1 331	3 364	2 058	7 417	163	75	2 263	35
Other specified laborers.....	16	86	132	17	689	434	57	76	601	6	979	450
Miscellaneous laborers.....	263	39	6	33	309	331	10	5	29	20	103	54
Not specified laborers.....	77	71	127	45	212	414	66	142	87	54	267	79
Farm workers.....	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	336	284	670	364	669	1 034	2 999	1 342	412	39 742	5 267	3 183
Cleaning service workers.....	87	170	191	247	335	689	843	428	329	1 122	769	2 231
Personal service workers.....	42	29	217	22	25	60	211	69	20	359	237	181
Guards and watchmen.....	52	61	33	35	115	82	245	37	14	24	103	373
Other service workers, including private household.....	155	24	229	60	194	203	1 700	808	49	38 237	4 158	398
Female employed	1 487	2 217	4 390	10 429	3 201	14 951	34 467	16 789	3 504	31 274	39 407	27 094
Professional, technical, and kindred workers.....												
Accountants.....	51	50	104	454	187	399	604	114	52	243	870	528
Computer specialists.....	31	34	18	39	55	129	134	30	43	39	103	274
Life and physical scientists.....	5	—	—	38	17	58	27	5	—	—	—	44
Registered nurses, dietitians, and therapists.....	—	—	—	4	5	1	14	5	4	21	5	17
Social scientists.....	—	—	—	0	—	—	—	—	—	—	—	9
Writers, artists, and entertainers.....	5	5	8	20	6	67	182	12	5	163	214	34
Other professional, technical, and kindred workers.....	10	11	78	297	98	122	247	53	—	20	548	150
Managers and administrators, except farm.....	12	70	348	247	52	594	1 595	724	117	1 385	2 335	2 010
Salaried.....	12	70	348	247	48	504	1 532	314	83	836	1 760	1 901
Self-employed.....	—	—	—	—	4	90	63	410	34	549	575	109
Sales workers.....	9	—	100	102	63	880	18 102	4 193	186	446	17 495	2 337
Clerical and kindred workers.....	1 278	1 751	2 017	8 958	2 533	10 602	10 427	8 451	2 727	2 415	12 286	20 622
Bookkeepers.....	144	317	142	335	199	2 015	1 261	631	1 079	383	2 336	2 521
Cashiers.....	—	35	29	51	39	154	2 828	6 594	174	1 782	2 782	2 521
Counter clerks, except food.....	—	21	5	158	13	236	257	70	20	23	112	35
File clerks.....	59	57	8	256	66	367	391	53	112	12	304	655
Office machine operators.....	256	94	53	288	77	686	423	274	102	20	225	1 566
Bookkeeping and billing machine operators.....	7	10	16	15	—	62	24	19	75	—	28	650
Receptionists.....	—	—	—	32	19	176	66	7	48	16	238	33
Secretaries.....	157	438	367	528	499	3 376	855	236	384	110	1 356	650
stenographers.....	78	5	10	28	145	109	8	5	23	—	127	305
Typists.....	204	204	123	700	235	1 001	628	90	246	26	660	3 384
Other clerical and kindred workers.....	514	580	1 264	6 582	1 241	2 482	3 710	491	539	150	4 208	2 141
Craftsman and kindred workers.....	25	37	59	372	45	306	531	362	92	69	1 017	82
Foremen, n.e.c.....	—	11	26	109	13	66	303	90	5	5	189	54
Operatives, except transport.....	—	59	45	72	36	1 435	666	1 621	174	77	1 615	107
Assemblers.....	—	—	9	—	—	72	7	—	10	—	14	—
Checkers, examiners, and inspectors; manufacturing.....	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce.....	—	16	13	5	—	686	274	320	16	36	128	5
Other operatives, except transport.....	—	43	23	67	36	677	385	1 301	148	41	1 473	102
Transport equipment operators.....	3	146	1 476	11	98	68	112	20	17	62	59	5
Laborers, except farm.....	32	36	37	19	47	423	442	500	38	32	487	29
Farm workers.....	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	77	68	204	194	140	244	1 988	804	101	—	3 442	1 374
Cleaning service workers.....	21	120	120	118	26	120	498	76	56	299	725	1 049
Personal service workers.....	19	9	75	69	13	22	173	65	35	10	172	121
Other service workers, including private household.....	43	18	93	60	99	102	1 616	659	35	26 036	3 046	204

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

DETROIT SMSA										
Total employed										
Professional, technical, and kindred workers										
Accountants	29 710	19 737	7 189	47 496	11 731	58 081	31 561	77 218	26 993	63 729
Architects	5 938	605	227	1 124	2 220	19 807	11 591	47 222	16 004	39 580
Engineers	858	88	69	23	43	196	47	120	24	8 540
Computer specialists	471	19	—	15	5	—	—	29	5	1 826
Chemical	627	71	—	18	11	—	—	31	36	14
Civil	—	—	—	—	—	—	—	—	—	481
Electrical and electronic	14	—	—	—	—	—	—	—	—	1 122
Industrial	180	25	—	—	5	9	9	48	4	37
Mechanical	115	13	—	—	—	11	—	—	—	388
Other engineers	121	8	—	8	—	—	—	—	—	45
Mathematical specialists	297	23	—	10	6	28	—	31	14	203
Life and physical scientists	45	—	—	—	—	59	—	33	48	705
Chemists	114	—	—	—	3	10	—	11	6	792
Personnel and labor relations workers	70	—	—	—	—	173	54	49	14	52
Social scientists	680	8	32	16	30	73	27	10	14	124
Engineering and science technicians	178	6	—	—	—	202	45	110	67	93
Draftsmen	1 115	77	—	14	50	141	42	156	38	248
Electrical and electronic engineering technicians	813	39	—	5	25	109	39	268	77	464
Industrial and mechanical engineering technicians	44	18	—	—	—	10	6	31	30	133
Technicians, except health, and engineering and science	28	—	—	—	—	10	—	51	12	105
Writers, artists, and entertainers	1 490	27	61	750	1 433	86	15	271	199	36
Other professional, technical, and kindred workers	341	297	65	221	641	18 800	11 253	45 831	15 449	539
Managers and administrators, except farm	2 888	1 723	815	2 171	1 449	1 132	757	3 640	1 476	2 269
Buyers, purchasing agents, and sales managers	—	74	22	37	37	117	10	76	44	20
Other managers and administrators	2 864	1 649	793	2 134	1 396	1 015	747	3 564	1 382	2 249
Self-employed	2 077	1 066	547	1 334	1 083	1 009	713	3 564	1 431	2 249
Sales workers	487	518	246	800	313	6	34	—	51	85
Clerical and kindred workers	1 705	518	6	475	428	75	38	104	143	195
Bookkeepers	9 560	2 777	1 515	4 827	1 749	10 420	5 845	11 514	4 335	5 539
Cashiers	854	470	226	500	250	580	624	575	185	27 081
Estimators and investigators, n.e.c.	46	257	107	262	558	36	—	400	126	183
Office machine operators	301	132	6	19	26	36	—	31	104	127
Shipping and receiving clerks	1 397	48	15	21	26	296	25	228	104	535
Stock clerks and storekeepers	48	19	5	21	5	63	15	26	9	116
Other clerical and kindred workers	38	42	14	91	5	254	16	86	28	509
Craftsmen and kindred workers	6 876	1 809	1 142	3 867	905	9 132	5 165	10 188	3 878	8 398
Blacksmiths, forgers, hammermen, and boilermakers	1 919	8 593	153	1 036	802	938	703	1 793	452	2 853
Brickmasons and stonemasons	6	46	—	—	—	5	—	11	4	5
Carpenters	55	10	13	16	28	125	5	9	56	10
Cranemen, derrickmen, and hoistmen	62	—	—	7	—	—	—	—	—	31
Electricians	32	30	20	—	15	104	—	87	33	5
Excavating, grading, and road machine operators	51	15	—	4	18	3	—	4	—	38
Foremen, n.e.c.	268	186	18	173	54	98	6	210	41	106
Mechanics and repairmen	646	6 870	35	130	286	167	12	302	43	481
Automobile, including body	87	4 042	—	29	18	4	—	120	12	1 383
Machinists, job setters, and toolmakers	24	162	—	16	8	5	—	25	10	499
Metal craftsmen, except mechanics and machinists	94	14	5	7	—	—	—	—	—	37
Painters, construction and maintenance, and plasterers and paperhangers	68	117	31	40	20	152	6	32	28	93
Plumbers and pipe fitters	12	11	4	—	—	71	5	107	37	155
Printing craftsmen	118	6	—	11	10	11	10	81	34	31
Stationary engineers and power station operators	21	—	13	11	28	103	—	407	40	52
Other craftsmen and kindred workers	462	1 120	14	610	330	122	606	336	102	58
Operatives, except transport	1 430	2 179	181	6 903	217	1 264	275	565	172	584
Assemblers	54	49	—	21	—	—	—	—	—	28
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—
Fillers, polishers, sanders, and buffers	10	54	—	5	—	—	5	—	—	—
Painters, manufactured articles	10	318	6	8	—	6	—	—	—	—
Precision machine operatives	16	158	—	—	—	—	—	—	—	—
Welders and flamecutters	23	621	—	5	6	4	—	13	—	6
Other specified operatives	868	746	161	6 709	152	1 115	257	483	69	12
Machine operatives, miscellaneous specified	142	83	4	65	18	52	4	17	13	317
Machine operatives, not specified	60	15	5	10	9	21	—	10	39	35
Miscellaneous operatives	227	118	5	41	36	52	5	34	62	80
Not specified operatives	20	17	5	39	5	14	—	—	—	19

The State Standard Metropolitan Statistical Areas of 250,000 or More

DETROIT SMSA

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More											
DETROIT SMSA—Continued											
Total employed—Continued											
Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
625	1 058	55	1 267	129	110	110	265	78	156	108	946
212	73	20	888	28	24	31	37	—	21	48	48
285	335	6	168	40	24	24	56	—	24	28	726
128	650	29	211	61	62	55	172	78	51	53	172
520	1 380	76	879	568	338	68	316	165	229	145	1 663
186	36	53	303	158	158	10	303	38	93	811	811
104	1 069	43	318	396	133	9	202	116	65	123	678
34	146	31	5	10	—	—	5	—	11	28	11
196	129	28	248	88	47	49	49	11	60	12	146
—	—	—	—	—	—	—	—	—	—	—	—
5 125	984	4 161	28 814	4 169	23 797	12 174	11 799	4 168	3 316	4 664	15 781
2 948	227	2 052	690	816	3 862	1 049	6 098	1 865	1 885	296	473
176	63	706	11 295	1 252	544	272	2 348	584	1 885	136	309
1 736	27	28	16 789	2 034	19 118	10 839	3 230	1 432	777	4 156	13 347
265	587	1 375	—	—	—	—	—	—	—	—	—
12 874	3 357	4 551	35 375	4 712	45 857	22 363	49 096	17 921	10 398	17 940	21 709
1 476	92	140	450	785	15 004	4 496	30 379	10 695	2 927	4 511	2 393
403	24	30	8	15	143	5	20	8	50	44	589
66	—	—	—	—	9	—	13	9	—	9	150
13	—	—	—	—	—	21	—	—	—	—	16
52	—	6	104	—	10 884	2 748	366	132	93	50	103
4	—	—	6	—	49	7	64	15	29	12	18
307	—	42	255	412	27	5	130	110	288	82	82
636	68	62	77	358	3 830	1 678	29 734	10 413	2 205	3 616	1 435
441	116	239	596	198	470	381	979	617	402	273	928
351	52	145	177	168	470	18	979	592	402	262	928
90	64	94	177	30	—	—	—	25	—	11	—
298	109	6	309	272	70	26	58	64	106	129	73
8 087	2 162	1 201	4 419	1 322	9 788	5 689	10 523	3 898	5 000	9 234	16 223
738	409	196	524	336	249	608	386	180	432	994	721
27	199	107	252	366	174	—	34	126	62	49	100
37	21	379	1 834	71	34	20	220	13	12	5	30
299	50	9	40	9	423	91	171	129	120	474	474
1 204	31	15	50	20	225	18	180	89	135	426	596
26	—	11	5	15	52	10	—	4	23	21	45
161	59	55	470	38	1 125	2 104	92	86	246	209	131
376	367	143	338	302	2 350	1 593	3 921	1 724	2 676	3 846	2 204
143	10	6	119	13	40	48	121	23	112	70	657
1 002	141	14	83	83	1 493	480	1 208	514	575	663	2 968
2 100	875	277	876	181	3 165	727	3 820	1 014	630	2 801	8 342
134	170	9	250	8	93	143	258	64	42	77	37
25	—	—	82	4	43	20	31	15	26	27	18
606	296	129	5 196	52	866	216	100	56	115	188	65
44	4	—	14	—	—	—	—	—	10	20	11
205	20	—	92	—	18	5	—	—	—	30	—
357	272	129	5 090	52	848	211	95	56	105	138	54
41	61	4	37	11	16	13	107	48	5	13	43
92	91	26	341	46	126	32	30	24	29	16	304
—	—	—	—	—	—	—	—	—	—	—	—
1 699	260	2 797	23 777	2 018	19 424	11 367	6 662	2 455	1 772	3 499	1 643
1 406	41	1 514	299	213	2 427	717	1 519	495	661	97	265
160	22	794	7 593	486	432	243	2 063	666	458	124	182
133	197	—	15 885	1 319	16 565	10 407	3 080	1 294	653	3 278	1 196

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
FLINT SMSA	176 566	2 204	181	6 923	80 791	233	369	566	19	3 019	1 660	1 642
Total employed	20 866	108	5	139	4 848	—	11	18	—	137	161	145
Professional, technical, and kindred workers	1 070	27	—	15	452	—	—	6	—	36	5	6
Accountants	68	—	—	—	—	—	—	—	—	—	—	—
Architects	299	—	—	—	172	—	—	—	—	—	—	—
Computer specialists	2 083	—	5	65	1 682	—	—	—	—	44	84	57
Chemical	40	—	—	—	35	—	—	—	—	5	—	—
Civil	129	—	—	—	34	—	—	—	—	—	—	—
Electrical and electronic	216	—	—	45	34	—	—	—	—	—	—	—
Industrial	591	—	—	4	560	—	—	—	—	5	4	23
Mechanical	765	—	—	—	743	—	—	—	—	13	19	5
Other engineers	342	—	5	16	175	—	—	—	—	21	32	4
Mathematical specialists	32	—	—	—	23	—	—	—	—	—	—	—
Life and physical scientists	204	—	—	—	150	—	—	4	—	—	—	—
Chemists	166	—	—	—	150	—	—	4	—	—	—	—
Personnel and labor relations workers	581	—	—	—	298	—	—	4	—	—	—	—
Social scientists	148	—	—	—	30	—	—	—	—	—	—	—
Engineering and science technicians	1 672	11	—	41	1 193	—	11	4	—	40	27	32
Draftsmen	723	—	—	4	547	—	6	4	—	40	21	15
Electrical and electronic engineering technicians	75	—	—	—	23	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	224	—	—	—	216	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	119	—	—	—	17	—	—	—	—	—	—	—
Writers, artists, and entertainers	904	26	—	—	345	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	13 686	44	—	13	486	—	—	—	—	12	18	9
Managers and administrators, except farm	9 361	29	11	643	1 222	9	28	18	6	95	94	43
Buyers, purchasing agents, and sales managers	1 185	—	—	17	259	6	10	9	6	10	25	25
Other managers and administrators	8 176	29	11	626	963	3	18	9	—	84	69	18
Salaries	6 503	19	11	387	873	3	8	9	—	80	69	9
Self-employed	1 673	10	—	239	90	—	10	9	—	4	—	—
Sales workers	10 568	18	—	43	713	16	6	—	—	34	78	10
Clerical and kindred workers	24 841	43	3	435	6 291	—	27	19	—	267	94	164
Bookkeepers	2 783	11	3	100	471	—	15	—	—	29	17	11
Cashiers	1 958	—	—	—	24	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	457	—	—	85	99	—	—	—	—	8	5	—
Office machine operators	1 054	—	—	—	567	—	—	—	—	5	—	—
Shipping and receiving clerks	693	—	—	—	483	—	—	10	—	38	6	—
Stock clerks and storekeepers	1 467	—	—	14	1 075	—	—	—	—	29	—	9
Other clerical and kindred workers	16 429	32	—	236	3 572	—	12	9	—	158	66	118
Craftsmen and kindred workers	31 801	24	42	4 266	21 556	62	52	205	9	1 032	583	386
Blacksmiths, forgers, hammermen, and boilermakers	78	—	—	5	69	—	—	7	—	24	—	—
Brickmasons and stonemasons	289	—	—	251	33	—	—	—	—	—	—	—
Carpenters	1 239	—	—	921	183	—	7	9	—	15	—	—
Cement masons, bricklayers, and hod carriers	469	—	16	59	469	—	—	—	—	28	—	—
Cranemen, derrickmen, and hoistmen	1 642	—	—	422	1 096	—	6	13	—	61	13	22
Electricians	1 842	5	12	—	19	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	1 174	—	—	346	4	—	—	—	—	—	—	—
Foremen, n.e.c.	5 105	15	5	246	4 095	17	14	57	—	193	72	99
Foremen, n.e.c.	243	—	—	—	243	—	—	—	—	86	64	38
Mechanics and repairmen	9 972	15	3	204	4 400	5	14	12	—	9	7	—
Mechanics and repairmen	3 715	—	—	16	2 311	—	—	—	—	—	—	—
Machinists, job setters, and toolmakers	6 422	—	—	9	6 400	—	—	11	9	489	380	167
Metal craftsmen, except mechanics and machinists	2 112	—	—	183	1 903	—	—	80	—	81	31	27
Painters, construction and maintenance, and plasterers and paperhangers	626	—	—	301	224	—	—	5	—	6	20	12
Plumbers and pipe fitters	1 213	—	—	443	633	—	—	—	—	10	—	—
Printing craftsmen	358	—	—	—	302	—	—	—	—	4	—	—
Stationary engineers and power station operators	264	—	—	14	145	—	—	—	—	22	—	—
Other craftsmen and kindred workers	4 437	4	6	865	1 585	21	11	11	—	33	3	21
Operatives, except transport	41 041	—	93	365	36 650	74	120	238	4	1 172	570	804
Assemblers	11 792	—	—	—	11 712	—	29	7	—	101	37	349
Checkers, examiners, and inspectors; manufacturing	4 543	—	—	—	4 543	—	4	12	—	87	35	95
Filers, polishers, sanders, and buffers	783	—	—	—	741	—	—	7	—	57	3	13
Painters, manufactured articles	1 001	—	—	—	935	—	6	—	—	9	—	18
Precision machine operatives	2 347	—	—	10	2 300	—	5	—	—	59	224	50
Welders and flamecutters	2 630	—	—	85	2 369	—	11	26	—	16	9	112
Other specified operatives	10 933	—	86	—	7 463	36	31	71	4	41	59	30
Machine operatives, miscellaneous specified	1 886	—	—	14	1 760	—	16	45	—	85	30	50
Machine operatives, not specified	3 050	—	—	—	2 963	5	8	16	—	115	69	69
Miscellaneous operatives	1 114	—	—	4	943	11	10	11	—	27	17	9
Not specified operatives	962	—	—	—	921	11	—	27	—	22	14	30

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More														
FLINT SMSA														
Total employed														
Professional, technical, and kindred workers														
Accountants	3 743	3	50	793	20	4 309	970	182	370	328	1 056	746	224	591
Architects	369	—	10	—	—	192	27	5	10	5	133	168	—	40
Computer specialists	—	—	—	—	—	5	5	—	—	—	—	5	—	—
Engineers	1 445	—	4	—	—	30	—	—	5	5	—	20	—	12
Chemical	15	—	—	—	—	—	—	—	—	—	—	20	—	—
Civil	24	—	—	—	—	5	—	—	—	—	—	—	—	5
Electrical and electronic	89	—	—	—	—	14	—	—	5	5	—	—	—	—
Industrial	517	—	—	—	—	—	—	—	—	—	—	—	—	—
Mechanical	694	—	4	—	—	7	—	—	—	—	—	—	—	7
Other engineers	82	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	23	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	120	—	—	—	—	—	—	—	—	—	—	20	—	—
Chemists	120	—	—	—	—	—	—	—	—	—	—	20	—	—
Personnel and labor relations workers	243	—	—	—	—	9	5	—	—	—	—	26	—	6
Social scientists	19	—	6	—	—	9	17	—	—	—	5	88	—	4
Engineering and science technicians	942	3	11	—	—	5	—	—	—	—	5	—	—	4
Draftsmen	436	—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineering technicians	10	—	—	—	—	—	9	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	200	3	—	—	—	—	—	—	5	—	—	—	—	—
Technicians, except health, and engineering and science	12	—	8	—	—	5	—	—	—	—	123	—	—	—
Writers, artists, and entertainers	177	—	—	—	—	134	—	—	—	—	—	9	—	18
Other professional, technical, and kindred workers	272	—	11	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm														
Buyers, purchasing agents, and sales managers	611	—	44	—	—	68	59	15	21	23	58	4	15	11
Other managers and administrators	109	—	19	—	—	—	11	5	—	8	4	—	5	6
Salaries	502	—	25	—	—	68	48	10	21	15	54	4	10	5
Self-employed	494	—	25	—	—	26	—	—	7	—	22	4	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers														
—	85	—	11	—	—	26	52	9	14	7	200	61	13	91
Clerical and kindred workers														
Bookkeepers	4 770	4	92	—	—	226	112	5	38	16	240	115	39	63
Cashiers	280	—	14	—	—	8	26	—	10	—	42	14	—	4
Estimators and investigators, n.e.c.	20	—	—	—	—	—	—	—	—	—	—	—	—	—
Office machine operators	77	—	—	—	—	4	—	—	—	—	5	—	—	—
Shipping and receiving clerks	488	—	—	—	—	7	18	—	9	—	14	23	—	4
Stock clerks and stockkeepers	344	—	—	—	—	—	12	—	6	6	10	18	6	—
Other clerical and kindred workers	1 009	—	3	—	—	—	12	—	—	—	—	13	—	—
2 552	—	4	75	—	—	207	44	—	13	10	169	47	33	55
Craftsmen and kindred workers														
Blacksmiths, forgers, hammermen, and boilermakers	17 147	23	193	9	—	994	178	50	41	33	303	116	24	96
Brickmasons and stonemasons	45	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	26	—	21	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	121	—	—	—	—	—	—	—	—	—	—	4	—	—
Electricians	428	—	—	—	—	—	8	10	—	—	—	5	—	—
Excavating, grading, and road machine operators	958	—	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	19	—	41	6	—	38	76	16	19	19	20	43	10	14
Mechanics and repairmen	3 337	4	27	—	—	36	65	14	14	10	5	23	—	11
Automobile, including body	3 976	—	10	—	—	13	40	—	—	—	—	—	—	5
Machinists, job setters, and toolmakers	2 227	19	24	—	—	39	—	—	8	—	—	6	8	16
5 224	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 612	—	—	8	—	—	26	5	4	—	—	—	24	—	5
Metal craftsmen, except mechanics and machinists	218	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	574	—	6	—	—	6	—	—	—	—	—	—	—	—
Plumbers and pipe fitters	11	—	—	3	—	—	—	—	—	4	267	—	—	13
Printing craftsmen	107	—	—	—	—	5	—	—	—	—	—	5	—	6
Stationary engineers and power station operators	137	—	—	—	—	844	24	6	—	—	11	6	6	31
Other craftsmen and kindred workers	491	—	66	—	—	—	—	—	—	—	—	—	—	—
Operatives, except transport														
Assemblers	29 771	16	327	11	—	2 196	254	70	224	213	46	195	105	240
Checkers, examiners, and inspectors; manufacturing	10 844	—	139	—	—	98	10	10	43	19	—	10	10	6
Filters, polishers, sanders, and buffers	4 141	5	9	—	—	5	4	—	33	—	5	—	—	93
Painters, manufactured articles	656	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	877	—	—	—	—	—	—	—	—	—	—	20	—	—
Welders and flame cutters	1 897	11	5	—	—	13	—	—	—	—	—	—	—	—
Other specified operatives	2 015	—	13	—	—	—	—	—	10	—	—	—	—	—
Machine operatives, miscellaneous specified	4 114	—	114	—	—	41	174	—	91	55	14	76	10	6
Machine operatives, not specified	1 256	—	13	11	—	15	26	—	34	98	5	17	44	115
Miscellaneous operatives	2 474	—	19	—	—	32	24	—	11	30	6	41	17	9
Not specified operatives	791	—	8	—	—	791	13	—	12	11	16	17	10	3
706	—	—	5	—	—	63	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 - Continued

(Data based on sample, see text. For meaning of symbols, see text)

Manufacturing - Continued													
Durable goods - Continued					Nondurable goods								
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing	
FLINT SMSA - Continued													
Total employed - Continued													
Transport equipment operatives													
Deliverymen and routemen				148	179	18	5	13	26	48	14	21	
Truck drivers				15	101	-	-	-	16	12	5	6	
Other transport equipment operatives				27	44	9	5	13	10	15	9	4	
				106	34	9	-	-	-	21	-	11	
Laborers, except farm													
Freight, stock, and material handlers				262	64	7	17	7	19	16	9	21	
Other specified laborers				20	28	4	11	4	5	12	4	5	
Miscellaneous laborers				224	14	3	-	3	-	-	-	13	
Not specified laborers				10	11	-	-	-	4	-	-	-	
				8	11	4	6	-	10	4	5	3	
Farm workers													
				-	-	-	-	-	-	-	-	-	
Service workers, including private household													
Cleaning service workers				197	45	3	-	11	31	23	5	8	
Personal service workers				19	27	3	-	11	31	20	5	8	
Guards and watchmen				-	-	-	-	-	-	-	-	-	
Other service workers, including private household				6	-	-	-	-	-	3	-	-	
				172	18	-	-	-	-	-	-	-	
Female employed													
	4	193	3	675	246	17	252	125	368	80	134	166	
Professional, technical, and kindred workers													
Accountants		6	-	9	9	5	-	-	42	3	-	-	
Computer specialists		-	-	-	-	5	-	-	-	-	-	-	
Life and physical scientists		-	-	-	-	-	-	-	-	-	-	-	
Registered nurses, dietitians, and therapists		-	-	-	-	-	-	-	-	-	-	-	
Social scientists		6	-	5	-	-	-	-	37	-	-	-	
Writers, artists, and entertainers		-	-	4	9	-	-	-	5	3	-	-	
Other professional, technical, and kindred workers		-	-	-	-	-	-	-	-	-	-	-	
Managers and administrators, except farm		-	-	5	5	-	14	-	11	-	-	-	
Self-employed		-	-	5	5	-	14	-	11	-	-	-	
Sales workers		-	-	-	-	-	9	-	20	-	-	-	
Clerical and kindred workers													
Bookkeepers	4	70	-	94	73	5	28	10	196	59	39	54	
Cashiers		8	-	8	21	5	10	-	33	9	-	-	
Counter clerks, except food		-	-	-	-	-	-	-	-	-	-	4	
File clerks		-	-	-	-	-	-	-	22	-	-	-	
Office machine operators		-	-	-	12	-	9	-	9	23	-	-	
Bookkeeping and billing machine operators		-	-	-	5	-	-	-	-	-	-	-	
Receptionists		-	-	2	6	-	-	-	4	-	-	3	
Secretaries		4	-	6	13	-	5	-	36	7	11	19	
Stenographers		52	-	6	-	-	-	-	9	6	6	8	
Typists		5	-	-	-	-	4	-	24	10	5	8	
Other clerical and kindred workers		5	-	78	16	-	-	10	54	4	17	20	
Craftsmen and kindred workers													
Foremen, n.e.c.		16	3	25	11	-	-	-	44	-	10	5	
		40	-	3	-	-	-	-	-	-	10	-	
Operatives, except transport													
Assemblers		87	-	499	132	7	201	115	46	11	75	96	
Checkers, examiners, and inspectors; manufacturing		25	-	22	4	-	43	11	5	-	10	10	
Packers and wrappers, except meat and produce		5	-	-	4	-	23	-	8	-	5	8	
Other operatives, except transport		57	-	477	62	7	135	99	33	5	50	78	
Transport equipment operatives													
Laborers, except farm		-	-	-	11	-	-	-	-	-	-	-	
Farm workers		9	-	23	-	-	-	-	4	7	5	9	
Service workers, including private household													
Cleaning service workers		-	-	-	-	-	-	-	-	-	-	-	
Personal service workers		5	-	20	5	-	-	-	5	-	5	2	
Other service workers, including private household		10	-	-	-	-	-	-	5	-	5	2	
		5	-	20	5	-	-	-	-	-	-	-	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Railroads and railway express service	Trucking service and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
								General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
FLINT SMSA		530	1 855	844	1 561	1 624	5 544	4 259	3 985	3 864	4 710	8 814	3 730
Accountants	—	—	12	12	197	116	284	58	10	19	20	298	91
Architects	—	—	—	—	—	11	71	5	6	11	—	23	38
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemical	—	—	—	—	—	—	—	—	—	—	—	—	—
Civil	—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial	—	—	—	—	—	—	—	—	—	—	—	—	—
Mechanical	—	—	—	—	—	—	—	—	—	—	—	—	—
Other engineers	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemists	—	—	—	—	—	—	—	—	—	—	—	—	—
Personnel and labor relations workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineering and science technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Draftsmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm	—	—	—	—	—	—	—	—	—	—	—	—	—
Buyers, purchasing agents, and sales managers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other managers and administrators	—	—	—	—	—	—	—	—	—	—	—	—	—
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Clerical and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Bookkeepers	—	—	—	—	—	—	—	—	—	—	—	—	—
Cashiers	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—
Office machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Shipping and receiving clerks	—	—	—	—	—	—	—	—	—	—	—	—	—
Stock clerks and storekeepers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other clerical and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Craftsmen and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Blacksmiths, forgers, hammermen, and boilermakers	—	—	—	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Electricians	—	—	—	—	—	—	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—
Mechanics and repairmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Automobile, including body	—	—	—	—	—	—	—	—	—	—	—	—	—
Machinists, job setters, and toolmakers	—	—	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	—	—	—	—	—	—	—	—	—	—	—	—	—
Plumbers and pipe fitters	—	—	—	—	—	—	—	—	—	—	—	—	—
Printing craftsmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Other craftsmen and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Operatives, except transport	—	—	—	—	—	—	—	—	—	—	—	—	—
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Welders and flame cutters	—	—	—	—	—	—	—	—	—	—	—	—	—
Other specified operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Machine operatives, miscellaneous specified	—	—	—	—	—	—	—	—	—	—	—	—	—
Machine operatives, not specified	—	—	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
FLINT SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	142	1 063	620	—	186	745	57	61	131	40	272	25
Deliverymen and roulemen	—	88	78	—	36	274	43	51	44	28	138	4
Truck drivers	142	948	602	—	143	254	14	5	26	6	96	5
Other transport equipment operatives	—	27	—	—	—	117	—	—	—	—	38	16
Labors, except farm	53	123	19	9	212	447	157	1 043	124	22	386	41
Freight, stock, and material handlers	11	112	9	4	50	386	141	1 018	40	6	232	25
Other specified laborers	—	—	5	5	103	43	11	—	73	5	125	—
Miscellaneous laborers	32	—	—	—	59	—	—	—	—	—	—	6
Not specified laborers	10	11	5	—	—	18	5	21	11	11	24	10
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	11	25	13	31	34	174	162	91	58	3 784	508	226
Cleaning service workers	—	20	9	27	16	126	37	36	40	106	52	162
Personal service workers	—	—	—	4	—	4	20	—	6	19	—	4
Guards and watchmen	—	5	—	—	—	24	25	—	—	—	8	5
Other service workers, including private household	11	—	4	—	18	20	80	55	12	3 652	429	55
Female employed	26	210	544	793	256	1 304	3 168	1 561	463	3 176	4 691	2 199
Professional, technical, and kindred workers	—	7	5	43	19	15	45	—	4	8	38	39
Accountants	—	—	—	5	6	10	5	—	4	—	13	15
Computer specialists	—	—	—	—	—	5	4	—	—	—	—	10
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	7	5	23	13	—	12	—	—	8	10	—
Other professional, technical, and kindred workers	—	—	—	15	—	—	24	—	—	—	15	14
Managers and administrators, except farm	—	17	17	17	5	47	214	70	28	154	248	125
Salaries	—	—	17	17	5	38	188	46	24	99	207	102
Self-employed	—	—	—	—	—	9	26	24	4	55	41	23
Sales workers	—	—	—	5	5	69	1 799	330	30	23	2 320	258
Clerical and kindred workers	16	189	56	657	163	856	833	891	298	200	1 288	1 599
Bookkeepers	—	28	—	26	33	187	112	68	23	45	402	239
Cashiers	—	9	4	—	—	15	320	715	35	146	197	32
Counter clerks, except food	—	—	—	21	5	13	22	16	—	6	13	—
File clerks	—	6	—	27	10	33	16	10	12	—	19	—
Office machine operators	—	5	—	—	—	67	16	4	12	—	8	40
Bookkeeping and billing machine operators	—	—	—	—	—	9	—	—	—	—	—	46
Receptionists	—	—	5	10	—	20	—	—	—	—	23	9
Secretaries	4	52	7	35	14	221	78	20	30	11	154	318
Stenographers	5	—	6	5	7	9	—	—	11	—	377	15
Typists	—	45	—	35	10	90	9	3	—	—	76	43
Other clerical and kindred workers	7	44	34	498	84	201	260	55	27	14	396	120
Craftsmen and kindred workers	—	—	—	39	9	35	66	31	5	15	167	19
Foremen, n.e.c.	—	—	—	11	—	9	41	—	—	—	12	15
Operatives, except transport	—	—	—	10	4	165	57	120	81	17	183	12
Assemblers	—	—	—	—	—	8	—	—	5	—	5	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	64	17	10	12	—	14	5
Packers and wrappers, except meat and produce	—	—	—	10	4	93	40	110	64	—	164	7
Other operatives, except transport	—	—	—	—	—	—	—	—	—	—	—	—
Transport equipment operatives	4	14	457	—	41	6	6	—	5	—	5	—
Labors, except farm	—	—	—	—	—	—	—	—	—	—	—	—
Farm workers	6	—	5	—	—	73	44	64	—	—	33	7
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	—	—	4	22	10	38	104	55	12	2 759	409	140
Personal service workers	—	—	4	22	5	33	—	—	—	34	23	90
Other service workers, including private household	—	—	—	—	5	—	20	—	—	15	19	4
	—	—	—	—	—	5	80	55	12	2 710	367	46

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More		Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertain- ment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public adminis- tration
FLINT SMSA													
Total employed		1 539	1 685	620	4 890	1 025	6 728	4 293	9 212	4 007	2 028	2 711	4 827
Professional, technical, and kindred workers													
Accountants	282	32	32	19	78	167	2 003	1 400	5 668	2 367	867	1 266	516
Architects	106	5	5	4	—	11	—	—	—	—	10	192	68
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	36	—
Engineers	13	—	—	—	—	—	5	—	7	9	—	5	11
Chemical	—	—	—	—	—	—	4	—	32	19	—	71	42
Civil	—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	—	—	—	—	—	—	—	—	5	—	—	22	23
Industrial	—	—	—	—	—	—	—	—	10	9	—	5	5
Mechanical	—	—	—	—	—	—	—	—	—	—	—	8	—
Other engineers	—	—	—	—	—	—	4	—	17	5	—	36	14
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	5	10	—	6	—	11	11
Chemists	—	—	—	—	—	—	5	—	—	—	—	6	—
Personnel and labor relations workers	50	—	—	—	—	—	12	5	17	19	—	—	46
Social scientists	19	—	—	—	5	5	9	28	12	10	—	—	26
Engineering and science technicians	47	5	5	—	—	—	5	—	35	31	—	180	44
Draftsmen	41	—	—	—	—	—	—	—	—	—	—	92	22
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	10	6	6	—	55	100	5	—	10	16	—	38	34
Writers, artists, and entertainers	17	16	16	9	13	51	1 915	1 351	5 524	2 257	93	728	229
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	130	107	46	65	235	106	87	143	419	233	217	126	587
Other managers and administrators	130	107	—	65	235	106	10	6	5	6	—	126	587
Salaries	93	81	26	38	93	106	77	102	414	222	217	106	567
Self-employed	37	26	27	27	93	10	—	35	—	5	—	20	—
Sales workers													
Clerical and kindred workers	76	46	—	9	36	41	16	—	11	4	10	16	19
Bookkeepers	626	264	—	112	491	164	1 040	754	1 432	601	491	704	1 872
Cashiers	72	49	36	36	56	27	54	65	62	14	35	167	104
Estimators and investigators, n.e.c.	—	32	6	—	25	44	36	—	46	8	6	—	6
Office machine operators	47	5	—	—	—	5	—	—	—	—	5	9	30
Shipping and receiving clerks	84	5	—	—	—	—	14	—	27	10	—	39	6
Stock clerks and stockkeepers	5	6	—	—	5	5	—	13	6	5	—	—	—
Other clerical and kindred workers	412	167	—	70	405	83	916	678	1 286	559	439	489	1 707
Craftsmen and kindred workers													
Blacksmiths, forgers, hammermen, and boilermakers	125	781	—	27	69	96	64	107	179	54	46	87	202
Brickmasons and stonemasons	—	4	—	—	—	—	—	—	—	—	—	—	—
Carpenters	—	9	—	—	—	—	6	—	30	—	6	—	4
Cronmen, derrickmen, and hoistmen	6	—	—	—	—	—	—	—	—	—	—	—	—
Electricians	4	11	—	—	—	—	20	5	14	—	10	—	10
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	3	8	—	16	14	75	—	29	17	6	11	5	35
Mechanics and repairmen	13	595	—	—	10	—	14	—	46	18	10	26	63
Automobile, including body	—	375	—	—	—	—	—	—	17	11	—	—	28
Machinists, job setters, and toolmakers	—	—	—	—	—	—	—	—	—	—	9	—	—
Metal craftsmen, except mechanics and machinists	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	9	23	—	—	—	—	14	—	13	4	—	—	9
Pumbers and pipe fitters	18	—	—	—	5	—	10	—	11	—	—	—	9
Printing craftsmen	6	4	—	11	—	—	—	12	5	—	—	—	7
Stationary engineers and power station operators	—	—	—	—	—	—	—	61	43	15	—	56	26
Other craftsmen and kindred workers	66	127	—	—	36	21	—	—	—	—	—	—	—
Operatives, except transport													
Assemblers	65	194	—	10	641	15	158	80	66	18	35	59	38
Checkers, examiners, and inspectors, manufacturing	6	—	—	—	15	—	—	—	—	—	—	9	7
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	40	—	—	—	—	—	—	5	—	—	—	3
Precision machine operatives	—	23	—	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	—	62	—	—	—	—	—	—	6	—	—	5	—
Other specified operatives	35	64	—	10	613	5	144	73	43	9	—	40	20
Machine operatives, miscellaneous specified	13	—	—	—	—	—	—	—	—	—	—	—	—
Machine operatives, not specified	—	—	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous operatives	11	5	—	—	6	6	3	4	12	—	11	5	4
Not specified operatives	—	—	—	—	—	—	4	—	—	5	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More										
FLINT SMSA—Continued										
Total employed—Continued										
Transport equipment operatives										
Deliverymen and roulemen	36	110	98	11	16	14	55	5	11	16
Truck drivers	12	48	67	5	9	11	16	5	—	—
Other transport equipment operatives	10	40	15	6	7	3	30	—	—	—
14	—	62	16	—	—	—	—	—	—	—
Laborers, except farm										
Freight, stock, and material handlers	15	119	57	66	57	10	44	17	10	93
Other specified laborers	9	—	9	22	41	—	—	—	6	34
Miscellaneous laborers	6	99	25	44	16	—	39	12	4	59
Miscellaneous laborers	—	13	5	—	—	—	—	—	—	—
Not specified laborers	—	7	18	—	—	10	5	5	—	—
Farm workers										
Service workers, including private household	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	204	32	3 185	359	3 287	1 785	1 338	708	341	1 504
Personal service workers	147	18	57	52	464	203	627	298	167	157
Guards and watchmen	—	104	1 493	107	56	5	254	154	67	36
Other service workers, including private household	52	—	—	—	—	—	14	17	5	8
Other service workers, including private household	5	14	1 635	200	2 760	1 518	443	239	102	1 293
Female employed										
Professional, technical, and kindred workers	801	270	3 720	524	5 688	3 130	5 868	2 536	984	1 749
Accountants	118	16	47	93	1 610	614	3 558	1 439	272	90
Computer specialists	79	—	—	6	10	—	—	—	10	13
Life and physical scientists	—	—	—	—	5	—	—	—	—	5
Registered nurses, dietitians, and therapists	5	—	13	—	11	—	—	—	—	—
Social scientists	4	—	—	—	1 162	417	61	16	23	18
Writers, artists, and entertainers	4	—	—	—	5	9	6	5	—	—
Other professional, technical, and kindred workers	30	16	34	44	—	—	9	—	57	—
Managers and administrators, except farm	11	—	47	25	38	66	83	80	35	112
Salaried	6	—	27	15	38	50	83	80	35	112
Self-employed	5	—	20	10	—	16	—	—	—	—
Sales workers										
Clerical and kindred workers	24	8	16	32	10	—	11	—	5	19
Bookkeepers	549	186	466	137	980	730	1 334	544	435	1 326
Cashiers	66	34	27	22	49	65	62	14	30	92
Counter clerks, except food	6	18	25	38	36	—	46	4	7	156
File clerks	12	13	223	12	14	15	17	20	4	6
Office machine operators	24	—	6	—	—	—	—	—	—	—
Bookkeeping and billing machine operators	76	—	—	—	—	—	16	10	—	—
Receptionists	15	—	—	—	5	—	—	—	—	—
Secretaries	108	55	52	13	138	222	—	6	—	18
Stenographers	—	—	32	—	171	268	555	275	263	205
Typists	63	—	10	—	14	9	15	5	—	36
Other clerical and kindred workers	179	66	18	42	143	78	118	34	45	185
Craftsmen and kindred workers	5	20	20	—	406	73	505	176	59	771
Foremen, n.e.c.	—	—	9	—	—	35	54	11	—	—
Operatives, except transport	32	31	509	—	88	67	12	8	23	6
Assemblers	—	—	15	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	8	—	4	—	—	—	—	—	—	—
Other operatives, except transport	24	31	490	—	88	67	12	8	23	6
Transport equipment operatives										
Laborers, except farm	4	—	—	—	7	11	25	—	—	—
Farm workers	—	4	4	—	42	—	5	—	—	3
Service workers, including private household										
Cleaning service workers	58	5	2 611	237	2 905	1 467	786	454	214	193
Personal service workers	53	—	41	11	342	168	178	92	9	55
Other service workers, including private household	5	—	1 590	177	2 507	1 365	416	223	92	27

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	GRAND RAPIDS SMSA	Total employed	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing						
							Total	Durable goods					
								Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical
203 873	3 951	218	10 581	67 981	10 085	1 008	1 012	2 122	10 368	9 069	4 644		
26 391	113	13	308	5 087	532	43	54	123	586	869	381		
1 876	—	—	19	649	—	—	9	26	93	73	51		
124	—	—	—	—	—	—	—	—	—	—	—		
239	6	7	162	1 661	188	19	16	38	186	402	136		
2 525	—	—	—	33	—	—	—	—	4	—	5		
38	—	—	128	—	—	—	—	—	—	—	—		
232	—	—	19	—	—	—	—	—	—	—	—		
405	—	—	13	206	—	—	—	15	69	32	64		
579	—	—	4	483	—	—	—	12	73	144	13		
427	6	7	11	340	—	—	—	11	36	153	28		
844	6	—	6	580	—	—	—	16	153	—	—		
37	—	—	—	5	—	—	—	—	—	—	—		
314	4	—	—	213	—	—	—	11	20	—	—		
235	—	—	—	213	—	—	—	11	20	—	—		
675	—	10	10	199	17	4	—	13	31	31	22		
207	—	—	—	48	11	—	—	—	10	3	—		
1 766	9	6	84	1 085	95	4	5	29	172	201	90		
875	—	—	25	580	67	—	—	17	127	173	65		
155	—	—	4	97	—	—	—	—	19	5	20		
66	—	—	—	66	—	—	—	9	—	10	—		
1 727	4	—	12	638	98	—	—	5	4	6	55		
16 755	90	—	21	436	29	4	7	6	43	37	5		
15 296	43	36	1 106	3 313	483	80	40	105	467	590	181		
2 471	11	42	548	78	12	—	12	10	89	115	60		
12 875	32	36	1 064	405	80	80	28	95	378	475	121		
10 539	16	31	588	381	80	80	21	85	359	454	117		
2 286	16	5	476	207	—	—	7	10	19	21	4		
17 354	26	—	125	1 863	69	69	24	25	140	193	86		
33 959	84	11	687	7 297	46	46	81	179	954	914	348		
3 647	28	11	125	674	11	11	19	23	45	79	39		
2 340	—	6	—	6	—	—	—	—	—	—	—		
679	—	—	103	133	—	—	—	—	—	—	—		
1 239	—	—	—	449	—	—	—	9	61	48	37		
1 296	6	—	4	750	—	—	—	44	147	84	11		
1 241	—	—	18	677	—	—	15	7	105	107	30		
23 517	50	5	437	4 608	35	35	35	96	585	561	231		
30 810	71	36	6 547	14 789	166	166	234	514	2 263	2 804	791		
81	—	—	62	9	—	—	—	—	21	3	7		
1 922	13	5	402	253	—	—	—	9	15	6	—		
350	—	4	177	177	—	—	4	7	79	42	17		
1 152	—	—	558	391	—	—	5	20	87	48	38		
562	8	9	426	26	—	—	—	—	—	—	—		
4 798	17	4	457	3 280	46	46	50	135	547	397	208		
6 339	17	10	337	1 871	54	54	—	66	224	255	205		
2 435	—	—	28	125	30	30	4	—	4	12	—		
4 076	—	—	5	3 941	16	16	25	138	873	1 680	178		
1 176	—	—	156	951	12	12	132	119	231	184	44		
1 085	—	—	712	211	43	43	5	—	42	45	13		
938	—	—	688	101	18	—	—	5	11	12	10		
1 355	—	—	—	1 260	—	—	—	—	8	19	3		
395	—	—	20	119	—	—	—	5	9	23	6		
6 085	16	4	1 135	2 133	—	—	9	10	107	57	68		
35 800	54	53	443	29 538	371	371	402	1 003	4 827	3 261	2 560		
4 997	—	—	10	4 902	20	20	4	44	744	744	1 116		
2 618	—	—	—	2 618	23	23	43	110	464	234	292		
1 583	—	6	—	1 536	58	58	—	143	462	94	44		
917	—	—	—	830	9	9	14	16	243	40	50		
2 105	—	15	—	2 038	4	4	81	75	282	851	61		
2 323	—	—	—	1 969	177	177	30	11	575	309	188		
13 851	49	53	281	9 104	13	13	93	239	1 215	449	388		
3 279	—	—	10	3 046	91	91	14	226	344	229	169		
1 485	—	—	7	1 387	82	82	14	57	213	236	75		
1 592	—	—	17	1 237	9	9	37	45	134	89	88		
1 050	—	—	11	871	10	10	23	37	151	76	—		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 - Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
Transport equipment operatives	7 782	56	35	430	1 756	251	145	37	47	198	105	112
Deliverymen and roulemen	1 892	5	-	9	298	20	10	7	-	16	15	10
Truck drivers	3 410	46	26	387	644	119	128	25	24	60	57	53
Other transport equipment operatives	2 480	5	9	34	814	112	7	5	23	122	33	102
Lebaners, except farm	8 350	307	30	853	2 641	348	75	119	78	601	184	132
Freight, stock, and material handlers	4 607	4	11	41	1 619	231	45	21	59	463	82	79
Other specified laborers	2 550	300	19	812	396	36	5	6	-	8	53	4
Miscellaneous laborers	531	3	-	-	258	22	5	64	14	66	10	13
Not specified laborers	662	-	-	-	368	59	20	28	5	64	39	36
Farm workers	3 184	3 184	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	24 947	13	4	82	1 697	257	13	21	48	332	149	53
Cleaning service workers	5 718	10	4	71	1 110	166	13	16	42	227	96	26
Personal service workers	2 523	-	-	-	42	10	-	-	-	4	-	4
Guards and watchmen	608	3	-	-	245	39	-	-	-	61	29	12
Other service workers, including private household	16 098	-	-	11	300	42	-	5	6	40	24	11
Female employed	76 183	554	9	617	17 322	2 076	161	99	344	2 685	1 268	1 424
Professional, technical, and kindred workers	10 876	9	-	12	552	28	-	20	22	29	37	41
Accountants	400	-	-	-	95	10	-	4	16	5	8	5
Computer specialists	37	-	-	-	19	-	-	-	-	-	-	6
Life and physical scientists	45	-	-	-	19	-	-	4	-	-	-	-
Registered nurses, dietitians, and therapists	2 265	-	-	-	56	13	-	7	6	6	-	-
Social scientists	21	-	-	-	3	-	-	-	-	-	3	-
Writers, artists, and entertainers	477	-	-	12	137	-	-	-	-	-	3	5
Other professional, technical, and kindred workers	7 631	9	-	-	223	5	-	5	-	18	23	25
Managers and administrators, except farm	2 030	-	-	49	161	18	-	-	-	15	37	-
Salaried	1 685	-	-	30	146	18	-	-	-	15	37	-
Self-employed	345	-	-	19	15	-	-	-	-	-	-	-
Sales workers	6 506	4	-	-	141	12	-	-	-	-	5	14
Clerical and kindred workers	25 165	73	5	420	4 261	693	26	36	79	476	540	216
Bookkeepers	2 899	28	-	98	475	99	-	5	5	35	45	33
Cashiers	2 104	-	-	-	6	-	-	-	-	-	-	-
Counter clerks, except food	431	-	-	-	73	20	-	-	-	4	11	10
File clerks	638	7	-	-	110	26	-	-	4	10	18	5
Office machine operators	921	-	-	-	271	38	-	-	4	47	37	19
Bookkeeping and billing machine operators	138	-	-	-	20	-	-	-	-	16	-	-
Receptionists	903	-	-	5	130	28	-	-	8	23	-	5
Secretaries	7 233	14	5	241	1 421	274	4	6	41	180	223	78
Stenographers	2 245	-	-	-	22	8	-	-	-	37	52	24
Typists	2 169	-	-	11	480	49	4	9	5	37	52	24
Other clerical and kindred workers	7 622	24	-	65	1 273	151	-	16	16	140	149	42
Craftsmen and kindred workers	1 557	5	-	100	824	148	3	11	10	98	40	62
Foremen, n.e.c.	239	-	-	5	124	20	-	-	-	6	5	4
Operatives, except transport	12 659	38	4	4	10 493	1 071	116	32	207	1 778	574	1 052
Assemblers	2 341	-	-	-	2 290	231	15	-	25	445	159	533
Checkers, examiners, and inspectors; manufacturing	1 188	-	-	-	1 188	48	53	32	42	267	86	99
Packers and wrappers, except meat and produce	1 999	27	-	-	873	52	3	-	-	194	23	19
Other operatives, except transport	7 931	11	4	4	6 142	740	45	-	140	872	306	401
Transport equipment operatives	600	-	-	4	37	-	-	-	-	-	-	10
Lebaners, except farm	1 022	52	-	11	547	43	13	-	10	257	15	23
Farm workers	368	368	-	-	-	-	-	-	-	-	-	-
Service workers, including private household	15 400	5	-	17	306	63	3	-	16	32	20	6
Cleaning service workers	1 737	5	-	17	165	37	3	-	16	21	6	-
Personal service workers	1 237	-	-	-	7	-	-	-	-	-	-	-
Other service workers, including private household	11 926	-	-	-	134	26	-	-	-	11	14	6

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

Manufacturing - Continued														
Durable goods - Continued					Nondurable goods									
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified in manufacturing		
GRAND RAPID SMSA														
Total employed.....														
6 222	786	653	16	5 675	3 371	727	1 293	1 582	3 543	2 402	933	2 470		
Professional, technical, and kindred workers.....														
283	168	40	4	497	128	47	57	126	339	331	35	244		
83	39	10	—	44	—	6	22	15	19	14	10	37		
—	—	—	—	—	—	—	—	—	—	—	—	—		
9	—	—	—	20	6	—	—	—	—	10	—	4		
112	67	14	4	322	28	16	5	13	—	31	9	55		
—	—	—	—	—	—	5	—	7	—	17	—	—		
5	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
40	9	—	4	90	15	5	5	—	—	6	9	31		
41	24	9	—	56	7	6	—	—	—	8	—	13		
20	29	5	—	154	—	—	—	6	—	—	—	11		
Mathematical specialists.....														
—	—	—	—	—	—	—	—	—	—	—	—	—		
9	5	—	—	—	—	—	—	5	—	5	6	19		
9	5	—	—	—	—	—	—	5	—	94	6	19		
8	—	—	—	16	10	6	15	5	5	94	5	19		
—	—	—	—	—	—	—	—	5	—	—	—	—		
25	42	11	—	124	44	19	—	32	6	120	5	61		
22	7	—	—	47	6	6	—	6	6	—	—	20		
—	—	—	—	60	—	—	—	—	—	—	—	—		
3	14	—	—	—	6	—	—	—	—	—	—	—		
—	—	—	—	5	—	—	—	—	—	—	—	—		
15	5	—	—	26	—	—	6	25	286	32	—	14		
18	10	5	—	135	21	—	9	26	13	25	—	43		
Managers and administrators, except farm.....														
96	28	17	—	276	216	27	57	49	247	168	73	113		
10	5	—	—	34	50	—	—	—	41	20	9	15		
86	23	17	—	242	166	27	57	49	206	148	64	98		
—	23	17	—	208	159	23	51	49	151	141	59	94		
—	—	—	—	34	7	4	6	—	55	7	5	4		
Self-employed.....														
Sales workers.....														
52	—	19	7	134	126	30	53	119	315	174	26	172		
Clerical and kindred workers.....														
535	87	55	—	611	218	47	123	218	793	465	105	319		
46	13	4	—	55	41	—	7	14	77	43	16	34		
—	—	—	—	—	—	—	—	—	6	—	—	—		
—	—	—	—	—	—	—	4	18	7	16	—	—		
5	—	—	—	—	—	—	—	—	—	—	—	—		
52	4	—	—	34	6	—	—	—	34	35	5	39		
91	5	—	—	18	37	11	25	11	28	25	33	18		
84	11	19	—	58	22	17	20	9	11	40	6	—		
257	54	32	—	446	112	15	45	166	630	306	51	222		
Craftsmen and kindred workers.....														
1 450	134	220	—	962	596	124	149	320	1 167	316	120	287		
12	—	—	—	—	—	—	—	5	5	—	—	—		
—	—	—	—	—	—	—	—	—	—	—	—	—		
4	—	102	—	6	—	—	—	—	—	5	—	—		
29	—	—	—	—	—	—	—	—	—	—	—	—		
73	4	4	—	11	12	—	6	8	—	21	—	14		
10	—	—	—	—	—	—	—	—	—	—	—	—		
287	9	33	—	186	149	66	6	82	60	171	65	87		
302	9	26	—	92	154	25	17	71	28	68	18	44		
67	—	—	—	—	7	—	—	—	—	—	—	—		
583	82	—	—	64	16	18	30	47	12	—	26	10		
70	9	10	—	56	8	—	—	—	—	—	6	7		
5	7	27	—	5	3	—	—	5	—	5	—	11		
36	8	—	—	4	6	—	—	—	—	—	—	—		
4	—	4	—	16	23	4	4	10	1 055	29	5	30		
5	—	—	—	522	225	11	12	11	4	8	—	75		
30	6	14	—	—	—	—	—	—	3	—	—	—		
Operatives, except transport.....														
3 182	352	238	—	2 578	1 397	392	764	615	539	670	508	1 135		
546	75	49	—	505	39	20	42	18	18	42	57	34		
378	79	5	—	137	82	38	50	21	70	77	18	192		
184	27	5	—	80	—	—	—	4	—	3	—	5		
60	—	18	—	61	6	—	—	—	—	11	10	18		
336	31	22	—	97	5	—	—	12	—	—	—	4		
300	51	21	—	18	—	—	—	—	—	—	—	—		
958	27	57	—	1 343	789	334	586	194	162	204	104	628		
142	37	6	—	104	204	—	54	198	101	154	220	85		
169	12	—	—	38	95	—	22	48	103	73	36	15		
—	—	—	—	146	47	—	10	97	83	38	108	108		
62	4	38	—	49	90	—	—	12	10	68	23	30		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

Manufacturing—Continued												
Durable goods—Continued					Nondurable goods							
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
186	10	6	—	112	291	—	5	64	39	85	29	34
Deliverymen and roulemen	—	—	—	25	175	—	—	—	19	11	—	—
Truck drivers	5	6	—	41	55	—	—	21	20	39	13	17
Other transport equipment operators	5	—	—	46	61	—	5	43	—	35	16	—
Laborers, except farm	300	12	5	164	238	60	44	62	27	65	24	98
Freight, stock, and material handlers	204	5	5	46	149	35	33	38	21	43	19	37
Other specified laborers	44	8	—	109	42	25	5	6	6	6	—	33
Miscellaneous laborers	39	—	—	4	12	—	—	—	—	—	—	9
Not specified laborers	13	—	—	5	35	—	6	18	—	16	5	19
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	138	2	46	141	161	—	41	9	77	128	13	68
Cleaning service workers	88	2	22	57	119	—	30	9	61	91	13	32
Personal service workers	12	—	—	7	17	—	—	—	—	5	—	—
Guards and watchmen	20	—	19	5	17	—	11	—	5	22	—	5
Other service workers, including private household	18	—	5	72	25	—	—	—	11	10	—	31
Female employed	1 554	151	101	5	1 546	1 021	790	441	1 353	752	345	937
Professional, technical, and kindred workers	20	6	5	—	47	35	13	9	142	36	—	41
Accountants	9	6	—	—	10	4	—	4	14	5	—	4
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	4	—	—	—	4	—	—	—	—	11	—	—
Registered nurses, dietitians, and therapists	7	—	—	—	4	—	4	—	—	4	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	6	—	116	4	—	3
Other professional, technical, and kindred workers	—	—	5	—	27	13	11	5	12	12	—	34
Managers and administrators, except farm	5	—	—	—	—	—	6	7	18	20	5	6
Salaried	5	—	—	—	—	—	6	7	14	20	5	6
Self-employed	—	—	—	—	—	—	—	—	4	—	—	—
Sales workers	—	—	—	—	19	—	14	11	21	6	—	34
Clerical and kindred workers	178	38	21	—	132	15	62	164	625	302	47	258
Bookkeepers	22	9	—	—	32	7	7	9	70	33	10	34
Cashiers	—	—	—	—	—	—	—	—	—	—	—	—
Counter clerks, except food	—	—	—	—	—	—	—	—	3	18	—	—
File clerks	—	—	—	—	—	—	—	5	23	12	—	7
Office machine operators	16	—	—	—	6	—	11	—	29	25	—	31
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	9	16	—	4
Receptionists	5	—	—	—	5	—	—	18	139	100	33	30
Secretaries	55	19	21	—	34	6	6	55	—	—	—	5
Stenographers	23	6	—	—	—	—	7	10	129	40	—	30
Typists	57	4	—	—	55	9	31	60	217	58	4	117
Other clerical and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—
Craftsmen and kindred workers	33	—	16	—	72	4	16	10	194	27	—	14
Foremen, n.e.c.	4	—	9	—	23	4	16	5	5	18	—	—
Operatives, except transport	1 261	107	50	—	682	237	661	222	325	326	277	534
Assemblers	309	61	24	—	22	20	38	18	10	37	46	14
Checkers, examiners, and inspectors; manufacturing	138	5	—	—	69	38	20	16	64	72	18	81
Packers and wrappers, except meat and produce	45	—	—	—	368	13	21	24	11	71	15	5
Other operatives, except transport	769	41	26	—	661	166	570	164	240	146	198	434
Transport equipment operators	8	—	—	—	10	—	—	—	—	—	—	—
Laborers, except farm	21	—	4	5	37	—	6	18	12	14	11	29
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	28	—	5	—	34	—	4	—	16	21	5	21
Cleaning service workers	9	—	—	—	19	—	—	—	11	11	—	10
Personal service workers	—	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	19	—	5	—	15	—	—	—	5	10	—	11

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Railroads and railway express service	Trucking service and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
GRAND RAPIDS SMSA												
Total employed.....	1 435	3 631	1 297	2 395	2 237	11 794	6 514	6 443	4 192	6 775	10 960	5 159
Professional, technical, and kindred workers.....	36	63	71	350	147	400	135	76	54	36	511	244
Accountants.....	4	28	14	18	12	103	50	8	54	—	40	105
Architects.....	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists.....	—	9	—	—	—	33	—	—	—	—	—	—
Engineers.....	11	5	—	83	48	141	18	—	—	6	16	18
Chemical.....	—	—	—	—	—	—	—	—	—	—	—	—
Civil.....	—	—	—	—	—	9	—	—	—	—	—	—
Electrical and electronic.....	11	—	—	79	27	11	—	—	—	—	—	—
Industrial.....	—	—	—	—	—	9	—	—	—	—	—	—
Mechanical.....	—	5	—	—	9	10	12	—	—	—	—	—
Other engineers.....	—	—	—	4	12	102	—	—	—	6	16	7
Mathematical specialists.....	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists.....	—	—	—	—	5	5	—	—	—	—	—	—
Chemists.....	—	—	—	—	5	—	—	—	—	—	—	—
Personnel and labor relations workers.....	6	15	—	17	20	24	44	17	—	11	20	28
Social scientists.....	—	—	—	—	—	13	—	—	—	—	—	—
Engineering and science technicians.....	6	—	—	41	47	34	4	—	—	—	21	4
Draftsmen.....	6	—	—	37	15	25	—	—	—	—	11	—
Electrical and electronic engineering technicians.....	—	—	—	—	—	5	—	—	—	—	—	—
Industrial and mechanical engineering technicians.....	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science writers, artists, and entertainers.....	—	—	39	18	—	28	—	—	—	—	—	—
Other professional, technical, and kindred workers.....	9	6	10	167	15	19	—	—	—	19	62	27
Managers and administrators, except farm												
Boys, purchasing agents, and sales managers.....	167	195	136	220	141	1 651	761	629	613	614	1 300	785
Other managers and administrators.....	167	185	132	202	9	551	451	208	74	9	322	34
Salaried.....	167	176	114	202	132	1 100	310	421	539	605	978	751
Self-employed.....	—	9	18	—	—	983	249	279	337	406	646	687
Sales workers.....	10	46	5	76	68	1 117	61	142	202	199	332	64
Clertical and kindred workers.....	179	761	210	1 017	563	2 696	3 119	955	791	91	4 319	1 071
Bookkeepers.....	7	76	28	86	121	454	1 404	1 814	354	332	1 796	2 700
Cashiers.....	—	11	—	23	20	500	371	183	121	23	470	304
Estimators and investigators, n.e.c.....	10	22	—	36	10	110	10	110	11	226	294	52
Office machine operators.....	5	87	—	5	29	12	42	34	11	—	12	51
Shipping and receiving clerks.....	—	46	4	5	5	259	34	43	3	6	19	37
Stock clerks and storeroomers.....	5	10	—	4	26	143	90	88	18	5	57	9
Other clerical and kindred workers.....	132	509	178	939	394	1 404	669	338	187	72	875	2 065
Craftsmen and kindred workers.....	558	368	68	655	816	1 130	342	333	997	52	1 094	99
Blacksmiths, forgersmen, hammermen, and boilermakers.....	—	—	—	—	5	—	—	—	—	—	—	—
Brickmasons and stonemasons.....	—	—	—	—	—	15	—	—	—	—	—	—
Carpenters.....	8	—	4	—	—	—	—	3	—	4	39	18
Cranemen, derrickmen, and hoistmen.....	11	6	—	—	—	—	—	—	—	—	—	—
Electricians.....	48	—	—	—	37	29	13	7	—	5	12	—
Excavating, grading, and road machine operators.....	—	12	6	—	33	10	—	—	—	—	—	—
Foremen, e.c.....	56	85	5	60	101	290	74	66	16	7	85	16
Mechanics and repairmen.....	136	229	53	174	174	483	140	68	931	347	347	5
Automobile, including body.....	—	215	31	6	5	134	46	24	902	—	12	—
Mechanists, job setters, and toolmakers.....	24	—	—	—	11	24	12	—	3	—	7	—
Metal craftsmen, except mechanics and machinists.....	30	—	—	—	—	20	19	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers.....	9	—	—	18	5	16	—	12	—	5	6	—
Plumbers and pipe fitters.....	—	11	—	—	46	4	—	—	4	—	26	—
Printing craftsmen.....	—	—	—	—	—	24	11	—	—	—	—	—
Stationary engineers and power station operators.....	—	—	—	—	131	5	—	—	—	—	—	—
Other craftsmen and kindred workers.....	236	15	—	567	253	166	73	177	43	31	548	36
Operatives, except transport.....	54	66	19	22	78	1 144	131	761	1 131	17	426	9
Assemblers.....	—	—	—	—	—	28	—	—	4	—	7	—
Checkers, examiners, and inspectors; manufacturing.....	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers.....	—	—	—	—	—	—	—	—	—	—	—	—
Pointers, manufactured articles.....	—	—	—	—	—	9	—	—	—	—	—	—
Precision machine operatives.....	—	—	—	—	—	17	—	—	—	—	—	—
Welders and flamecutters.....	19	9	—	—	5	83	—	—	—	—	—	—
Other specified operatives.....	11	51	4	6	34	687	91	699	1 082	10	331	4
Machine operatives, miscellaneous specified.....	4	6	—	—	24	30	14	9	13	7	30	5
Machine operatives, not specified.....	—	—	—	—	—	132	10	25	—	—	—	—
Miscellaneous operatives.....	8	—	15	12	10	55	—	—	—	—	—	—
Not specified operatives.....	12	—	—	—	5	—	—	—	6	—	22	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
The State												
Standard Metropolitan Statistical Areas												
of 250,000 or More												
GRAND RAPIDS SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	284	1 739	733	6	140	1 172	104	174	87	53	526	6
Deliverymen and routemen	5	180	12	6	27	603	94	83	14	40	313	—
Truck drivers	13	1 497	12	13	102	421	30	30	76	—	140	—
Other transport equipment operatives	266	62	721	—	—	148	—	61	21	13	73	6
Laborers, except farm	103	360	24	10	225	884	115	1 450	99	21	307	65
Freight, stock, and material handlers	25	332	5	6	59	700	109	1 407	10	10	139	—
Other specified laborers	24	18	15	—	73	90	6	5	58	—	101	61
Miscellaneous laborers	64	4	4	—	71	39	—	10	—	—	26	4
Not specified laborers	10	10	—	4	22	55	—	34	25	11	41	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	44	33	31	39	59	263	403	251	66	5 559	681	180
Cleaning service workers	23	30	5	29	49	202	85	109	66	—	131	157
Personal service workers	—	3	6	5	—	9	28	7	—	—	5	3
Guard and watchmen	12	—	—	—	—	11	48	29	—	4	—	4
Other service workers, including private household	9	—	20	5	10	41	242	106	—	5 464	545	16
Female employed	83	515	513	1 127	371	2 607	4 647	2 607	403	4 296	4 948	2 852
Professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—
Accountants	9	—	17	55	11	29	77	17	12	5	88	68
Computer specialists	4	—	14	13	—	14	33	8	12	—	7	44
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	5	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	3	10	—	4	14	—	—	—	25	11
Other professional, technical, and kindred workers	—	—	—	32	11	—	30	9	—	5	56	13
Managers and administrators, except farm	—	9	17	38	5	56	280	74	12	124	285	118
Salaried	—	9	17	38	5	50	265	35	12	83	184	105
Self-employed	—	—	—	—	—	6	15	—	—	41	101	13
Sales workers	5	—	—	12	5	143	2 580	593	17	62	2 337	226
Clerical and kindred workers	58	448	99	940	310	1 667	1 251	1 427	289	268	1 476	2 354
Bookkeepers	—	42	18	23	62	364	117	172	100	14	398	247
Cashiers	—	11	—	6	20	6	365	968	10	188	282	52
Counter clerks, except food	—	—	—	4	—	32	30	8	—	10	20	—
File clerks	5	9	—	10	—	28	58	15	17	—	18	61
Office machine operators	—	69	—	—	—	113	28	37	4	6	31	194
Bookkeeping and billing machine operators	—	—	—	—	—	16	10	—	4	—	9	54
Receptionists	—	4	—	—	9	58	12	—	—	—	8	25
Secretaries	24	112	16	82	67	507	74	72	83	23	223	650
Stenographers	10	—	5	9	9	9	5	—	—	—	5	4
Typists	4	77	26	30	45	151	54	25	37	4	63	180
Other clerical and kindred workers	15	124	34	776	98	399	508	130	29	23	442	941
Craftsmen and kindred workers	4	6	—	41	—	64	48	43	14	26	126	6
Foremen, n.e.c.	—	—	—	16	—	16	22	6	—	—	5	—
Operatives, except transport	2	31	—	6	8	448	90	184	33	12	166	5
Assemblers	—	—	—	—	—	19	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	9	—	—	—	188	53	36	—	5	9	—
Other operatives, except transport	2	22	—	6	8	271	37	148	33	7	157	5
Transport equipment operatives	—	21	380	—	22	27	19	7	16	—	6	—
Laborers, except farm	—	—	—	6	5	100	22	153	5	—	33	5
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	5	—	—	29	5	73	280	109	5	3 799	431	70
Cleaning service workers	5	—	—	19	—	43	14	16	5	10	35	56
Personal service workers	—	—	—	5	—	21	23	—	—	—	5	3
Other service workers, including private household	—	—	—	5	—	—	243	93	—	3 784	391	11

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More												
GRAND RAPIDS SMSA												
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertain- ment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organi- zations	Other professional and related services	Public adminis- tration
Total employed	3 089	3 004	1 345	6 009	1 268	6 895	4 932	9 209	6 020	3 361	4 093	5 330
Professional, technical, and kindred workers	457	60	51	156	246	2 393	1 638	5 771	3 620	1 489	2 035	679
Accountants	102	—	11	10	—	18	5	—	6	19	406	129
Architects	5	—	—	—	—	—	—	—	—	—	114	5
Computer specialists	5	—	—	—	—	4	—	6	6	—	19	—
Engineers	26	5	4	5	—	15	—	—	—	6	196	57
Chemical	—	—	—	5	—	—	—	—	—	—	—	—
Civil	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	—	—	—	—	—	—	—	—	—	—	—	—
Industrial	16	—	—	—	—	—	—	—	—	—	—	—
Mechanical	—	—	—	—	—	—	—	—	—	—	—	—
Other engineers	10	5	4	—	—	5	—	—	—	6	42	20
Mathematical specialists	—	—	—	—	—	10	—	—	—	—	—	—
Life and physical scientists	4	—	—	—	—	12	17	6	8	5	17	14
Chemists	—	—	—	—	—	4	6	—	2	—	—	—
Personnel and labor relations workers	—	—	—	—	—	21	—	17	11	17	12	57
Social scientists	32	—	—	6	—	10	9	55	65	11	8	12
Engineering and science technicians	20	6	—	5	—	—	—	5	3	—	246	73
Draftsmen	9	6	—	—	—	—	—	—	—	—	164	27
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	123	11	25	106	140	9	5	9	31	161	119	48
Other professional, technical, and kindred workers	30	38	11	24	106	2 304	1 602	5 673	3 493	1 270	876	275
Managers and administrators, except farm	313	212	171	303	130	132	150	409	278	278	162	742
Buyers, purchasing agents, and sales managers	24	12	13	9	4	5	7	25	6	—	—	23
Other managers and administrators	289	200	158	294	126	127	143	384	272	278	162	719
Salaried	184	148	96	169	99	127	107	384	262	278	141	719
Self-employed	105	52	62	125	27	—	36	—	10	—	21	—
Sales workers	180	58	5	110	56	16	—	6	44	36	19	32
Clerical and kindred workers	1 019	291	221	545	140	1 029	707	1 487	1 011	713	1 148	2 278
Bookkeepers	83	77	74	31	19	36	69	35	11	69	143	94
Cashiers	4	9	6	17	61	24	—	35	—	4	4	28
Estimators and investigators, n.e.c.	68	13	5	5	—	12	—	—	—	—	—	49
Office machine operators	62	5	6	11	—	23	—	19	31	5	18	22
Shipping and receiving clerks	16	—	—	3	5	7	—	5	—	—	—	—
Stock clerks and storekeepers	14	11	—	5	—	—	—	20	—	—	—	—
Other clerical and kindred workers	772	176	130	473	55	913	638	1 374	917	635	976	12
Craftsmen and kindred workers	209	1 625	40	139	55	101	143	136	77	22	82	182
Blacksmiths, forgers, and toolmakers	—	14	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	7	—	7	—	5	11	5	18	12	6	12	5
Cement masons, bricklayers, and blocklayers	—	—	—	—	—	—	—	—	—	—	—	—
Electricians	4	10	—	—	6	15	—	8	—	—	4	11
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	33	41	10	26	—	8	18	35	12	—	—	21
Mechanics and repairmen	55	1 243	43	43	29	4	9	10	30	—	—	80
Automobile, including body	—	812	—	17	—	—	—	15	6	—	—	50
Machinists, job setters, and toolmakers	5	31	—	—	—	9	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	11	26	12	9	5	19	6	5	—	—	—	7
Plumbers and pipe fitters	14	—	—	—	—	6	—	4	—	5	—	10
Printing craftsmen	5	—	5	7	—	4	—	—	—	11	—	14
Stationary engineers and power station operators	—	—	—	—	10	21	—	15	5	—	5	—
Other craftsmen and kindred workers	70	244	6	54	—	—	105	41	18	—	52	29
Operatives, except transport	153	276	34	884	34	156	84	62	34	30	68	39
Assemblers	5	—	—	10	8	—	—	—	—	6	17	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	14	—	4	—	—	6	—	—	—	—	—
Painters, manufactured articles	—	57	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	7	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	—	106	—	—	—	—	—	—	—	—	—	—
Other specified operatives	74	63	34	844	17	141	74	38	18	20	6	6
Machine operatives, miscellaneous specified	—	—	—	4	9	—	4	—	6	—	25	—
Machine operatives, not specified	19	5	—	—	—	10	—	7	—	—	—	—
Miscellaneous operatives	40	21	—	5	—	5	—	11	5	4	—	—
Not specified operatives	15	3	—	17	—	—	—	—	5	—	6	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More											
GRAND RAPIDS SMSA—Continued											
Total employed—Continued											
Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
43	95	—	167	7	5	9	39	10	6	23	77
20	10	—	155	7	5	3	4	—	—	9	18
18	22	—	6	—	—	6	26	10	—	8	42
5	63	—	6	—	—	—	—	—	6	6	17
16	286	10	162	105	46	26	15	29	18	37	100
5	13	—	46	4	13	—	—	6	11	45	45
—	256	5	68	101	33	21	11	18	—	24	49
—	16	—	25	—	—	5	4	—	2	—	—
11	14	5	23	—	—	—	—	5	5	13	6
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
699	101	813	3 543	495	3 017	2 175	1 284	917	769	519	1 201
498	33	338	1 572	149	386	150	777	503	464	52	176
—	—	93	1 572	149	77	54	186	138	113	10	15
166	—	5	1 860	284	13	1 960	321	9	192	457	37
35	62	377	—	—	2 541	—	—	267	—	—	973
1 327	388	759	4 456	585	5 425	3 632	5 866	3 591	1 663	2 053	1 315
108	—	14	65	121	1 929	715	3 732	2 114	448	500	148
35	—	—	10	—	4	5	—	6	—	79	5
—	—	—	—	—	—	—	—	—	—	14	—
—	—	—	—	—	—	—	—	—	—	4	—
9	—	—	6	—	8	12	—	2	30	25	11
6	—	—	—	—	1 511	550	48	10	—	—	—
13	—	—	30	—	—	—	5	—	—	—	—
45	—	14	19	44	—	—	—	16	123	17	4
—	—	—	—	77	402	148	3 679	2 080	293	361	128
28	3	61	71	13	31	96	123	93	88	62	86
17	3	34	56	8	31	46	123	93	88	62	86
11	—	27	15	5	—	30	—	—	—	—	—
34	15	5	61	41	10	—	6	25	20	—	12
856	224	117	501	116	980	678	1 372	887	662	1 055	953
83	62	40	15	14	36	69	34	52	46	133	66
4	9	19	17	6	22	—	28	—	—	4	23
—	—	5	210	5	44	16	47	22	14	11	16
39	—	—	—	—	17	—	15	17	5	8	18
58	5	—	11	—	—	—	—	—	—	—	9
—	—	—	6	—	—	—	—	—	—	—	4
44	5	5	61	—	—	212	17	90	25	46	4
255	48	35	61	12	312	288	495	406	397	563	141
16	—	—	—	—	11	6	9	6	82	23	78
100	6	—	21	6	97	53	74	46	82	53	190
257	89	9	105	18	303	45	658	248	84	214	417
9	52	—	25	6	16	51	35	17	11	15	4
4	—	—	4	—	8	18	—	7	—	—	4
—	—	—	—	—	—	—	—	—	—	—	—
73	35	27	724	14	93	70	16	19	19	40	5
5	—	—	10	—	—	—	—	—	6	11	—
17	—	—	—	—	—	—	—	—	—	—	—
51	35	27	707	14	93	70	16	19	5	29	5
—	12	—	—	—	—	3	26	10	6	—	4
—	—	—	—	—	13	6	—	—	5	7	3
—	—	—	—	—	—	—	—	—	—	—	—
219	47	535	2 960	274	2 353	2 013	556	426	404	374	100
215	6	260	1 324	25	242	97	117	107	170	22	27
—	—	68	1 112	18	65	138	138	93	71	10	3
4	41	207	1 794	185	2 048	1 862	301	226	163	342	66

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							
					Total	Durable goods						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
LANSING SMSA												
Total employed	149 431	3 716	244	8 662	37 113	926	1 533	557	1 392	3 301	405	
Professional, technical, and kindred workers	25 831	98	28	1 061	2 651	40	48	17	49	379	41	
Accountants	1 414	4	5	70	254	13	6	4	—	26	5	
Architects	117	12	—	4	—	—	—	—	—	—	—	
Computer specialists	2 696	—	—	18	929	—	6	10	39	200	15	
Engineers	2 122	10	9	445	—	11	17	—	—	—	—	
Chemical	20	—	—	4	5	—	—	—	—	—	—	
Civil	620	—	—	371	13	—	—	—	13	—	—	
Electrical and electronic	205	—	—	4	57	6	5	—	10	4	5	
Industrial	414	—	—	—	351	5	5	—	6	44	5	
Mechanical	382	6	—	13	300	—	5	5	6	59	5	
Other engineers	481	4	9	53	203	—	12	5	10	93	—	
Mathematical specialists	114	—	—	7	34	—	—	—	—	—	—	
Life and physical scientists	539	9	5	18	35	—	—	—	—	—	—	
Chemists	159	—	—	13	31	—	—	—	—	—	—	
Personnel and labor relations workers	607	—	—	16	144	5	5	—	—	6	—	
Social scientists	263	—	—	6	39	—	—	—	—	—	—	
Engineering and science technicians	1 633	10	9	355	480	5	14	3	10	87	16	
Draftsmen	845	5	—	254	340	—	10	—	10	78	11	
Electrical and electronic engineering technicians	157	—	—	14	—	—	—	—	—	4	5	
Industrial and mechanical engineering technicians	157	—	—	25	—	—	—	—	—	—	—	
Mechanics, except health, and engineering and science	208	—	—	8	52	5	—	—	—	—	—	
Technicians, except health, and engineering and science	1 483	15	—	59	420	6	—	—	—	16	5	
Writers, artists, and entertainers	38	—	—	55	219	6	—	—	—	22	—	
Other professional, technical, and kindred workers	16 635	38	—	—	—	—	—	—	—	—	—	
Managers and administrators, except farm	10 507	36	9	864	1 077	24	68	15	58	153	16	
Buyers, purchasing agents, and sales managers	1 276	—	—	64	249	6	14	—	16	33	—	
Other managers and administrators	9 231	36	9	800	828	18	54	15	42	120	16	
Salaried	7 876	36	9	566	765	13	54	15	42	115	16	
Self-employed	1 355	—	—	234	63	5	—	—	—	5	—	
Sales workers	10 578	8	18	56	898	12	26	5	20	60	51	
Clerical and kindred workers	29 874	109	39	774	3 475	25	107	44	152	326	27	
Bookkeepers	3 007	23	11	146	368	4	22	—	26	56	—	
Cashiers	1 767	5	—	30	—	—	—	—	—	—	—	
Estimators and investigators, n.e.c.	427	—	—	39	—	—	6	—	10	—	—	
Office machine operators	1 392	—	—	19	267	6	—	5	23	26	—	
Shipping and receiving clerks	544	—	—	23	323	8	18	30	18	29	—	
Stock clerks and storekeepers	848	—	—	23	328	9	54	30	75	193	22	
Other clerical and kindred workers	21 889	81	28	556	2 410	15	—	—	—	—	—	
Craftsmen and kindred workers	19 393	38	62	4 275	8 822	92	564	86	256	919	41	
Blacksmiths, forgers, and toolmakers	160	—	—	5	138	—	83	—	10	13	—	
Brickmasons and stonemasons	1 275	—	—	246	24	—	19	—	—	—	—	
Carpenters	1 154	—	—	933	60	10	—	—	5	5	—	
Cranemen, derrickmen, and hoistmen	233	—	—	99	107	—	23	—	—	—	—	
Electricians	957	—	14	450	396	9	31	—	5	44	—	
Excavating, grading, and road machine operators	363	13	15	289	14	6	—	—	—	—	—	
Foremen, n.e.c.	2 783	19	11	292	1 665	46	76	33	83	147	15	
Mechanics and repairmen	4 833	—	—	268	1 918	4	57	—	22	142	—	
Automobile, including body	2 343	—	—	51	1 039	—	10	—	5	6	—	
Machinists, job setters, and toolmakers	2 060	—	—	39	1 996	—	159	53	64	469	10	
Metal craftsmen, except mechanics and machinists	881	—	—	134	717	—	79	—	41	61	—	
Painters, construction and maintenance, and plasterers and paperhangers	505	—	—	234	100	—	—	—	—	15	—	
Plumbers and pipe fitters	761	—	—	405	288	—	—	—	—	5	—	
Printers	629	—	—	510	—	—	—	—	—	—	—	
Stationary engineers and power station operators	256	—	12	6	39	—	—	—	5	—	—	
Other craftsmen and kindred workers	3 543	6	10	914	870	16	37	—	21	18	16	
Operatives, except transport	19 998	31	64	375	16 015	183	609	330	734	1 285	215	
Assemblers	3 963	—	—	—	3 900	41	42	17	59	145	35	
Checkers, examiners, and inspectors; manufacturing	2 203	—	—	—	2 203	11	90	60	64	164	31	
Filers, polishers, sanders, and buffers	466	4	5	5	2	11	26	60	24	13	—	
Painters, manufactured articles	484	—	—	438	438	5	—	43	18	15	—	
Precision machine operatives	1 270	5	—	6	1 234	16	36	6	129	304	11	
Welders and flamecutters	1 238	—	7	55	1 049	5	15	6	58	134	9	
Other specified operatives	6 623	11	52	272	3 632	67	238	57	207	125	32	
Machine operatives, miscellaneous specified	1 338	5	—	24	1 121	54	61	38	63	85	20	
Machine operatives, not specified	901	—	—	26	823	6	39	38	34	218	14	
Miscellaneous operatives	842	6	—	3	842	24	17	3	33	41	17	
Not specified operatives	670	—	—	4	583	29	59	—	45	41	—	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

**The State
Standard Metropolitan Statistical Areas
of 250,000 or More**

LANSING SMSA—Continued

Total employed—Continued

Transport equipment operatives.....	4 955	28	20	297	1 730	17	99	32	7	70	44	9
Deliverymen and routemen.....	1 135	24	20	280	182	6	16	11	7	19	6	—
Truck drivers.....	2 033	4	—	55	697	11	47	21	—	30	34	—
Other transport equipment operatives.....	1 788	—	—	—	840	—	36	—	—	21	24	9
Labors, except farm.....	5 007	145	4	870	1 188	41	24	67	34	35	63	—
Freight, stock, and material handlers.....	2 226	—	—	—	598	18	20	20	29	16	19	—
Other specified laborers.....	2 112	139	4	864	300	18	4	30	—	13	24	—
Miscellaneous laborers.....	235	—	—	—	79	5	—	7	—	6	—	—
Not specified laborers.....	434	6	—	—	211	—	—	10	5	—	20	—
Farm workers.....	3 204	3 204	—	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	20 083	19	—	90	1 057	4	12	19	19	18	52	5
Cleaning service workers.....	4 427	19	—	72	740	—	12	19	16	18	47	5
Personal service workers.....	2 151	—	—	4	19	—	—	—	—	—	—	—
Guards and watchmen.....	475	—	—	5	143	4	—	—	3	—	5	—
Other service workers, including private household.....	13 030	—	—	9	155	—	—	—	—	—	—	—
Female employed.....	57 608	409	45	695	6 332	76	330	74	224	326	468	183
Professional, technical, and kindred workers.....	9 969	14	—	50	236	—	6	6	—	—	5	—
Accountants.....	407	—	—	20	37	—	—	—	—	—	—	—
Computer specialists.....	125	—	—	5	6	—	—	—	—	—	—	—
Life and physical scientists.....	121	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists.....	1 485	—	—	—	28	—	—	—	—	—	—	—
Social scientists.....	47	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers.....	471	5	—	1	118	—	6	—	—	—	—	—
Other professional, technical, and kindred workers.....	7 313	9	—	24	47	—	—	—	—	—	—	—
Managers and administrators, except farm.....	1 660	6	—	9	51	—	9	5	—	3	7	—
Salaried.....	1 429	6	—	9	41	—	5	5	—	3	7	—
Self-employed.....	231	—	—	—	10	—	4	—	—	—	—	—
Sales workers.....	4 560	3	7	14	114	—	5	—	—	—	9	—
Clerical and kindred workers.....	23 421	104	23	543	1 965	15	71	43	30	92	208	17
Bookkeepers.....	2 475	23	—	83	262	4	10	13	—	22	44	—
Cashiers.....	520	5	—	7	37	—	—	—	—	—	—	—
Counter clerks, except food.....	315	—	—	15	80	—	2	—	—	4	5	—
File clerks.....	848	—	—	19	196	—	—	6	—	—	16	—
Office machine operators.....	1 059	—	—	—	15	—	—	—	—	—	5	—
Bookkeeping and billing machine operators.....	131	—	—	—	—	—	—	—	—	—	—	—
Receptionists.....	837	16	—	7	13	—	—	4	—	—	—	—
Secretaries.....	6 580	38	17	153	577	11	25	9	10	29	100	6
Stenographers.....	440	—	—	16	64	—	—	—	6	—	—	—
Typists.....	2 592	6	—	140	231	—	6	—	—	9	15	—
Other clerical and kindred workers.....	6 755	16	6	103	480	—	15	5	14	28	23	11
Craftsmen and kindred workers.....	846	6	9	38	265	5	5	4	—	10	11	5
Foremen, n.e.c.....	155	—	—	—	43	—	—	—	—	5	—	—
Operatives, except transport.....	4 541	6	6	21	3 371	56	234	16	171	217	218	161
Assemblers.....	957	—	—	—	952	10	36	—	7	39	44	—
Checkers, examiners, and inspectors; manufacturing.....	645	—	—	—	645	11	123	—	48	13	73	19
Packers and wrappers, except meat and produce.....	242	6	—	—	192	—	34	—	4	—	—	—
Other operatives, except transport.....	2 697	—	6	21	1 582	35	41	16	112	165	101	111
Transport equipment operatives.....	472	—	—	5	55	—	—	—	—	—	—	—
Labors, except farm.....	331	40	—	6	88	—	—	—	23	—	—	—
Farm workers.....	230	230	—	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	11 578	—	—	9	187	—	—	—	—	4	10	—
Cleaning service workers.....	1 032	—	—	9	127	—	—	—	—	—	10	—
Personal service workers.....	1 524	—	—	—	8	—	—	—	—	—	—	—
Other service workers, including private household.....	9 022	—	—	—	52	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Manufacturing — Continued													
Durable goods — Continued					Nondurable goods								
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing	
LANSGING SMSA													
21 660	31	81	—	2 373	1 185	35	107	115	1 838	234	442	494	
1 503	—	—	—	122	43	—	—	6	322	17	22	36	
174	—	—	—	8	—	—	—	—	13	—	—	5	
5	—	—	—	—	—	—	—	—	—	—	—	—	
59	—	—	—	—	5	—	—	—	—	—	5	8	
607	—	—	—	17	—	—	—	—	—	—	5	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
42	—	—	—	—	—	—	—	—	—	—	—	—	
278	—	—	—	4	—	—	—	—	—	—	—	—	
220	—	—	—	5	—	—	—	—	—	—	—	—	
67	—	—	—	8	—	—	—	—	—	—	—	8	
29	—	—	—	5	—	—	—	—	—	—	—	—	
13	—	—	—	—	16	—	—	—	—	6	—	—	
13	—	—	—	—	12	—	—	—	—	6	—	—	
124	—	—	—	—	—	—	—	—	—	—	—	4	
32	—	—	—	—	7	—	—	—	—	—	—	—	
303	—	—	—	—	15	—	—	—	—	11	11	5	
231	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	5	—	
47	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
72	—	—	—	—	—	—	—	6	309	—	6	—	
85	—	—	—	92	—	—	—	—	—	—	—	14	
345	—	11	—	87	101	6	11	10	86	10	24	24	
96	—	—	—	6	34	6	—	—	28	5	—	—	
249	—	11	—	81	67	—	11	10	58	5	24	24	
249	—	7	—	75	62	—	5	5	48	5	20	15	
—	—	4	—	6	5	—	6	5	10	—	4	9	
73	4	4	—	60	65	—	32	9	281	54	8	75	
1 953	5	—	—	218	126	6	11	3	395	42	62	73	
122	—	—	—	39	39	6	7	—	40	4	6	11	
5	—	—	—	4	5	—	—	—	6	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	16	—	—	—	5	8	10	—	
196	—	—	—	—	16	—	—	—	5	—	—	—	
118	5	—	—	4	9	—	—	—	5	—	14	—	
242	—	—	—	—	37	—	—	—	334	30	32	62	
1 245	—	—	—	203	—	—	4	3	—	—	—	—	
5 310	10	33	—	441	216	7	6	12	539	27	86	62	
26	—	6	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	—	—	—	
27	—	9	—	—	—	4	—	—	—	—	—	—	
84	—	—	—	—	16	—	—	—	—	—	—	—	
291	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	—	—	—	—	—	
1 021	—	3	—	21	47	3	—	12	48	4	45	—	
1 520	10	10	—	21	64	—	—	4	5	4	16	19	
1 008	5	—	—	5	—	—	—	—	—	—	—	—	
1 215	—	—	—	—	—	—	—	—	—	—	6	—	
516	—	—	—	14	—	—	6	—	—	—	—	—	
85	—	—	—	—	—	—	—	—	—	—	—	—	
260	—	—	—	3	—	—	—	—	—	—	—	—	
10	—	—	—	—	15	—	—	—	486	—	14	—	
19	—	—	—	—	74	—	—	—	—	—	—	—	
232	—	5	—	377	—	—	—	—	—	—	5	43	
9 982	12	28	—	1 098	402	10	42	48	162	36	218	179	
3 449	—	10	—	35	18	—	6	10	15	—	12	5	
1 540	7	—	—	5	—	—	—	—	—	—	54	20	
252	—	4	—	—	—	—	—	—	—	—	—	—	
348	—	—	—	4	—	—	—	—	—	—	—	—	
666	—	—	—	10	—	—	—	—	—	—	—	—	
791	—	—	—	10	12	—	—	—	—	—	5	14	
1 413	5	5	—	956	198	10	25	5	35	10	85	105	
581	—	—	—	12	76	—	—	23	46	6	24	5	
364	—	—	—	7	9	—	—	4	28	—	21	6	
301	—	—	—	33	41	—	—	6	33	10	8	6	
257	—	9	—	26	34	—	5	—	—	—	—	14	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More														
Manufacturing—Continued														
Durable goods—Continued						Nondurable goods								
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transport equipment	Ordnance	Other durable goods		Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscel- laneous plastic products	Other nondurable goods, incl. not specified manufacturing	
LANSING SMSA—Continued														
Total employed—Continued														
Transport equipment operatives														
Deliverymen and routemen	1 144	—	—	132	101	6	16	16	6	6	6	6	5	
Truck drivers	42	—	—	4	78	—	—	—	—	16	—	—	—	
Other transport equipment operatives	494	—	—	27	14	—	—	—	11	—	—	—	—	
	608	—	—	101	9	6	—	—	5	—	—	—	—	
Laborers, except farm														
Freight, stock, and material handlers	645	—	5	87	99	—	6	14	27	16	20	16	25	
Other specified laborers	365	5	—	5	66	—	6	4	5	5	7	5	16	
Miscellaneous laborers	108	—	—	77	16	—	—	—	—	10	—	—	—	
Miscellaneous laborers	40	—	—	—	4	—	—	—	—	—	—	—	9	
Not specified laborers	132	—	—	5	13	—	—	—	—	—	—	—	—	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	705	—	—	128	32	—	5	5	5	23	15	—	15	
Cleaning service workers	533	—	—	20	27	—	—	—	5	23	15	—	5	
Personal service workers	11	—	—	3	—	—	—	—	—	—	—	—	—	
Guards and watchmen	120	—	—	6	—	—	—	5	—	—	—	—	—	
Other service workers, including private household	41	—	—	99	5	—	—	—	—	—	—	—	10	
Female employed	2 735	4	15	347	227	10	58	13	770	57	217	—	198	
Professional, technical, and kindred workers														
Accountants	78	—	—	6	10	—	—	—	—	120	—	—	5	
Computer specialists	24	—	—	—	—	—	—	—	—	8	—	—	—	
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Registered nurses, dietitians, and therapists	28	—	—	—	—	—	—	—	—	—	—	—	—	
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	112	—	—	—	
Other professional, technical, and kindred workers	26	—	—	6	10	—	—	—	—	—	—	—	5	
Managers and administrators, except farm	5	—	7	6	—	—	—	—	—	4	—	—	5	
Self-employed	5	—	7	6	—	—	—	—	—	4	—	—	5	
Sales workers	9	4	—	—	4	—	—	5	—	73	—	—	5	
Clerical and kindred workers	823	—	—	87	88	6	11	3	336	29	43	63	63	
Bookkeepers	55	—	—	7	39	6	7	—	40	—	6	6	6	
Cashiers	5	—	—	4	5	—	—	—	—	8	—	—	—	
Counter clerks, except food	15	—	—	—	—	—	4	—	—	—	—	—	—	
File clerks	38	—	—	—	—	—	—	—	—	26	5	—	—	
Office machine operators	140	—	—	—	16	—	—	—	—	5	8	5	—	
Bookkeeping and billing machine operators	5	—	—	—	—	—	—	—	—	—	—	—	—	
Receptionists	261	—	—	—	—	—	—	—	—	5	5	—	—	
Secretaries	4	—	—	—	10	—	—	—	3	70	6	18	8	
Stenographers	50	—	—	—	7	—	—	—	—	54	8	—	—	
Typists	128	—	—	—	11	—	—	—	—	122	4	6	49	
Other clerical and kindred workers	127	—	—	65	11	—	—	—	—	—	—	—	—	
Craftsmen and kindred workers	52	—	5	4	10	—	—	—	—	110	10	24	10	
Foremen, n.e.c.	5	—	—	—	5	—	—	—	—	7	6	5	—	
Operatives, except transport	1 555	—	3	214	105	4	42	5	5	117	9	150	94	
Assemblers	764	—	—	5	5	—	6	5	—	5	—	—	—	
Checkers, examiners, and inspectors; manufacturing	264	—	—	5	5	—	6	—	—	15	—	54	14	
Packers and wrappers, except meat and produce	39	—	—	5	48	—	—	—	—	—	5	57	—	
Other operatives, except transport	488	—	3	204	52	4	30	—	—	97	4	39	80	
Transport equipment operatives	39	—	—	5	—	—	—	5	—	6	—	—	—	
Laborers, except farm	47	—	—	7	5	—	—	—	—	—	—	—	6	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	127	—	—	18	5	—	—	—	—	4	9	—	10	
Cleaning service workers	100	—	—	—	—	—	—	—	—	4	—	—	—	
Personal service workers	—	—	—	3	—	—	—	—	—	—	—	—	—	
Other service workers, including private household	27	—	—	15	5	—	—	—	—	—	—	—	5	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
LANSING SMSA												
Total employed	381	1 245	778	1 417	1 753	4 516	4 392	3 016	3 223	4 952	8 055	3 955
Professional, technical, and kindred workers												
Accountants		36	21	192	193	165	78	21	33	29	256	118
Architects		5			5	33		5	17		37	47
Computer specialists		10			11	13	10				6	14
Engineers		11		39	53	46	6		5		23	5
Chemical						5						
Civil				5	11							
Electrical and electronic				34	19	12						
Industrial		5			5							
Mechanical					12							
Other engineers		6			6	29	6		5			
Mathematical specialists						5						
Life and physical scientists												
Chemists					8							
Personnel and labor relations workers		5		9	9							
Social scientists						11						
Engineering and science technicians				41	27	10						
Electric and electronic engineering technicians				4	4	5						
Mechanical and mechanical engineering technicians				37	17							
Technician, except health, and engineering and science												
Writers, artists, and entertainers			16	19	6	9			5			
Other professional, technical, and kindred workers		5	5	70	5	33	19	10	6	19	13	11
Managers and administrators, except farm				14	60		4					
Buyers, purchasing agents, and sales managers	55	71	42	126	62	640	494	419	531	494	1 029	673
Other managers and administrators	55	71	38	126	62	151	220	107	86	8	225	289
Sales	55	66	18	121	56	438	274	312	445	486	317	651
Self-employed		5		5		51	26	111	271	309	538	642
Sales workers	5	27	10	48	3	1 020	2 085	448	469	177	256	9
Clerical and kindred workers	50	226	106	541	428	865	842	730	276	292	1 426	738
Bookkeepers		14	26	23	37	133	78	37	142	25	358	289
Cashiers					5		312	526	5	212	14	
Estimators and investigators, n.e.c.				30		27	31	6	5		19	75
Office machine operators				5	24	17	14		5		14	127
Shipping and receiving clerks		31				108	58		5		46	8
Stock clerks and storekeepers		11			19	131	72	57	16		50	
Other clerical and kindred workers	45	165	80	513	313	449	277	98	98	55	636	1 540
Craftsmen and kindred workers	123	98	41	485	619	396	218	136	824	26	764	38
Blacksmiths, forgers, hammermen, and boilermakers												
Brickmasons and stonemasons					5							
Carpenters					4	6	3				21	6
Cranemen, derrickmen, and hoistmen					5	22						
Electricians	5				28	4						
Excavating, grading, and road machine operators					16							
Foremen, n.e.c.	17	21		21	135	106	49	43	14	5	5	4
Mechanics and repairmen	43	67	41	133	133	156	112	10	740	5	959	11
Automobile, including body		63	14	6	6	13	15	10	684		15	
Machinists, job setters, and toolmakers	5					10			16		4	
Metal craftsmen, except mechanics and machinists						4					10	
Painters, construction and maintenance, and plasterers and paperhangers					9	11	5			5	10	4
Plumbers and pipe fitters				6	19	5	5				14	
Printing craftsmen											5	
Stationary engineers and power station operators					142	72						
Other craftsmen and kindred workers	48	10		458	123		44	83	34	11	373	10
Operatives, except transport	18	44	17	5	126	424	109	348	866	15	239	13
Assemblers	4					13	4		9		11	
Checkers, examiners, and inspectors; manufacturing												
Filers, polishers, sanders, and buffers					5				21		5	
Painters, manufactured articles									32			
Precision machine operatives												
Welders and flamecutters	9	5	6		14	20					6	
Other specified operatives	5	29			62	234	96	318	796		189	4
Machine operatives, miscellaneous specified		10			23	54	5	12	8		12	
Machine operatives, not specified					6	37		5				
Miscellaneous operatives			11	5	9	44	4	5		15	9	
Not specified operatives					5	22		13	6		7	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
The State												
Standard Metropolitan Statistical Areas												
of 250,000 or More												
LANSGING SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	66	622	521	10	133	587	74	34	61	68	289	16
Deliverymen and routemen	5	87	10	5	12	314	65	25	20	62	148	5
Truck drivers	5	535	10	5	70	219	5	9	41	6	101	11
Other transport equipment operatives	61	—	511	—	51	54	4	—	—	—	40	—
Laborers, except farm	31	110	9	—	127	352	198	751	79	—	244	66
Freight, stock, and material handlers	—	84	4	—	49	192	192	732	15	—	153	6
Other specified laborers	—	4	5	—	46	34	6	19	59	—	65	45
Miscellaneous laborers	31	11	—	—	22	27	—	—	—	—	3	5
Not specified laborers	—	11	—	—	10	56	—	—	5	—	23	10
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	33	11	11	10	62	67	294	129	64	3 933	519	234
Personal service workers	6	11	11	5	50	45	67	36	58	56	98	206
Guards and watchmen	3	—	—	—	6	6	31	—	—	31	—	9
Other service workers, including private household	24	—	—	5	6	16	164	87	6	3 842	416	14
Female employed	5	164	431	570	282	899	3 001	1 217	269	2 957	3 822	2 153
Professional, technical, and kindred workers	—	—	—	24	18	5	40	6	—	18	42	18
Accountants	—	—	—	—	5	—	5	—	—	—	14	15
Computer specialists	—	—	—	—	—	—	—	—	—	—	6	—
Life insurance salesmen	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	6	—	—	—	—
Social scientists, statisticians, and mathematicians	—	—	—	—	4	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	5	9	5	19	—	—	13	5	—
Other professional, technical, and kindred workers	—	—	—	19	9	—	16	—	—	5	12	3
Managers and administrators, except farm	—	4	23	4	8	50	157	76	9	134	179	158
Salaried	—	4	18	4	8	41	142	46	9	78	128	153
Self-employed	—	—	5	—	—	9	15	30	—	56	51	5
Sales workers	—	—	10	8	—	102	1 691	316	4	37	1 790	172
Clerical and kindred workers	5	126	70	509	227	571	737	579	216	228	1 152	1 699
Bookkeepers	—	14	26	23	27	97	78	31	118	10	99	258
Cashiers	—	—	—	15	5	4	307	474	5	174	266	14
Counter clerks, except food	—	—	—	—	—	—	14	—	—	10	17	—
File clerks	—	—	—	5	24	20	14	5	5	—	22	50
Office machine operators	—	—	—	—	—	27	14	—	—	—	9	83
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	106	44
Receptionists	—	62	6	20	37	202	22	33	5	19	154	45
Secretaries	—	24	6	5	42	40	52	—	18	—	8	43
Stenographers	—	24	6	3	92	175	185	36	25	15	299	92
Typists	5	26	32	436	—	—	—	—	—	—	—	752
Other clerical and kindred workers	—	—	—	—	5	5	38	50	9	5	130	—
Craftsmen and kindred workers	—	—	—	15	5	—	15	—	—	5	22	—
Foremen, n.e.c.	—	—	—	6	—	—	—	—	—	—	—	—
Operatives, except transport	—	9	—	5	5	118	81	74	20	8	108	13
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	—	9	—	5	5	107	12	62	20	8	98	13
Transport equipment operatives	—	10	328	—	13	10	20	—	—	—	—	5
Laborers, except farm	—	11	—	—	—	28	33	41	—	—	13	9
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	—	4	—	5	6	10	204	75	11	2 527	408	79
Personal service workers	—	4	—	—	—	10	14	6	5	6	48	70
Other service workers, including private household	—	—	—	5	—	—	31	—	6	11	5	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More												
LANSING SMSA												
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertain- ment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organi- zations	Other professional and related services	Public adminis- tration
Total employed	1 906	1 497	1 216	4 112	891	4 152	3 577	19 834	4 317	2 680	3 524	11 357
Professional, technical, and kindred workers	322	32	68	125	232	1 392	1 472	10 513	1 776	1 061	1 724	1 938
Accountants	54	4	16	—	4	18	20	63	10	42	276	375
Architects	—	—	—	—	—	—	—	—	—	—	72	20
Computer specialists	16	5	—	—	—	—	47	155	34	44	33	128
Engineers	32	—	—	10	—	4	36	91	11	10	152	186
Chemical	—	—	—	—	—	—	—	6	—	—	—	—
Civil	—	—	—	4	—	—	21	8	—	5	56	115
Electrical and electronic	6	—	—	—	—	—	—	46	5	—	12	10
Industrial	6	—	—	—	—	4	—	—	—	5	9	15
Mechanical	11	—	—	6	—	—	4	11	—	—	14	5
Other engineers	9	—	—	—	—	—	—	20	6	—	61	41
Mathematical specialists	—	—	—	—	—	—	15	4	—	5	4	36
Life and physical scientists	—	—	—	—	—	8	62	228	22	6	19	119
Chemists	—	—	—	—	—	—	17	46	—	6	33	5
Personnel and labor relations workers	50	—	—	5	—	10	19	59	6	17	5	170
Social scientists	25	—	—	—	—	4	10	42	—	6	117	6
Engineering and science technicians	39	—	—	24	5	—	8	298	50	4	131	132
Draftsmen	27	—	—	24	—	—	—	28	4	—	88	60
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	16	—	4	—	25
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	—	—	—	—	—	—	—	44	20	—	—	81
Writers, artists, and entertainers	64	—	5	81	138	—	14	182	60	80	123	75
Other professional, technical, and kindred workers	42	23	47	5	85	1 348	1 241	9 347	1 563	847	909	499
Managers and administrators, except farm	183	170	98	227	98	109	132	850	187	326	107	1 172
Buyers, purchasing agents, and sales managers	16	4	—	—	—	18	—	12	10	5	36	—
Other managers and administrators	167	166	98	227	98	91	132	838	177	321	107	1 136
Salaried	124	121	75	182	91	91	110	838	174	321	97	1 136
Self-employed	43	45	23	45	27	—	22	—	3	—	10	—
Sales workers	139	40	—	37	40	4	—	35	36	12	32	10
Clerical and kindred workers	755	198	243	436	111	666	833	3 773	1 109	810	1 038	5 972
Bookkeepers	66	42	13	36	13	61	52	137	70	72	142	465
Cashiers	6	46	16	25	39	7	12	111	45	—	—	29
Estimators and investigators, n.e.c.	20	10	—	5	—	—	4	—	—	4	10	117
Office machine operators	43	6	—	—	—	34	28	136	25	30	68	372
Shipping and receiving clerks	—	—	—	—	—	5	6	—	5	—	—	15
Stock clerks and storekeepers	6	—	—	—	—	—	—	40	13	12	—	55
Other clerical and kindred workers	614	94	185	370	59	547	731	3 333	951	692	818	4 919
Craftsmen and kindred workers	113	733	49	120	35	69	81	527	161	38	58	406
Blacksmiths, farriers, harnessmen, and boilermakers	—	—	—	4	—	—	—	—	—	—	—	6
Brickmasons and stonemasons	—	6	—	—	—	16	—	45	14	—	—	31
Carpenters	5	—	—	4	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	—	5	10	—	—	—	5	17	10	—	—	6
Electricians	—	—	—	—	—	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	15	38	—	9	—	13	9	122	29	14	6	57
Mechanics and repairmen	60	567	15	24	30	6	16	87	30	6	4	212
Automobile, including body	—	321	—	—	—	—	6	12	9	—	—	79
Machinists, job setters, and toolmakers	—	11	—	—	—	—	—	13	5	—	—	—
Metal craftsmen, except mechanics and machinists	—	—	—	—	5	—	—	6	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	5	9	—	11	—	10	—	61	7	—	—	19
Plumbers and pipe fitters	—	—	5	—	—	15	—	31	10	4	4	11
Printing craftsmen	—	—	—	—	—	3	—	31	5	10	—	28
Stationary engineers and power station operators	—	—	9	—	—	17	—	18	8	—	—	—
Other craftsmen and kindred workers	28	92	10	68	—	4	46	105	37	4	44	36
Operatives, except transport	63	163	12	514	21	82	58	195	47	9	25	80
Assemblers	—	12	—	—	—	—	—	—	—	—	—	10
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	14	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	18	—	7	—	—	—	—	—	—	—	—
Welders and flamecutters	—	63	—	—	—	—	—	—	—	—	—	—
Other specified operatives	51	25	12	503	16	82	47	108	24	5	25	23
Machine operatives, miscellaneous specified	—	11	—	—	5	—	—	31	6	—	—	5
Machine operatives, not specified	—	9	—	—	—	—	—	—	—	4	—	7
Miscellaneous operatives	—	11	—	—	—	—	11	5	17	—	—	20
Not specified operatives	12	—	—	4	—	—	—	—	—	—	—	10

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

LANSING SMSA – Continued

Total employed—Continued

Transport equipment operatives
 Truck drivers
 Other transport equipment operatives

Laborers, except farm
 Freight, stock, and material handlers
 Other specified laborers
 Miscellaneous laborers
 Not specified laborers

Farm workers

Service workers, including private household
 Cleaning service workers
 Personal service workers
 Guards and watchmen
 Other service workers, including private household

Female employed

Professional, technical, and kindred workers
 Accountants
 Computer specialists
 Life and physical scientists
 Registered nurses, dietitians, and therapists
 Social scientists
 Writers, artists, and entertainers
 Other professional, technical, and kindred workers

Managers and administrators, except farm
 Salaried
 Self-employed

Sales workers

Clerical and kindred workers
 Bookkeepers
 Cashiers
 Counter clerks, except food
 File clerks
 Office machine operators
 Bookkeeping and billing machine operators
 Receptionists
 Secretaries
 Stenographers
 Typists
 Other clerical and kindred workers

Craftsmen and kindred workers
 Foremen, n.e.c.

Operatives, except transport
 Assemblers
 Checkers, examiners, and inspectors; manufacturing
 Packers and wrappers, except meat and produce
 Other operatives, except transport

Transport equipment operatives
 Laborers, except farm
 Farm workers

Service workers, including private household
 Cleaning service workers
 Personal service workers
 Other service workers, including private household

Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
26	50	11	63	-	9	4	121	28	-	11	77
15	-	-	52	-	9	-	33	13	-	5	6
6	-	-	6	-	-	-	24	15	-	-	55
5	50	11	5	-	-	4	64	-	-	6	16
48	42	19	130	61	41	7	170	23	28	43	217
11	37	13	75	61	32	7	41	5	5	76	76
9	10	6	17	-	-	-	102	13	18	38	122
28	-	-	33	-	-	-	9	5	5	10	10
-	-	-	-	-	-	-	18	-	-	5	9
-	-	-	-	-	-	-	-	-	-	-	-
257	69	716	2 460	293	1 780	990	3 650	950	396	486	1 485
165	29	168	53	49	209	144	1 312	178	178	31	173
66	-	165	1 022	80	30	16	432	141	84	17	59
26	40	383	1 385	164	1 531	820	14	5	134	-	166
-	-	-	-	-	-	-	1 892	386	-	438	1 087
956	261	773	3 074	359	3 396	2 445	10 208	2 678	1 331	1 878	5 513
113	-	29	37	104	1 155	695	4 884	1 074	322	563	471
24	-	-	-	-	12	18	18	5	22	36	162
-	-	-	-	-	-	17	20	10	5	8	42
-	-	-	-	-	-	28	32	9	30	5	31
4	-	10	5	-	934	346	85	9	30	5	8
14	-	-	27	30	-	4	25	29	43	47	13
71	-	19	5	74	209	292	4 601	1 016	222	462	187
26	29	35	83	10	14	71	169	41	60	28	165
19	29	26	79	5	14	49	169	38	60	28	165
7	-	9	4	5	-	22	-	3	-	-	-
26	10	-	18	28	4	-	22	25	12	23	-
664	139	199	394	88	632	788	3 166	1 004	723	909	4 721
46	42	31	31	8	61	49	70	65	65	94	396
6	10	12	25	34	7	6	112	45	-	-	23
32	6	54	112	10	7	17	77	5	-	-	5
39	-	-	9	-	16	23	85	18	13	-	341
39	6	-	-	-	29	28	89	5	28	45	307
23	-	-	-	-	11	5	10	5	5	36	36
179	24	17	44	-	107	196	182	56	14	5	63
10	-	54	38	14	153	302	1 419	436	378	289	1 022
108	-	-	11	11	51	23	53	9	10	10	216
221	51	37	122	11	203	83	255	112	82	56	950
19	20	10	21	-	11	78	877	248	128	470	1 398
-	-	-	5	-	8	4	92	29	6	6	27
24	26	12	390	5	63	31	24	8	-	-	6
-	-	-	-	-	-	-	87	26	4	20	8
4	-	-	-	-	-	-	-	-	-	-	-
20	26	12	390	5	63	31	87	26	4	20	8
-	-	-	3	-	-	-	17	-	-	6	-
-	11	-	5	-	9	-	10	-	8	5	10
-	-	-	-	-	-	-	-	-	-	-	-
84	26	488	2 123	124	1 508	839	1 751	479	202	318	111
74	-	120	39	18	132	51	126	97	51	10	15
143	-	143	756	23	137	16	306	93	67	30	30
10	26	225	1 328	83	1 359	772	1 319	289	84	295	66

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More													
TOLEDO, OHIO-MICH., SMSA—Continued													
Total employed—Continued													
	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Total	Manufacturing							
						Durable goods							Electrical machinery, equipment, and supplies
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical		
Transport equipment operatives	11 302	70	30	415	3 108	39	506	105	113	273	101	32	
Deliverymen and routemen	2 170	4	—	18	618	5	31	9	5	39	5	7	
Truck drivers	4 910	54	30	339	910	21	268	11	23	79	52	14	
Other transport equipment operatives	4 222	12	—	58	1 580	13	207	85	85	155	44	11	
Laborers, except farm	12 643	458	61	1 643	4 028	137	595	278	75	383	175	162	
Freight, stock, and material handlers	6 269	11	35	46	2 234	53	384	63	30	251	99	87	
Other specified laborers	4 117	418	10	1 597	615	28	45	18	14	52	19	27	
Miscellaneous laborers	637	19	5	—	235	5	5	118	5	23	4	—	
Not specified laborers	1 620	10	—	—	944	51	161	79	26	57	46	44	
Farm workers	3 198	3 198	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	34 487	26	41	99	2 286	56	274	100	43	163	178	59	
Cleaning service workers	7 129	6	20	47	1 508	36	178	56	37	108	142	45	
Personal service workers	3 870	—	—	—	21	—	4	—	—	—	—	—	
Guards and watchmen	1 069	15	5	7	392	20	64	34	—	29	18	—	
Other service workers, including private household	22 419	5	16	45	365	—	28	10	6	26	18	14	
Female employed	96 186	629	39	877	17 457	521	2 344	157	293	1 340	1 745	1 754	
Professional, technical, and kindred workers	14 839	26	—	22	646	14	130	5	5	29	43	34	
Accountants	459	6	—	—	139	4	22	—	—	8	9	7	
Computer specialists	74	—	—	—	24	—	9	—	—	6	—	—	
Life and physical scientists	32	—	—	—	8	—	4	—	—	—	—	—	
Registered nurses, dietitians, and therapists	3 318	10	—	4	78	—	16	5	5	—	—	—	
Social scientists	31	—	—	—	5	—	—	—	—	—	—	—	
Writers, artists, and entertainers	729	—	—	14	150	4	26	—	—	4	7	5	
Other professional, technical, and kindred workers	10 196	10	—	4	242	6	53	—	—	11	22	22	
Managers and administrators, except farm	3 196	8	—	37	196	15	43	—	—	30	25	—	
Salaried	2 679	8	—	28	185	15	35	—	—	30	25	—	
Self-employed	517	—	—	9	11	—	8	—	—	—	—	—	
Sales workers	7 965	5	—	74	177	—	—	—	—	8	5	4	
Clerical and kindred workers	33 189	44	34	580	6 781	192	1 375	87	145	466	845	427	
Bookkeepers	3 964	12	16	150	730	28	95	—	12	47	125	35	
Cashiers	2 889	—	—	—	35	—	4	—	—	—	6	9	
Counter clerks, except food	594	—	—	—	72	—	10	—	—	—	10	—	
File clerks	813	—	—	5	193	4	14	6	9	15	42	27	
Office machine operators	1 296	7	—	17	454	5	79	—	10	31	84	32	
Bookkeeping and billing machine operators	1 252	—	—	26	90	—	8	—	—	20	5	—	
Receptionists	9 025	10	14	245	2 671	80	822	39	75	189	227	147	
Secretaries	339	—	—	14	111	—	22	3	—	6	22	10	
Stenographers	3 144	—	—	61	175	23	118	10	10	42	75	10	
Typists	10 051	10	4	62	1 669	52	209	33	29	96	195	76	
Other clerical and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	
Craftsman and kindred workers	1 588	6	—	120	709	27	39	29	42	29	84	57	
Foremen, n.e.c.	291	—	—	—	160	—	14	—	4	9	26	17	
Operatives, except transport	10 606	—	5	5	8 266	215	678	32	91	725	733	1 195	
Assemblers	1 795	—	—	—	1 749	26	94	—	16	85	303	367	
Checkers, examiners, and inspectors; manufacturing	1 281	—	—	—	1 281	13	266	8	41	105	113	303	
Packers and wrappers, except meat and produce	1 059	—	—	—	816	11	80	—	—	59	25	—	
Other operatives, except transport	6 471	—	5	5	4 420	165	238	24	34	476	292	426	
Transport equipment operatives	935	—	—	10	52	—	16	—	—	—	—	—	
Laborers, except farm	982	40	—	13	343	33	35	4	10	30	10	18	
Farm workers	500	500	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	22 386	—	—	16	287	25	28	—	—	23	—	19	
Cleaning service workers	2 528	—	—	16	151	25	9	—	—	11	—	5	
Personal service workers	2 074	—	—	—	—	—	—	—	—	—	—	—	
Other service workers, including private household	17 184	—	—	—	136	—	19	—	—	12	—	14	

Table 180. **Occupation of Employed Persons by Industry Group and Sex: 1970—Continued**

Data based on sample, see text. For meaning of symbols, see text.

The State Standard Metropolitan Statistical Areas of 250,000 or More

TOLEDO, OHIO-MICH., SMSA[illegible]

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More														
Manufacturing—Continued														
Durable goods—Continued						Nondurable goods								
Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods		Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing	
TOLEDO, OHIO-MICH., SMSA—Continued														
Total employed—Continued														
Transport equipment operatives														
Deliverymen and routemen	—	8	5	160	591	23	—	—	142	40	110	55	117	
Truck drivers	—	8	5	23	386	—	—	—	33	29	10	16	14	
Other transport equipment operatives	—	—	—	131	154	19	—	—	40	7	61	33	53	
Laborers, except farm														
Freight, stock, and material handlers	23	12	—	212	269	15	57	146	108	43	134	103	223	
Other specified laborers	11	3	—	34	175	15	37	108	64	19	64	46	72	
Miscellaneous laborers	7	—	—	140	24	—	—	—	11	15	18	10	72	
Not specified laborers	5	9	—	38	17	—	—	6	6	—	5	5	—	
	163	—	—	—	53	—	14	21	9	9	47	42	79	
Farm workers														
	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household														
Cleaning service workers	14	40	10	184	136	22	11	72	47	56	85	37	115	
Personal service workers	8	34	—	77	108	11	5	5	17	49	68	20	34	
Guards and watchmen	—	—	—	—	5	11	6	—	—	—	—	9	—	
Other service workers, including private household	6	6	10	100	23	—	—	—	8	7	17	8	39	
Female employed														
Professional, technical, and kindred workers	133	78	36	1 503	943	102	457	753	750	350	956	764		
Accountants	5	—	—	72	9	15	6	32	77	36	17	32		
Computer specialists	10	—	—	4	4	—	—	22	—	—	5	—		
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—		
Registered nurses, dietitians, and therapists	—	—	—	—	—	4	—	—	—	—	—	—		
Social scientists	—	—	—	—	—	—	—	—	—	—	8	7		
Writers, artists, and entertainers	5	—	—	15	—	—	—	—	4	70	—	—		
Other professional, technical, and kindred workers	23	5	—	39	5	11	—	6	4	4	8	5	19	
Managers and administrators, except farm	—	—	—	—	10	—	—	—	—	17	5	10	—	
Salaried	19	—	—	22	10	—	—	—	—	14	5	10	—	
Self-employed	—	—	—	—	—	—	—	—	—	3	—	—	—	
Sales workers														
Clerical and kindred workers	—	—	6	6	25	—	5	6	6	76	—	—	20	
Bookkeepers	71	24	30	451	263	51	58	208	377	174	208	255		
Cashiers	5	—	—	37	68	—	18	40	55	30	26	25		
Counter clerks, except food	—	—	—	4	5	4	—	—	—	5	—	—	—	
File clerks	4	—	5	20	—	—	5	—	10	16	—	—	—	
Office machine operators	42	—	—	4	31	6	6	9	12	—	6	14		
Bookkeeping and billing machine operators	7	—	—	19	—	—	—	—	—	—	—	—		
Receptionists	—	—	6	—	—	4	—	—	—	11	—	—		
Secretaries	14	19	5	104	69	10	11	53	75	73	83	91		
Stenographers	483	—	—	4	—	—	—	—	6	10	36	13	12	
Typists	11	5	—	29	18	14	5	41	52	30	67	113		
Other clerical and kindred workers	131	13	14	230	72	13	13	59	131	90	4	35	30	
Craftsmen and kindred workers	98	11	—	43	53	—	17	21	35	5	4	19	—	
Foremen, n.e.c.	25	—	—	4	7	—	17	9	5	4	—	—	—	
Operatives, except transport														
Assemblers	1 067	57	33	825	535	36	339	455	77	120	645	408		
Checkers, examiners, and inspectors, manufacturing	470	5	5	196	—	—	18	29	6	12	110	7		
Packers and wrappers, except meat and produce	107	9	—	24	34	—	11	125	—	16	54	52		
Other operatives, except transport	55	—	—	39	258	—	10	24	—	22	82	52		
Transport equipment operatives	435	43	28	566	243	36	300	277	71	70	399	297		
Laborers, except farm														
	10	—	—	—	6	—	—	8	10	2	—	—	—	
Farm workers	48	5	—	35	29	—	27	16	4	5	27	7		
Service workers, including private household														
Cleaning service workers	61	—	5	49	13	—	5	7	22	6	12	12		
Personal service workers	37	—	5	14	9	—	—	3	15	—	8	5		
Other service workers, including private household	24	—	—	35	4	—	—	4	7	6	4	7		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Total employed	Professional, technical, and kindred workers	Railroads and railway express service	Trucking service and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
									General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
TOLEDO, OHIO-MICH., SMSA	4 653	5 286	2 802	2 803	4 390	10 762	8 299	6 589	5 670	9 638	12 848	3 109	6 412	
Accountants	58	31	165	333	383	467	143	45	67	114	665	39	241	
Architects	17	10	3	5	35	105	26	9	30	10	37	18	112	
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Engineers	10	5	96	106	154	138	8	5	24	5	35	4	41	
Chemical	—	—	—	—	—	—	—	—	—	—	—	—	—	
Civil	—	—	—	—	—	—	—	—	—	—	—	—	—	
Electrical and electronic	5	5	4	97	64	5	—	—	4	—	—	—	—	
Industrial	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mechanical	5	—	4	5	11	44	—	—	13	5	5	5	—	
Other engineers	—	—	88	5	30	10	—	—	7	—	23	—	—	
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Life and physical scientists	5	—	—	—	—	—	—	—	—	—	—	—	—	
Chemists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Physicians and labor relations workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Social scientists	—	8	6	19	44	44	47	—	—	10	20	8	17	
Engineers and science technicians	5	—	20	6	14	26	—	—	—	—	6	4	9	
Professors	—	—	—	55	50	50	10	—	—	—	19	—	9	
Electrical and electronic engineering technicians	5	—	—	9	57	36	4	—	—	—	13	—	9	
Industrial and mechanical engineering technicians	—	—	—	46	—	—	—	—	—	—	—	—	—	
Technicians, except health, and engineering and science	—	8	30	30	10	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	4	—	112	112	9	16	46	11	6	89	75	—	4	
Other professional, technical, and kindred workers	17	—	10	—	24	24	6	20	7	—	468	—	18	
Managers and administrators, except farm	606	292	251	244	193	1 522	867	940	982	1 013	1 771	321	1 147	
Buyers, purchasing agents, and sales managers	15	10	5	24	28	359	484	269	122	18	465	61	147	
Other managers and administrators	591	282	246	220	165	1 163	381	471	860	995	1 276	280	1 098	
Salaried	591	253	228	214	165	1 022	357	455	520	592	890	245	1 031	
Self-employed	—	29	18	6	—	141	26	216	320	403	386	15	67	
Sales workers	19	82	24	65	57	2 106	4 203	945	960	137	4 489	1 378	1 094	
Clerical and kindred workers	415	901	341	1 268	800	2 517	1 840	1 818	550	511	2 273	1 317	3 100	
Bookkeepers	62	97	28	51	48	540	205	213	218	129	483	113	413	
Cashiers	3	14	32	8	26	47	566	1 222	33	267	512	77	77	
Estimators and investigators, n.e.c.	17	25	38	10	55	33	44	—	39	—	15	52	91	
Office machine operators	45	30	—	10	17	—	62	36	6	6	28	36	243	
Shipping and receiving clerks	33	174	21	101	113	230	101	30	5	—	14	—	—	
Stock clerks and storekeepers	38	22	5	128	44	230	166	147	22	10	164	—	12	
Other clerical and kindred workers	437	539	255	1 184	610	1 433	684	170	227	99	1 057	1 116	2 264	
Craftsmen and kindred workers	1 867	556	307	813	1 696	1 230	329	229	1 293	42	1 223	4	87	
Blacksmiths, forgers, hammermen, and boiler-makers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—	
Carpenters	11	—	8	—	11	5	6	7	—	—	4	—	—	
Cranemen, derrickmen, and hoistmen	5	—	10	—	—	40	—	—	15	—	14	—	6	
Electricians	54	—	17	5	109	19	4	—	—	—	4	—	—	
Excavating, grading, and road machine operators	5	6	5	—	74	408	—	—	—	—	—	—	—	
Foremen, n.e.c.	159	43	—	72	222	514	73	49	21	6	72	—	12	
Mechanics and repairmen	338	338	183	329	384	1 117	117	31	1 252	10	338	—	8	
Automobile, including body	—	299	76	13	47	110	27	27	1 233	—	34	—	—	
Machinists, job setters, and toolmakers	20	17	—	—	12	32	—	—	—	—	—	—	—	
Metal craftsmen, except mechanics and machinists	—	4	—	—	10	22	—	—	—	—	10	—	—	
Painters, construction and maintenance, and plasterers and paperhangers	—	9	—	—	5	—	—	—	5	—	14	—	23	
Plumbers and pipe fitters	10	—	4	—	106	13	7	—	—	—	28	—	6	
Printing craftsmen	8	—	—	—	293	13	19	—	—	—	10	—	—	
Stationary engineers and power station operators	1 261	5	18	680	459	131	103	5	—	—	729	4	9	
Other craftsmen and kindred workers	26	26	19	—	—	—	—	137	—	26	—	—	13	
Operatives, except transport	126	81	390	17	210	806	118	823	1 542	29	472	11	39	
Assemblers	—	—	—	—	6	25	—	—	—	—	17	—	7	
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	
Filers, polishers, sanders, and buffers	—	4	—	—	—	—	—	—	—	—	4	—	6	
Painters, manufacturers of articles	—	—	—	—	—	—	—	—	18	—	—	—	—	
Precision machine operatives	—	9	—	—	44	25	—	—	5	—	—	—	—	
Welders and flamecutters	36	7	—	—	40	—	—	—	—	—	13	—	—	
Other specified operatives	36	37	318	5	61	443	104	752	1 484	24	351	—	16	
Machine operatives, miscellaneous specified	8	5	16	—	30	119	—	8	12	5	8	—	6	
Machine operatives, not specified	29	5	10	—	18	59	—	—	—	—	—	—	—	
Miscellaneous operatives	29	4	46	12	47	73	9	36	16	—	29	—	4	
Not specified operatives	12	10	—	—	—	22	5	27	—	—	41	—	—	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade	
The State												
Standard Metropolitan Statistical Areas												
of 250,000 or More												
TOLEDO, OHIO-MICH., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	992	2 695	954	9	341	1 059	119	156	84	135	449	26
Deliverymen and routemen	5	12	13	—	16	462	113	77	36	124	293	22
Truck drivers	33	2 223	13	9	134	442	6	63	48	11	118	4
Other transport equipment operatives	954	2 429	929	—	191	155	—	16	—	—	38	—
Laborers, except farm	255	595	202	15	551	870	301	1 457	152	32	638	177
Freight, stock, and material handlers	51	510	124	5	287	631	283	1 409	30	—	343	27
Other specified laborers	8	31	36	—	171	62	5	33	107	—	236	102
Miscellaneous laborers	169	4	16	—	71	44	—	—	—	5	—	13
Not specified laborers	27	50	26	10	22	133	13	15	15	27	50	33
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	115	53	168	39	159	185	379	176	40	7 625	868	501
Cleaning service workers	51	40	28	27	118	100	74	46	40	264	159	365
Personal service workers	6	—	38	7	—	17	44	—	—	43	35	16
Guards and watchmen	26	13	36	5	27	21	26	8	—	6	—	12
Other service workers, including private household	32	—	66	—	14	47	235	118	—	7 312	670	103
Female employed	188	510	748	1 323	621	2 431	6 160	2 813	573	6 503	6 065	3 574
Professional, technical, and kindred workers	6	12	9	38	44	39	106	4	10	59	109	55
Accountants	6	5	3	5	17	25	13	4	4	10	17	9
Computer specialists	—	—	—	—	—	4	8	—	—	—	—	5
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	9	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	5	—	—	33	—	6	45	43	9
Other professional, technical, and kindred workers	—	8	6	28	18	10	52	—	—	4	49	7
Managers and administrators, except farm	9	23	30	46	25	110	394	130	55	373	403	178
Salaried	9	23	30	46	25	99	376	105	40	218	298	155
Self-employed	—	—	—	—	—	11	18	25	15	155	105	23
Sales workers	—	—	6	4	5	147	3 492	624	35	57	2 491	369
Clerical and kindred workers	128	399	135	1 187	459	1 700	1 638	1 484	365	394	1 950	2 679
Bookkeepers	8	68	18	39	48	406	193	203	171	84	406	361
Cashiers	—	14	5	8	20	23	582	1 095	29	215	484	77
Counter clerks, except food	5	—	—	25	18	44	83	22	16	11	10	—
File clerks	15	—	—	22	18	36	33	—	16	—	19	—
Office machine operators	10	14	—	10	6	94	62	36	—	6	28	72
Bookkeeping and billing machine operators	15	—	—	—	—	10	—	5	—	6	14	41
Receptionists	21	83	5	9	13	39	19	—	10	—	61	—
Secretaries	17	—	46	36	87	451	74	56	69	36	252	126
Stenographers	15	51	9	44	40	176	46	—	26	4	6	481
Typists	15	—	—	—	40	40	—	—	—	—	—	216
Other clerical and kindred workers	47	169	47	994	223	391	572	72	44	32	585	1 203
Craftsmen and kindred workers	17	—	—	18	26	73	68	42	30	10	237	—
Foremen, n.e.c.	—	—	—	6	—	39	37	—	—	—	4	—
Operatives, except transport	—	4	6	3	—	219	83	275	53	15	234	21
Assemblers	—	—	—	—	—	16	—	—	7	—	9	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	16	—	10	27	—
Packers and wrappers, except meat and produce	—	4	6	3	—	113	49	259	46	5	198	21
Other operatives, except transport	—	—	—	—	—	—	—	—	—	—	—	—
Transport equipment operatives	21	49	540	—	51	20	39	—	9	26	6	—
Laborers, except farm	—	9	15	—	3	80	64	171	5	—	82	14
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	7	13	7	27	8	43	276	83	11	5 569	553	258
Cleaning service workers	—	—	—	20	—	8	15	—	—	—	51	—
Personal service workers	—	13	7	7	—	6	27	—	11	—	21	—
Other service workers, including private household	7	—	—	7	8	29	217	83	—	5 485	481	75

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More											
TOLEDO, OHIO-MICH., SMSA											
Total employed											
Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
3 426	3 255	1 814	8 491	2 057	10 481	4 993	16 647	5 080	4 060	5 838	8 271
574	77	53	246	421	3 658	1 903	9 479	2 914	1 473	3 086	995
76	—	14	—	7	10	—	4	—	6	538	187
—	—	—	—	—	—	—	—	—	—	41	9
38	—	—	—	5	5	—	17	4	—	25	15
55	8	—	—	6	18	39	9	—	5	401	90
18	—	—	—	—	—	—	—	—	—	4	—
8	—	—	—	—	—	—	—	—	—	175	35
—	—	—	—	—	—	—	—	—	—	49	5
4	—	—	—	6	8	—	—	—	—	23	19
10	—	—	—	—	10	39	9	—	5	88	25
15	8	—	—	—	—	—	—	—	—	—	6
—	—	—	—	—	—	—	—	—	—	—	9
10	5	—	—	—	35	—	22	—	5	—	7
10	—	—	—	—	11	—	11	—	—	6	6
121	6	—	5	10	16	6	31	5	4	—	89
34	—	—	—	—	9	—	56	21	—	10	27
69	14	—	4	—	13	5	48	21	—	382	121
14	—	—	4	—	—	—	8	6	—	310	46
4	9	—	—	—	6	—	4	—	—	—	15
—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	10	—	—	—	16	—	—	—	99
109	12	21	150	247	3 552	1 846	9 173	2 849	1 292	1 503	300
53	32	18	77	146	—	—	—	—	—	—	—
304	245	191	429	259	208	143	657	244	390	194	915
37	—	6	13	—	28	—	22	5	9	18	25
267	245	185	416	259	180	143	635	239	381	176	890
219	160	119	266	181	180	121	635	219	381	151	890
48	85	66	150	78	—	22	—	20	—	25	—
—	—	—	—	—	—	—	—	—	—	—	—
169	98	6	103	33	7	5	41	5	43	57	19
1 175	398	229	592	257	1 763	869	2 946	853	1 180	1 536	3 423
94	107	25	97	47	89	109	116	25	116	234	127
—	7	29	19	99	65	10	111	34	30	—	13
80	11	—	—	5	16	5	—	—	11	—	68
75	12	—	—	—	78	4	71	12	9	12	62
—	—	—	—	—	23	—	14	—	—	—	—
11	—	—	6	8	36	2	—	5	—	—	—
915	261	175	470	98	1 456	763	2 573	777	1 014	1 290	3 142
—	—	—	—	—	—	—	—	—	—	—	—
214	1 722	32	280	122	210	119	410	57	115	55	339
—	15	—	—	—	12	4	4	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	42	—	24	4	—	9	6
—	18	—	—	7	20	—	25	—	—	—	17
25	32	11	44	—	—	5	56	6	4	—	69
73	1 341	—	28	55	15	—	36	15	20	4	152
9	779	—	7	—	—	—	36	10	—	6	87
15	23	—	17	—	—	—	—	—	—	9	13
—	—	—	—	—	—	—	—	—	—	—	—
11	9	12	13	11	18	—	58	5	10	6	11
20	—	—	—	—	9	—	12	—	22	—	—
6	—	9	9	5	46	—	17	27	8	—	16
54	284	—	169	44	17	106	70	—	32	21	37
—	—	—	—	—	—	—	—	—	—	—	—
124	294	20	1 106	20	229	46	150	47	62	104	115
—	3	—	—	—	—	—	—	—	—	15	—
—	—	—	—	—	—	—	—	—	—	—	—
7	7	—	—	—	—	—	—	—	—	—	4
—	14	—	5	—	—	—	—	—	—	—	—
—	6	—	—	—	—	—	5	—	—	—	—
—	101	—	7	—	—	—	—	—	—	—	—
85	110	20	1 078	6	219	32	108	42	9	4	16
12	10	—	5	—	10	—	6	—	—	50	87
—	—	—	—	—	—	—	—	—	—	10	—
20	21	—	5	—	—	—	—	—	—	4	—
—	22	—	6	4	—	—	23	5	—	15	4
—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

**The State
Standard Metropolitan Statistical Areas
of 250,000 or More**

TOLEDO, OHIO-MICH., SMSA—Continued

Total employed—Continued

Transport equipment operatives	60
Deliverymen and roulemen	22
Truck drivers	29
Other transport equipment operatives	9
Laborers, except farm	54
Freight, stock, and material handlers	16
Other specified laborers	12
Miscellaneous laborers	22
Not specified laborers	26
Form workers	—
Service workers, including private household	752
Cleaning service workers	473
Personal service workers	7
Guards and watchmen	219
Other service workers, including private household	53
Female employed	1 542
Professional, technical, and kindred workers	137
Accountants	35
Computer specialists	12
Life and physical scientists	—
Registered nurses, dietitians, and therapists	11
Social scientists	7
Writers, artists, and entertainers	19
Other professional, technical, and kindred workers	73
Managers and administrators, except farm	38
Salaried	29
Self-employed	9
Sales workers	54
Clerical and kindred workers	936
Bookkeepers	61
Cashiers	4
Counter clerks, except food	14
File clerks	43
Office machine operators	53
Bookkeeping and billing machine operators	40
Receptionists	271
Secretaries	5
Stenographers	158
Typists	296
Other clerical and kindred workers	9
Craftsman and kindred workers	47
Foremen, n.e.c.	—
Operatives, except transport	—
Assemblers	—
Checkers, examiners, and inspectors; manufacturing	—
Packers and wrappers, except meat and produce	5
Other operatives, except transport	42
Transport equipment operatives	24
Laborers, except farm	5
Form workers	—
Service workers, including private household	272
Cleaning service workers	239
Personal service workers	11
Other service workers, including private household	26

Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
60	100	5	191	27	16	15	59	14	20	25	128
22	5	—	95	12	5	10	10	10	5	5	12
29	38	—	26	15	11	5	15	4	14	10	95
9	57	5	70	—	—	—	34	—	6	10	21
54	201	27	161	167	60	18	46	55	73	35	271
16	—	—	52	—	28	13	11	4	19	4	106
12	158	11	96	126	25	5	63	28	14	24	116
—	22	4	4	4	—	—	8	—	40	7	11
26	21	16	9	37	7	—	—	23	—	—	38
—	—	—	—	—	—	—	—	—	—	—	—
752	120	1 251	5 383	751	4 330	1 875	2 819	891	704	746	2 066
473	37	598	171	128	572	171	1 132	352	365	26	214
7	168	—	2 364	245	83	10	388	144	149	26	35
219	5	—	—	17	41	10	—	9	168	95	100
53	56	485	2 910	361	3 634	1 660	1 268	386	—	691	1 717
1 542	498	1 327	6 409	879	8 759	3 757	10 355	3 643	2 148	2 805	2 186
137	16	24	156	173	3 085	941	5 513	2 068	530	678	299
35	—	—	—	—	4	—	3	—	6	66	51
12	—	—	—	—	14	—	10	4	—	—	10
—	—	—	—	—	—	—	75	26	29	6	23
11	—	—	36	—	2 339	681	—	—	—	—	—
7	—	—	—	80	—	—	42	9	104	59	9
19	6	17	79	93	728	260	5 373	2 029	391	547	206
73	10	7	41	—	—	—	—	—	—	—	—
38	29	115	118	64	124	73	167	145	65	53	116
29	13	80	13	52	124	65	167	130	65	37	116
9	16	35	34	12	—	8	—	15	—	16	—
—	—	—	—	—	—	—	—	—	—	—	—
54	33	6	76	21	7	—	21	5	29	37	5
—	—	—	—	—	—	—	—	—	—	—	—
310	310	175	571	155	1 639	850	2 655	785	1 067	1 450	1 554
103	79	25	77	52	78	85	98	25	75	190	65
61	34	18	19	52	65	10	99	34	26	5	5
9	14	58	218	—	51	—	23	5	—	—	—
43	4	—	—	—	—	37	89	43	16	39	38
53	6	—	—	—	78	4	66	12	9	12	52
—	—	—	—	—	24	—	—	—	—	—	5
40	—	—	84	20	188	246	78	39	37	20	18
271	35	16	32	—	489	245	993	271	580	604	336
5	—	—	4	12	5	11	22	—	17	17	44
158	22	6	37	12	196	88	290	58	213	124	196
296	122	52	98	37	489	124	897	298	87	444	800
9	26	11	41	—	26	33	66	—	20	—	—
—	—	5	—	—	6	5	14	—	15	—	—
—	—	—	—	—	—	—	—	—	—	—	—
47	28	14	946	—	170	36	32	18	48	55	23
—	—	—	—	—	—	4	—	—	10	—	—
5	—	—	14	—	—	7	—	—	6	9	6
42	28	14	932	—	170	25	32	18	42	36	17
24	5	—	6	17	—	15	29	—	—	5	11
5	—	—	56	22	22	—	—	—	8	6	11
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
46	46	982	4 439	427	3 686	1 809	1 872	614	381	521	167
239	6	488	64	34	389	119	369	125	124	31	31
7	11	89	1 606	89	67	34	369	144	119	4	13
26	29	392	2 769	304	3 230	1 656	1 139	345	138	517	123

Table 181. Occupation of Employed Negroes by Major Industry: 1970

[Data based on sample, see text. For meaning of symbols, see text.]

The State	Negroes 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing		Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and recreation services	Professional and related services	Public administration
					Durable goods	Nondurable goods, including not specified manufacturing									
Total employed	325 501	1 689	268	10 250	119 036	13 688	14 796	7 445	32 861	8 918	7 751	24 363	1 607	63 963	18 666
Professional, technical, and kindred workers	25 151	24	26	142	1 885	373	498	169	444	241	387	149	291	18 609	1 913
Accountants	1 070	5	22	60	206	18	43	30	35	113	62	14	6	177	363
Engineers	252	5	22	60	359	32	90	9	5	—	7	—	—	127	18
Life and physical scientists	722	—	—	—	43	48	9	6	155	—	7	36	—	5 099	86
Health workers	5 454	—	—	—	39	20	6	—	—	4	9	—	—	80	79
Social scientists	214	—	—	—	54	—	18	—	—	—	—	—	—	209	79
Engineering and science technicians	1 020	—	—	45	454	—	72	14	5	—	32	14	—	13	85
Technicians, except health, and engineering and science	167	3	—	3	82	5	34	—	154	13	50	44	189	229	74
Writers, artists, and entertainers	1 095	3	—	9	82	106	82	60	90	111	213	41	96	12 614	1 086
Other professional, technical, and kindred workers	15 163	16	4	16	643	39	144	50	—	—	—	—	—	—	—
Managers and administrators, except farm	7 527	5	—	423	338	134	239	204	2 086	800	270	356	83	1 680	909
Buyers, purchasing agents, and sales managers	728	—	—	8	34	61	4	55	429	37	4	11	—	48	37
Other managers and administrators	6 799	5	—	415	304	73	235	149	1 657	763	266	345	83	1 632	872
Self-employed	5 444	5	—	255	284	60	207	92	995	735	141	170	45	1 588	872
Sales workers	1 355	—	—	160	20	13	28	57	662	28	125	175	38	44	—
Clerical and kindred workers	8 865	4	—	36	139	445	105	457	6 194	1 205	66	81	24	90	19
Bookkeepers	50 169	58	65	436	5 556	1 338	4 658	1 522	6 279	4 932	1 421	1 232	51	11 774	10 647
Cashiers and receptionists	2 364	9	—	30	168	113	107	182	490	480	80	114	—	328	263
Office machine operators	3 891	9	—	23	80	14	95	59	2 328	81	93	138	26	817	128
Secretaries, stenographers, and typists	3 011	—	10	8	494	70	186	93	262	684	234	21	—	3 486	453
Shipping and stock clerks	10 108	21	11	174	905	276	563	257	534	1 067	301	60	8	3 946	1 985
Other clerical and kindred workers	3 898	4	—	20	1 737	286	222	316	700	29	31	61	17	196	296
Other clerical and kindred workers	26 897	24	35	181	2 172	579	3 615	615	1 965	2 581	682	838	—	6 001	7 522
Craftsmen and kindred workers	30 959	11	37	4 530	16 832	1 359	2 017	814	1 906	183	1 429	360	51	731	699
Blacksmiths, farriers, and kindred workers	316	—	—	—	273	9	25	—	—	—	4	—	—	—	—
Corporators	829	6	—	651	93	—	—	15	—	13	—	—	—	30	17
Construction craftsmen, except carpenters	4 836	—	14	2 585	1 463	61	242	47	67	64	56	19	—	125	93
Carpenters, joiners, and kindred workers	1 518	—	—	49	315	16	31	91	—	—	—	—	—	—	—
Craftsmen, derrickmen, and hoistmen	3 413	—	—	198	2 097	216	141	146	245	20	26	79	—	122	123
Foremen, hock	7 546	—	13	175	3 950	216	570	244	911	18	1 044	33	28	94	346
Mechanics, except including body	4 248	—	4	17	2 204	23	237	97	715	5	769	12	12	19	134
Mechanics, job setters, and toolmakers	2 891	—	—	4	2 775	40	23	18	4	—	10	11	—	4	6
Metal craftsmen, except mechanics and machinists	2 270	5	3	21	2 175	41	23	18	—	—	13	7	—	—	—
Metal craftsmen, except mechanics and machinists	2 621	—	—	5	2 105	405	12	—	31	21	272	204	—	20	9
Printing craftsmen	6 719	—	7	941	2 586	351	973	235	648	47	—	—	23	336	96
Operators, except transport	93 018	47	85	477	73 860	7 266	487	1 583	2 550	118	601	5 200	40	1 367	237
Assemblers	12 726	7	—	—	17 297	2 011	30	56	47	12	11	7	—	18	10
Checkers, examiners, and inspectors manufacturing	3 269	—	—	—	3 875	491	—	—	—	—	—	—	—	—	—
Precision machine operators	7 218	—	—	21	6 658	36	12	—	—	—	24	—	—	13	—
Welders and flamecutters	57 756	40	5	81	6 869	33	47	132	38	—	80	5	—	19	9
Other operators, except transport	—	—	80	375	39 190	6 475	398	1 383	2 460	106	486	5 188	40	1 317	218
Transport equipment operators	14 289	11	18	542	5 551	837	3 426	1 196	1 035	30	462	176	51	289	465
Deliverymen and roulemen	1 485	—	—	—	422	189	1 44	276	56	5	91	64	—	46	31
Truck drivers	5 221	11	11	404	3 670	239	1 151	276	283	5	31	17	21	112	386
Other transport equipment operators	7 583	—	7	116	3 360	409	2 361	323	297	20	336	95	30	131	98
Lebaners, except farm	21 658	279	26	3 430	8 339	1 034	2 072	1 202	2 507	82	748	432	59	494	964
Freight, stock, and material handlers	8 233	5	11	60	3 010	466	1 232	730	1 703	8	50	172	9	166	611
Farm workers	1 216	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	60 698	34	11	234	6 546	902	894	498	9 860	1 327	2 367	5 326	957	28 929	2 813
Cleaning service workers	20 193	25	6	153	4 924	630	439	374	1 644	968	1 664	1 664	294	6 696	908
Food service workers	11 444	5	—	10	82	86	124	43	6 400	15	6	570	355	3 673	75
Personal service workers	5 136	4	—	6	163	20	141	10	304	78	78	2 240	166	3 749	194
Guards and watchmen	1 730	—	5	35	472	54	69	10	153	59	495	9	11	134	224
Other service workers, except private household workers	22 195	—	—	—	905	112	121	61	1 359	224	320	843	131	16 677	1 412
Private household workers	11 051	—	—	—	—	—	—	—	—	—	—	11 051	—	—	—

Table 182. Occupation of Employed Persons of Spanish Language by Major Industry: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State

Total employed

Accountants	4 223
Engineers	234
Life and physical scientists	474
Health workers	35
Health scientists	1 062
Engineering and science technicians	28
Technicians, except health, and engineering and science	394
Writers, artists, and entertainers	25
Other professional, technical, and kindred workers	329
Managers and administrators, except farm	1 642
Buyers, purchasing agents, and sales managers	1 507
Other managers and administrators	1 143
Salaried	1 364
Self-employed	1 073
Sales workers	291
Clerical and kindred workers	1 557
Bookkeepers	5 038
Cashiers and receptionists	375
Office machine operators	498
Secretaries, stenographers, and typists	243
Shipping and stock clerks	1 345
Other clerical and kindred workers	415
Craftsmen and kindred workers	2 162
Blacksmiths, forgers, hammermen, and boilermakers	5 018
Carpenters	28
Construction craftsmen, except carpenters	199
Cronmen, derrickmen, and hoistmen	720
Foremen, n.e.c.	180
Mechanics and repairmen	584
Automobile, including body	1 217
Machine tool setters, and toolmakers	547
Metal craftsmen, except mechanics and machinists	491
Printing craftsmen	174
Other craftsmen and kindred workers	878
Operatives, except transport	10 375
Assemblers	2 016
Checkers, examiners, and inspectors; manufacturing	621
Precision machine operatives	715
Welders and flamecutters	715
Other operatives, except transport	6 308
Transport equipment operatives	1 475
Deliverymen and routemen	209
Truck drivers	631
Other transport equipment operatives	635
Lebaners, except farm	2 435
Freight, stock, and material handlers	873
Farm workers	777
Service workers, except private household	4 663
Cleaning service workers	1 383
Food service workers	1 810
Personal service workers	554
Guards and watchmen	64
Other service workers, except private household workers	1 052
Private household workers	227

Persons of Spanish language, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing		Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and recreation services	Professional and related services	Public administration
				Durable goods	Nondurable goods, including not specified manufacturing									
37 295	974	74	1 303	13 985	3 086	1 812	1 259	4 652	1 725	861	1 229	245	5 525	1 165
Professional, technical, and kindred workers	15	14	23	733	208	123	18	121	20	93	55	40	2 579	181
Managers and administrators, except farm	8	6	12	41	32	7	5	33	15	12	8	3	63	26
Buyers, purchasing agents, and sales managers	8	6	12	259	29	38	5	8	15	15	8	1	18	29
Other managers and administrators	15	6	12	8	5	7	7	25	7	7	7	7	96	29
Salaried	15	6	12	180	55	8	8	8	7	7	7	7	111	17
Self-employed	11	6	11	57	14	14	6	5	5	29	26	37	40	17
Clerical and kindred workers	13	6	12	174	23	34	6	19	5	33	29	18	183	52
Bookkeepers	8	6	24	180	42	110	86	535	134	42	42	18	189	97
Cashiers and receptionists	8	6	24	28	4	110	25	64	22	42	42	18	189	97
Office machine operators	8	6	24	152	38	110	61	471	112	42	42	18	183	97
Secretaries, stenographers, and typists	8	6	18	136	23	110	55	268	112	35	24	12	183	97
Shipping and stock clerks	22	4	6	16	15	6	6	203	7	7	18	6	6	6
Other clerical and kindred workers	13	6	65	970	255	387	155	891	213	54	11	11	20	7
Craftsmen and kindred workers	39	13	644	2 619	390	366	143	280	13	287	27	8	126	63
Blacksmiths, forgers, hammermen, and boilermakers	28	4	119	54	8	6	6	6	6	6	6	6	6	6
Carpenters	7	6	311	283	28	26	13	13	6	7	14	14	19	6
Construction craftsmen, except carpenters	5	6	6	160	71	6	8	8	6	6	6	6	6	6
Cronmen, derrickmen, and hoistmen	5	6	54	305	71	70	19	39	6	229	6	8	6	8
Foremen, n.e.c.	21	7	6	484	80	114	69	143	114	158	7	7	7	49
Mechanics and repairmen	13	7	33	190	14	24	34	108	7	57	5	13	11	13
Automobile, including body	491	6	111	522	6	7	7	7	7	7	13	7	7	302
Machine tool setters, and toolmakers	174	6	6	445	153	144	34	85	44	44	13	7	7	63
Metal craftsmen, except mechanics and machinists	878	6	111	335	30	144	34	85	44	44	13	7	7	6
Printing craftsmen	18	47	78	7 377	1 562	123	328	448	75	75	199	33	94	26
Other craftsmen and kindred workers	18	16	16	1 881	71	8	17	17	7	7	9	7	9	7
Operatives, except transport	621	6	23	511	110	10	24	7	6	6	6	6	6	6
Assemblers	715	6	23	663	12	10	9	6	6	6	6	6	6	6
Checkers, examiners, and inspectors; manufacturing	6 308	41	39	3 667	1 369	105	295	418	62	62	190	13	85	19
Precision machine operatives	1 475	15	84	535	155	427	104	42	13	47	19	19	14	20
Welders and flamecutters	209	9	6	16	71	33	27	28	13	21	13	6	14	3
Other operatives, except transport	635	6	14	214	19	218	65	8	13	20	6	6	14	17
Transport equipment operatives	41	777	375	913	253	232	151	317	4	61	4	16	19	49
Deliverymen and routemen	873	6	6	208	152	115	86	284	6	6	6	6	6	16
Truck drivers	777	6	6	592	121	30	18	18	63	59	550	119	1 476	266
Other transport equipment operatives	4 663	8	6	493	99	21	18	67	50	40	98	51	410	28
Lebaners, except farm	1 383	18	6	8	8	9	9	170	6	114	114	44	232	7
Freight, stock, and material handlers	554	6	6	6	6	6	6	30	6	314	314	16	173	9
Farm workers	1 052	6	6	26	14	6	6	70	7	12	24	8	658	17
Service workers, except private household	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Cleaning service workers	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Food service workers	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Personal service workers	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Guards and watchmen	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Other service workers, except private household workers	227	6	6	59	14	6	6	7	7	7	24	8	658	205
Private household workers	227	6	6	59	14	6	6	7	7	7	24	8	658	205

Table 183. Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960

(Data based on sample, see text. For meaning of symbols, see text)

The State

The State	1970						1960					
	Experienced civilian labor force				Employed		Experienced civilian labor force				Employed	
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over			
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female		
Total	2 203 876	1 238 577	2 231 978	1 251 160	2 115 188	1 175 681	2 031 630	887 657	1 898 034	828 830		
Agriculture, forestry, and fisheries	53 034	8 691	50 703	7 737	48 470	7 160	88 726	9 482	84 674	8 980		
Agricultural production	41 693	5 611	43 402	5 926	42 063	5 438	81 451	8 757	77 851	8 309		
Agricultural services, except horticulture	2 081	1 278	2 159	1 327	2 038	1 302	2 828	483	2 703	459		
Horticultural services	3 693	334	3 765	334	3 168	294	2 813	124	2 688	118		
Forestry	993	69	1 004	69	878	53	769	65	665	45		
Fisheries	367	76	373	81	323	73	865	53	767	49		
Agriculture, forestry, and fisheries—allocated	4 207	1 323	...	...	...	...	...	...	...	...		
Mining	13 906	977	13 346	968	12 426	927	15 978	337	15 014	326		
Metal mining	6 748	207	6 757	207	6 437	203	9 689	133	9 360	130		
Coal mining	122	12	122	12	115	12	178	—	160	—		
Crude petroleum and natural gas extractions	2 847	562	2 853	567	2 628	557	2 153	96	1 928	96		
Nonmetallic mining and quarrying, except fuel	3 614	182	3 614	182	3 246	155	3 958	108	3 566	100		
Mining—allocated	575	14	...	...	...	...	...	...	...	...		
Construction	168 269	10 762	155 878	10 241	134 706	9 500	144 873	6 087	119 895	5 467		
General building contractors	35 605	2 403	35 701	2 403	30 638	2 235	31 718	943	26 250	878		
General contractors, except building	30 103	2 053	30 122	2 053	25 464	1 913	25 476	1 033	21 084	962		
Special trade contractors	75 916	4 822	76 115	4 853	67 529	4 527	56 807	2 112	47 011	1 966		
Not specified construction	13 902	932	13 940	932	11 075	825	30 872	1 999	25 550	1 861		
Construction—allocated	12 743	552	...	...	...	...	...	...	...	...		
Manufacturing	997 549	249 413	952 505	233 959	905 640	207 395	920 127	193 989	862 456	173 444		
Durable goods	844 187	173 231	797 560	162 594	756 336	143 914	748 511	134 983	698 251	120 304		
Lumber and wood products, except furniture	13 246	2 343	13 306	2 355	11 700	2 058	15 917	1 206	12 798	1 088		
Logging	3 148	105	3 178	110	2 467	77	6 294	98	4 295	94		
Sawmills, planing mills, and millwork	6 067	1 115	6 072	1 115	5 439	938	6 083	385	5 334	368		
Miscellaneous wood products	4 031	1 123	4 056	1 130	3 794	1 043	3 540	723	3 169	626		
Furniture and fixtures	16 315	6 204	16 325	6 204	15 594	5 473	17 507	4 488	16 593	4 126		
Stone, clay, and glass products	16 022	4 486	16 041	4 486	15 004	4 102	16 181	3 513	14 840	3 261		
Glass and glass products	3 922	1 730	3 922	1 730	3 757	1 563	2 336	905	2 181	785		
Cement, concrete, gypsum, and plaster products	7 376	522	7 381	522	6 739	495	8 250	497	7 453	476		
Structural clay products	613	73	613	73	564	73	897	87	797	87		
Pottery and related products	1 107	927	1 121	927	1 071	869	797	768	750	760		
Miscellaneous nonmetallic mineral and stone products	3 004	1 234	3 004	1 234	2 873	1 102	3 901	1 256	3 659	1 153		
Metal industries	141 356	30 222	141 426	30 257	134 218	26 362	131 991	24 322	123 620	21 375		
Primary metal industries	69 759	8 949	69 780	8 949	66 488	8 125	69 706	6 533	65 797	5 923		
Blast furnaces, steelworks, rolling and finishing mills	15 704	3 971	15 719	3 971	15 223	941	21 053	865	20 105	822		
Other primary iron and steel industries	37 343	3 489	37 349	3 489	35 546	3 282	30 512	2 416	28 845	2 190		
Primary aluminum industries	4 163	1 020	4 163	1 020	3 992	925	4 895	128	4 546	115		
Other primary nonferrous industries	12 549	3 469	12 549	3 469	11 727	2 977	13 246	3 124	12 301	2 796		
Fabricated metal industries	71 597	21 273	71 646	21 308	67 730	18 237	62 285	17 789	57 823	15 452		
Cutlery, handtools, and other hardware	5 787	3 042	5 791	3 042	5 377	2 611	12 949	6 275	12 073	5 402		
Fabricated structural metal products	14 485	3 086	14 490	3 091	13 656	2 758	16 211	2 206	14 828	1 901		
Screw-machine products	6 449	1 812	6 466	1 812	6 291	1 631	3 357	774	3 134	678		
Metal stamping	23 203	6 160	23 214	6 169	22 068	5 082	6 447	3 160	6 018	2 770		
Miscellaneous fabricated metal products	17 728	6 505	17 735	6 526	16 586	5 581	23 071	5 288	21 534	4 636		
Not specified metal industries	3 945	668	3 950	668	3 752	574	250	86	236	65		
Machinery, except electrical	143 842	25 767	143 976	25 783	139 096	23 968	132 222	22 000	126 517	20 542		
Engines and turbines	9 470	1 040	9 479	1 040	9 136	982	6 821	1 220	6 508	1 123		
Farm machinery and equipment	4 228	1 737	4 228	1 737	4 102	701	4 497	578	4 327	564		
Construction and material-handling machines	16 126	1 815	16 134	1 815	15 575	1 657	16 639	1 763	15 875	1 622		
Metalworking machinery	54 556	7 232	54 629	7 240	53 202	6 774	18 806	1 898	17 942	1 746		
Office and accounting machines	4 655	2 647	4 655	2 651	4 600	2 489	8 300	4 705	8 212	4 584		
Electronic computing equipment	3 995	1 808	4 000	1 812	3 865	1 684	1 104	309	1 092	301		
Machinery, except electrical, n.e.c.	47 740	9 663	47 779	9 663	45 616	8 872	52 468	8 679	50 057	7 983		
Not specified machinery	3 072	825	3 072	825	3 000	809	23 587	2 848	22 504	2 619		
Electrical machinery, equipment, and supplies	26 544	15 928	26 594	15 948	25 504	13 632	23 388	11 396	22 049	9 737		
Household appliances	6 388	2 383	6 393	2 388	6 108	2 145	3 359	818	3 167	699		
Radio, television, and communication equipment	3 471	2 687	3 476	2 687	3 301	2 086	6 329	2 902	5 968	2 479		
Electrical machinery, equipment, and supplies, n.e.c.	13 068	9 266	13 108	9 281	12 576	7 981	10 268	6 502	9 678	5 556		
Not specified electrical machinery, equipment, and supplies	3 617	1 592	3 617	1 592	3 519	1 420	3 432	1 174	3 236	1 003		
Transportation equipment	417 680	67 842	417 896	67 922	394 191	59 818	375 385	54 731	348 036	48 408		
Motor vehicles and motor vehicle equipment	400 690	64 325	400 896	64 393	378 527	56 766	356 808	52 123	331 017	46 146		
Aircraft and parts	6 365	1 724	6 365	1 724	5 781	1 557	7 067	1 518	6 521	1 255		
Ship and boat building and repairing	3 020	459	3 030	459	2 726	310	5 465	331	4 938	310		
Railroad locomotives and equipment	1 170	134	1 170	134	1 097	125	3 617	439	3 326	403		
Mobile dwellings and campers	4 450	866	4 450	878	4 121	753	1 653	160	1 521	147		
Cycles and miscellaneous transportation equipment	1 985	334	1 985	334	1 939	307	775	160	713	147		
Professional and photographic equipment, and watches	5 959	3 149	5 974	3 154	5 745	2 940	7 489	3 875	7 152	3 473		
Scientific and controlling instruments	3 622	1 492	3 622	1 492	3 485	1 361	2 608	1 024	2 500	915		
Optical and health services supplies	1 786	1 083	1 801	1 083	1 738	1 035	1 683	1 300	1 614	1 162		
Photographic equipment and supplies	333	220	333	220	316	211	957	511	887	449		
Watches, clocks, and clockwork-operated devices	209	337	209	342	197	316	250	238	242	230		
Not specified professional equipment	9	17	9	17	9	17	1 991	802	1 909	717		
Ordnance	3 434	675	3 439	675	3 340	575	16 577	3 832	15 484	3 360		
Miscellaneous manufacturing industries	12 563	5 807	12 583	5 810	11 944	4 986	11 854	5 620	11 162	4 934		
Manufacturing, durable goods—allocated	47 226	10 808	...	...	...	...	...	...	...	...		
Nondurable goods	148 641	74 211	150 208	69 394	144 911	61 738	169 784	58 231	162 513	52 467		
Food and kindred products	31 885	13 477	32 004	13 515	30 415	11 556	49 502	18 610	46 256	16 126		
Meat products	3 988	1 719	3 998	1 725	3 787	1 582	5 409	1 935	5 041	1 668		
Dairy products	4 768	746	4 822	746	4 729	673	12 262	1 698	11 902	1 596		
Canning and preserving fruits, vegetables, and seafoods	4 207	3 708	4 219	3 722	3 740	2 570	4 166	3 064	3 415	1 875		
Grain-mill products	5 859	2 357	5 859	2 357	5 764	2 262	6 128	2 704	5 975	2 555		
Bakery products	4 239	2 154	4 252	2 162	4 104	1 968	11 183	6 603	10 613	6 170		
Confectionery and related products	379	720	387	720	360	626	543	904	498	818		
Beverage industries	5 312	952	5 330	957	5 153	885	6 821	579	6 345	531		
Miscellaneous food preparation and kindred products	2 240	721	2 244	726	1 907	635	2 424	838	1 956	713		
Not specified food industries	893	400	893	400	871	355	566	285	511	200		
Tobacco manufactures	401											

Table 183. **Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960—Continued**

[Data based on sample, see text. For meaning of symbols, see text]

The State

	1970						1960					
	Experienced civilian labor force				Employed		Experienced civilian labor force				Employed	
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Manufacturing—Continued												
Nondurable goods—Continued												
Paper and allied products.....	22 169	6 654	22 192	6 657	21 475	6 078	23 441	6 214	22 658	5 648		
Pulp, paper, and paperboard mills.....	11 658	2 435	11 673	2 438	11 393	2 261	11 679	1 849	11 412	1 702		
Miscellaneous paper and pulp products.....	4 254	1 641	4 254	1 641	4 103	1 488	6 979	2 879	6 670	2 666		
Paperboard containers and boxes.....	6 257	2 578	6 265	2 578	5 979	2 329	4 783	1 486	4 576	1 280		
Printing, publishing, and allied industries.....	26 054	15 308	35 007	15 538	34 136	14 715	38 102	10 405	36 838	9 693		
Newspaper publishing and printing.....	11 599	5 720	20 297	5 909	19 794	5 751	24 613	3 642	23 831	3 562		
Printing, publishing, and allied industries, except newspapers.....	14 455	9 588	14 710	9 629	14 342	8 964	13 489	6 763	13 007	6 131		
Chemicals and allied products.....	31 275	9 381	31 294	9 398	30 719	8 946	34 542	7 370	33 773	7 136		
Industrial chemicals.....	8 472	1 226	8 477	1 226	8 361	1 195	3 902	218	3 823	210		
Plastics, synthetics and resins, except fibers.....	2 251	989	2 256	996	2 188	842	1 561	258	1 529	249		
Synthetic fibers.....	52	—	52	—	46	—	73	—	56	4		
Drugs and medicines.....	5 069	2 936	5 069	2 942	5 046	2 881	5 296	3 487	5 226	3 416		
Soaps and cosmetics.....	1 559	980	1 559	984	1 493	893	2 681	1 212	2 626	1 167		
Paints, varnishes, and related products.....	3 460	760	3 469	760	3 359	723	3 758	757	3 591	713		
Agricultural chemicals.....	1 598	200	1 598	200	1 561	191	1 968	60	1 928	57		
Miscellaneous chemicals.....	2 344	595	2 344	595	2 281	571	2 443	159	2 394	153		
Not specified chemicals and allied products.....	6 470	1 695	6 470	1 695	6 384	1 650	12 860	1 211	12 600	1 167		
Petroleum and coal products.....	6 229	1 038	6 229	1 038	6 120	1 024	3 221	462	3 076	450		
Petroleum refining.....	5 818	934	5 818	934	5 749	925	2 828	396	2 718	384		
Miscellaneous petroleum and coal products.....	411	104	411	104	371	99	393	66	358	66		
Rubber and miscellaneous plastic products.....	14 326	10 055	14 336	10 110	13 561	8 632	13 592	4 863	13 034	4 291		
Rubber products.....	8 260	3 301	8 260	3 306	7 932	2 947	9 876	2 286	9 588	2 046		
Miscellaneous plastic products.....	6 066	6 804	6 076	6 804	5 629	5 685	3 716	2 577	3 446	2 245		
Leather and leather products.....	2 400	2 626	2 400	2 636	2 162	2 137	2 069	1 464	1 898	1 315		
Tanned, curried, and finished leather.....	659	1 59	659	1 59	621	154	843	98	773	85		
Footwear, except rubber.....	1 301	1 925	1 301	1 935	1 126	1 588	674	729	635	689		
Leather products, except footwear.....	440	542	440	542	415	395	552	637	490	541		
Manufacturing, nondurable goods—allocated.....	7 565	5 131	...	...	...	...	...	...	...	...		
Not specified manufacturing industries.....	4 721	1 971	4 737	1 971	4 393	1 743	1 832	775	1 692	673		
Transportation, communications, and other public utilities.....	134 340	42 467	128 775	40 555	124 067	39 252	132 155	31 362	125 298	30 290		
Transportation.....	75 048	15 981	75 189	16 008	71 210	15 374	84 092	8 815	78 773	8 383		
Railroads and railway express service.....	18 374	2 002	18 423	2 002	17 970	1 977	25 082	2 211	23 878	2 064		
Street railways and bus lines.....	6 384	5 472	6 395	5 477	6 244	5 360	7 259	1 476	7 015	1 443		
Taxicab service.....	2 616	593	2 622	593	2 495	551	4 034	399	3 723	379		
Trucking service.....	34 395	3 372	34 441	3 389	32 235	3 195	36 232	2 441	33 997	2 368		
Warehousing and storage.....	4 060	1 038	4 069	1 038	3 771	973	3 192	660	2 928	625		
Water transportation.....	2 583	241	2 583	241	2 107	220	4 393	199	3 470	161		
Air transportation.....	5 062	1 842	5 078	1 847	4 878	1 758	2 727	953	2 669	890		
Pipelines, except natural gas.....	186	10	186	10	181	5	239	41	231	37		
Services incidental to transportation.....	1 388	1 411	1 392	1 411	1 329	1 335	934	435	862	416		
Communications.....	19 781	19 153	19 814	19 186	19 574	18 605	15 481	17 291	15 270	16 762		
Radio broadcasting and television.....	3 154	869	3 165	881	3 110	828	2 032	774	1 976	738		
Telephone (wire and radio).....	16 117	17 799	16 139	17 820	15 971	17 292	12 819	15 836	12 704	15 375		
Telegraph and miscellaneous communication services.....	510	485	510	485	493	485	630	681	590	649		
Utilities and sanitary services.....	33 715	5 350	33 772	5 361	33 283	5 273	32 582	5 256	31 255	5 145		
Electric light and power.....	15 311	2 288	15 320	2 295	15 204	2 258	13 512	2 532	12 910	2 485		
Electric-gas utilities.....	5 165	1 451	5 169	1 451	5 141	1 445	5 530	1 020	5 284	1 000		
Gas and steam supply systems.....	4 419	887	4 432	887	4 365	882	5 883	1 225	5 700	1 196		
Water supply.....	3 572	422	3 572	426	3 531	407	2 791	352	2 758	340		
Sanitary services.....	5 093	251	5 124	251	4 899	230	4 670	99	4 419	96		
Other and not specified utilities.....	155	51	155	51	143	51	196	28	184	28		
Transportation, communications, and other public utilities—allocated.....	5 796	1 983	...	...	...	...	...	...	...	...		
Wholesale and retail trade.....	369 184	300 405	358 390	283 108	342 281	264 621	310 584	204 372	294 597	189 421		
Wholesale trade.....	95 647	27 992	91 990	26 590	89 410	25 043	68 384	15 948	65 689	14 986		
Motor vehicles and equipment.....	11 990	3 046	12 031	3 050	11 744	2 932	5 228	1 021	5 056	970		
Drugs, chemicals, and allied products.....	3 529	1 589	3 534	1 589	3 466	1 504	2 336	961	2 265	912		
Dry goods and apparel.....	824	438	829	445	805	416	838	335	790	302		
Food and related products.....	18 427	5 305	18 503	5 328	17 982	4 853	13 433	3 019	12 794	2 726		
Farm products—raw materials.....	1 165	346	1 170	346	1 141	335	2 569	324	2 506	481		
Electrical goods.....	5 184	1 705	5 222	1 713	5 116	1 652	3 548	963	3 415	914		
Hardware, plumbing, and heating supplies.....	3 419	1 121	3 428	1 121	3 342	1 049	2 722	749	2 620	710		
Not specified electrical and hardware products.....	69	33	69	33	69	29	522	107	503	101		
Machinery, equipment, and supplies.....	16 036	4 280	16 079	4 284	15 726	4 120	8 042	1 913	7 894	1 838		
Metals and minerals, n.e.c.....	4 711	1 016	4 717	1 016	4 532	981	1 980	485	1 880	457		
Petroleum products.....	4 235	1 077	4 240	1 077	4 171	1 045	6 161	1 165	5 944	1 129		
Scrap and waste materials.....	3 060	514	3 079	514	2 937	462	3 252	153	3 089	144		
Alcoholic beverages.....	2 968	443	2 972	448	2 886	426	2 686	587	2 552	533		
Paper and its products.....	2 146	661	2 151	665	2 077	646	2 093	485	1 988	457		
Lumber and construction materials.....	4 170	705	4 170	717	4 020	668	3 846	561	3 653	529		
Wholesalers, n.e.c.....	8 023	3 489	8 110	3 508	7 762	3 237	6 022	1 836	5 720	1 732		
Not specified wholesale trade.....	1 706	726	1 706	736	1 634	688	3 106	1 084	3 020	1 031		
Wholesale trade—allocated.....	3 985	1 498	...	...	...	...	...	...	...	...		
Retail trade.....	273 537	272 413	266 400	256 518	252 871	239 578	242 200	188 424	228 908	174 435		
Lumber and building material retailing.....	11 788	2 804	11 875	2 820	11 321	2 665	15 959	2 616	14 748	2 437		
Hardware and farm equipment stores.....	6 285	2 439	6 398	2 454	6 184	2 360	8 961	2 322	8 686	2 212		
General merchandise stores.....	26 536	66 956	26 628	67 098	25 566	62 718	21 933	51 920	20 649	47 989		
Department and mail-order establishments.....	18 708	47 876	18 755	47 925	17 820	44 599	13 752	31 387	12 940	29 042		
Limited-price variety stores.....	2 560	942	2 594	998	2 458	8 437	2 899	12 502	2 735	11 515		
Vending machine operators.....	2 502	998	2 523	998	2 484	913	705	116	663	107		
Direct-selling establishments.....	1 539	5 688	1 703	5 715	1 636	5 465	1 392	3 278	1 314	3 034		
Miscellaneous general merchandise stores.....	1 229	3 452	1 253	3 462	1 168	3 304	3 185	4 637	2 997	4 291		
Food stores.....	47 982	36 163	49 404	36 592	47 595	34 915	49 825	28 231	47 270	26 782		
Grocery stores.....	40 645	27 515	41 742	27 695	40 214	26 586	41 925	24 203	39 775	22 961		
Dairy products stores.....	1 468	1 122	1 579	1 196	1 523	1 140	1 400	598	1 082	567		
Retail bakeries.....	3 027	5 231	3 136	5 307	3 047	4 980	1 140	1 196	1 108	1 134		
Food stores, n.e.c.....	2 842	2 295	2 949	2 331	2 811	2 216	5 592	2 234	5 305	2 120		
Motor vehicle dealers.....	26 420	4 433	26 490	4 461	25 502	4 261	25 717	2 747	24 669	2 609		
Tire, battery, and accessory dealers.....	5 392	1 092	5 417	1 092	5 222	1 056	5 335	979	5 118	930		
Gasoline service stations.....	32 227	1 906	32 844	1 930	30 420	1 811	29 159	920	27 394	899		

Table 183. Detailed Industry of the Experienced Civilian Labor Force and Employed Persons, by Sex: 1970 and 1960—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State

Wholesale and retail trade—Continued

	1970						1960					
	Experienced civilian labor force				Employed		Experienced civilian labor force		Employed			
	16 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over		14 years old and over	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Miscellaneous vehicle dealers	2 766	559	2 822	559	2 695	534	1 723	245	1 653	232		
Apparel and accessories stores, except shoe stores	7 737	21 133	7 848	21 231	7 469	19 881	7 044	16 424	6 655	15 433		
Shoe stores	3 821	2 265	3 880	2 311	3 746	2 196	3 673	1 632	3 508	1 570		
Furniture and home furnishings stores	9 183	4 768	9 261	4 796	8 851	4 521	7 936	2 852	7 509	2 630		
Household appliances, television, and radio stores	8 452	3 292	8 514	3 316	8 291	3 139	6 487	2 315	6 208	2 209		
Eating and drinking places	40 783	74 557	43 497	76 070	39 986	69 414	28 483	53 633	26 210	48 159		
Drug stores	7 516	11 409	7 772	11 621	7 499	11 059	8 525	9 781	8 246	9 243		
Liquor stores	1 277	538	1 319	547	1 276	520	1 163	374	1 086	352		
Farm and garden supply stores	2 264	865	2 285	865	2 148	800	2 232	305	2 132	287		
Jewelry stores	1 731	2 382	1 734	2 386	1 699	2 230	1 828	1 536	1 782	1 439		
Fuel and ice dealers	2 246	557	2 252	562	2 160	552	3 649	658	3 370	613		
Retail florists	1 784	2 445	1 841	2 481	1 742	2 387	1 696	1 577	1 637	1 509		
Miscellaneous retail stores	10 365	9 360	10 611	9 440	10 167	8 929	8 906	5 721	8 507	5 375		
Not specified retail trade	3 425	3 860	3 506	3 886	3 332	3 630	1 966	1 636	1 871	1 526		
Retail trade—allocated	13 557	18 630	...	...	...	...	...	...	...	...		
Finance, insurance, and real estate	61 673	71 540	59 724	68 292	58 808	66 719	47 445	44 156	46 484	43 059		
Banking	11 731	25 769	11 746	25 799	11 614	25 300	8 340	14 910	8 222	14 656		
Credit agencies	5 061	6 922	5 066	6 933	5 022	6 722	4 251	4 901	4 189	4 818		
Security, commodity brokerage, and investment companies	3 312	1 965	3 325	1 976	3 259	1 912	1 893	1 024	1 883	988		
Insurance	22 993	22 546	23 096	22 604	22 908	22 107	19 351	15 388	19 162	14 995		
Real estate, including real estate—insurance—law offices	16 373	10 939	16 491	10 980	16 005	10 768	13 610	7 933	13 028	7 602		
Finance, insurance, and real estate—allocated	2 203	3 399	...	...	...	...	...	...	...	...		
Business and repair services	61 174	27 657	58 528	25 800	55 549	23 865	51 761	14 022	48 247	12 913		
Business services	27 074	21 265	27 222	21 341	25 825	19 718	18 399	11 551	17 307	10 619		
Advertising	4 228	2 765	4 250	2 771	4 146	2 620	4 793	2 591	4 620	2 400		
Services to dwellings and other buildings	3 770	2 541	3 846	2 546	3 562	2 387	2 802	708	2 612	649		
Commercial research, development, and testing labs	1 858	540	1 858	540	1 819	502	2 693	1 087	2 511	997		
Employment and temporary help agencies	1 254	3 315	1 254	3 335	1 064	2 774	3 004	1 239	2 883	1 136		
Business management and consulting services	3 570	2 639	3 586	2 643	3 406	2 487	1 151	910	1 073	835		
Computer programming services	1 530	1 042	1 534	1 047	1 468	1 018	87	—	81	—		
Detective and protective services	3 611	396	3 620	396	3 432	386	1 043	126	972	116		
Business services, n.e.c.	7 253	8 027	7 274	8 063	6 928	7 544	5 526	4 890	5 155	4 486		
Repair services	30 919	4 442	31 306	4 459	29 724	4 147	33 362	2 471	30 940	2 294		
Automobile services, except repair	5 281	1 170	5 475	1 174	4 950	1 059	3 555	489	3 265	449		
Automobile repair and related services	13 285	1 122	13 378	1 128	12 901	1 074	17 387	667	15 972	612		
Electrical repair shops	4 033	613	4 056	620	3 900	601	5 563	710	5 242	666		
Miscellaneous repair services	8 320	1 537	8 397	1 537	7 973	1 413	6 857	605	6 461	567		
Business and repair services—allocated	3 181	1 950	...	...	...	...	...	...	...	...		
Personal services	32 644	90 781	31 699	86 031	30 071	81 032	39 776	105 176	37 057	97 042		
Private households	2 688	30 339	3 335	34 108	2 913	32 211	6 060	63 429	5 208	58 424		
Hotels and motels	6 126	10 692	6 231	10 758	5 728	9 651	7 889	9 192	7 047	8 129		
Lodging places, except hotels and motels	1 702	2 618	1 760	2 819	1 475	2 476	1 111	1 962	1 001	1 745		
Laundrying, cleaning, and other garment services	7 808	15 949	7 931	16 040	7 622	15 047	10 849	15 386	10 237	14 042		
Beauty shops	1 605	17 764	1 615	17 836	1 594	17 404	1 442	11 752	1 422	11 443		
Barber shops	6 116	364	6 155	379	6 142	374	7 184	82	7 087	80		
Shoe repair shops	731	143	746	154	734	154	1 421	144	1 361	134		
Dressmaking shops	153	774	153	774	149	731	31	1 209	31	1 164		
Miscellaneous personal services	3 705	3 144	3 773	3 163	3 714	2 984	3 789	2 020	3 663	1 881		
Personal services—allocated	2 030	8 994	...	...	...	...	...	...	...	...		
Entertainment and recreation services	14 175	9 773	13 815	9 286	12 371	8 472	13 566	6 472	11 877	5 804		
Theaters and motion pictures	3 744	2 551	3 835	2 621	3 538	2 456	3 431	2 280	3 115	2 059		
Bowling alleys, and billiard and pool parlors	2 899	2 187	3 038	2 220	2 913	2 131	3 783	793	3 379	757		
Miscellaneous entertainment and recreation services	6 550	4 357	6 942	4 445	5 920	3 885	6 352	3 399	5 383	2 988		
Entertainment and recreation services—allocated	982	678	...	...	...	...	...	...	...	...		
Professional and related services	211 981	378 909	204 225	356 396	199 914	348 010	134 110	207 163	131 254	202 883		
Health services	45 459	150 875	45 690	151 240	44 841	147 319	33 899	88 433	33 188	85 837		
Offices of physicians	7 508	14 834	7 524	14 876	7 482	14 537	6 948	9 488	6 892	9 151		
Offices of dentists	3 958	6 406	3 968	6 464	3 965	6 255	3 474	3 330	3 449	3 210		
Offices of chiropractors	523	209	523	209	523	204	785	491	779	310		
Hospitals	26 368	100 459	26 469	100 606	25 833	98 367	18 235	62 491	17 651	60 812		
Convalescent institutions	2 787	21 313	2 854	21 403	2 761	20 458	1 581	6 850	1 567	6 613		
Offices of health practitioners, n.e.c.	913	884	933	904	928	875	974	515	966	487		
Health services, n.e.c.	3 402	6 770	3 419	6 778	3 349	6 623	1 902	5 438	1 884	5 244		
Legal services	6 858	6 003	6 861	6 019	6 849	5 871	4 895	3 501	4 883	3 405		
Educational services	105 785	166 858	106 801	167 586	105 122	164 246	59 853	93 077	59 139	92 191		
Elementary and secondary schools	63 598	124 459	64 489	125 054	63 531	122 687	37 825	73 745	37 417	73 046		
Government	50 598	94 268	51 168	94 648	50 427	92 828	35 395	62 861	35 040	62 272		
Private	13 000	30 191	13 321	30 406	13 104	29 859	2 430	10 884	2 377	10 774		
Colleges and universities	39 446	34 942	39 497	34 979	38 857	34 206	18 815	11 935	18 558	11 820		
Government	28 430	23 205	28 462	23 220	28 054	22 681	12 926	6 891	12 796	6 826		
Private	11 016	11 737	11 035	11 759	10 803	11 525	5 889	5 044	5 762	4 994		
Libraries	768	3 649	821	3 710	789	3 611	678	2 744	670	2 718		
Educational services, n.e.c.	1 951	3 798	1 972	3 833	1 923	3 732	1 791	3 631	1 761	3 595		
Not specified educational services	22	10	22	10	22	10	744	1 022	733	1 012		
Museums, art galleries, and zoos	673	485	673	485	640	467	480	175	473	174		
Religious organizations	11 159	7 388	11 360	7 474	11 258	7 350	10 827	6 049	10 608	5 905		
Welfare services	3 983	7 407	4 016	7 334	3 851	7 214	2 319	4 057	2 265	3 956		
Residential welfare facilities	314	941	314	946	294	908	475	2 070	460	2 015		
Nonprofit membership organizations	6 298	6 170	6 436	6 206	6 230	5 935	5 574	5 207	5 322	4 946		
Engineering and architectural services	13 483	2 131	13 491	2 131	12 393	2 028	9 489	1 277	8 765	1 201		
Accounting, auditing, and bookkeeping services	5 896	4 848	5 910	4 853	5 859	4 705	4 120	2 347	4 071	2 307		
Miscellaneous professional and related services	2 650	2 019	2 673	2 022	2 577	1 967	1 977	970	1 880	946		
Professional and related services—allocated	9 423	23 784	...	...	...	...	...	...	...	...		
Public administration	85 300	44 268	83 520	42 361	80 628	40 852	48 844	26 088	65 430	25 170		
Postal service	18 052	8 598	18 062	8 603	17 792	8 189	17 715	2 717	16 915	2 450		
Federal public administration	15 030	10 203	15 053	10 213	13 267	9 781	11 715	10 194	10 098	9 888		
State public administration	11 761	8 303	11 777	8 317	11 546	8 098	8 510	4 863	8 282	4 708		
Local public administration	38 520	15 204	38 628	15 228	38 023	14 784	30 904	8 314	30 135	8 124		
Public administration—allocated	1 937	1 960	...	...	...	...	...	...	...	...		
Unemployed persons, last worked 1959 or earlier ¹	627	2 934	...	...	...	...	...	...	...	...		
Industry not reported ¹	...	...	120 870	86 426	110 257	77 876	43 685	38 951	55 751	33 831		

¹See text for explanation.

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	The State						Standard metropolitan statistical areas	
	Total		Negro		Persons of Spanish language		Detroit	
	Male	Female	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	2 089 004	1 163 826	191 581	133 920	25 545	11 750	1 015 407	555 346
Agriculture, forestry, and fisheries	50 663	8 044	1 089	600	784	190	5 708	1 885
Agricultural production	40 467	5 139	402	87	634	165	2 593	634
Agricultural services, except horticultural	1 960	1 253	30	19	15	6	528	494
Horticultural services	3 126	294	201	20	49	—	1 561	174
Forestry	867	53	15	—	7	—	114	—
Fisheries	317	68	15	—	—	7	25	—
Agriculture, forestry, and fisheries—allocated	3 926	1 237	426	474	79	12	887	583
Mining	12 944	936	221	47	74	—	1 544	275
Metal mining	6 428	203	35	—	19	—	65	5
Coal mining	115	12	27	—	—	—	57	5
Crude petroleum and natural gas extractions	2 622	552	129	47	22	—	767	219
Nonmetallic mining and quarrying, except fuel	3 246	155	25	—	33	—	601	41
Mining—allocated	533	14	5	—	—	—	54	5
Construction	145 639	9 998	9 608	642	1 223	80	62 527	5 283
General building contractors	30 547	2 235	2 079	151	250	26	12 982	1 324
General contractors, except building	25 450	1 913	1 617	124	208	27	8 679	741
Special trade contractors	67 351	4 503	3 026	211	497	23	31 749	2 507
Not specified construction	11 047	825	1 223	76	144	—	4 515	448
Construction—allocated	11 244	522	1 663	80	124	4	4 602	263
Manufacturing	946 729	221 811	113 149	19 575	14 336	2 735	488 367	99 614
Durable goods	799 346	153 828	104 447	14 589	12 378	1 607	431 699	73 897
Lumber and wood products, except furniture	11 640	2 046	329	74	92	12	1 698	574
Logging	2 437	72	39	—	—	—	104	5
Sawmills, planing mills, and millwork	5 434	938	92	26	26	6	700	243
Miscellaneous wood products	3 769	1 036	198	48	66	6	894	326
Furniture and fixtures	15 584	5 473	632	371	273	118	1 810	569
Stone, clay, and glass products	14 985	4 102	1 104	435	266	62	6 749	2 303
Glass and glass products	3 757	1 563	379	130	96	43	2 005	640
Cement, concrete, gypsum, and plaster products	6 734	495	373	12	88	—	2 222	187
Structural clay products	564	73	45	—	10	—	204	20
Pottery and related products	1 057	869	164	244	25	19	880	813
Miscellaneous nonmetallic mineral and stone products	2 873	1 102	143	49	47	—	1 438	643
Metal industries	134 155	26 327	14 349	1 515	3 321	389	65 342	11 000
Primary metal industries	66 467	8 125	10 101	570	2 410	137	29 850	2 794
Blast furnaces, steelworks, rolling and finishing mills	15 208	941	2 403	79	673	6	13 897	807
Other primary iron and steel industries	35 540	3 282	6 566	269	1 428	47	11 437	919
Primary aluminum industries	3 992	925	263	41	81	14	395	129
Other primary nonferrous industries	11 727	2 977	869	181	228	70	4 121	939
Fabricated metal industries	67 688	18 202	4 248	945	911	252	35 492	8 206
Cutlery, handtools, and other hardware	5 379	2 611	171	130	69	21	1 772	664
Fabricated structural metal products	13 651	2 753	663	82	204	20	7 440	1 215
Screw-machine products	6 274	1 631	358	61	78	29	4 583	1 168
Metal stamping	22 057	5 073	1 790	370	286	62	12 734	2 680
Miscellaneous fabricated metal products	16 586	5 560	1 088	260	220	73	7 026	2 215
Not specified metal industries	3 747	574	178	22	54	7	1 937	264
Machinery, except electrical	138 966	23 952	5 755	1 046	1 386	197	76 372	13 441
Engines and turbines	9 127	982	1 108	65	82	—	7 145	568
Form machinery and equipment	4 102	701	287	18	46	—	2 027	257
Construction and material-handling machines	15 567	1 657	787	69	127	16	3 584	419
Metalworking machinery	53 133	6 766	1 065	195	408	100	36 979	4 760
Office and accounting machines	4 600	2 485	158	49	27	—	3 693	2 144
Electronic computing equipment	3 860	1 680	203	129	7	18	3 022	1 298
Machinery, except electrical, n.e.c.	45 577	8 872	2 034	336	633	30	17 769	3 338
Not specified machinery	3 000	809	113	49	34	6	2 153	657
Electrical machinery, equipment, and supplies	25 470	13 612	809	633	256	159	8 809	3 574
Household appliances	6 103	2 140	223	96	52	11	423	214
Radio, television, and communication equipment	3 296	2 086	108	145	33	24	1 262	439
Electrical machinery, equipment, and supplies, n.e.c.	12 552	7 966	346	316	164	92	5 225	2 141
Not specified electrical machinery, equipment, and supplies	3 519	1 420	132	76	7	32	1 899	780
Transportation equipment	394 037	59 742	69 249	8 094	6 069	479	237 598	34 199
Motor vehicles and motor vehicle equipment	378 383	56 702	68 950	7 961	5 883	462	232 909	33 460
Aircraft and parts	5 781	1 557	126	76	57	13	2 515	480
Ship and boat building and repairing	2 716	310	46	21	48	—	390	76
Railroad locomotives and equipment	1 097	125	34	4	32	—	509	56
Mobile dwellings and campers	4 121	741	49	19	49	—	158	30
Cycles and miscellaneous transportation equipment	1 939	307	44	13	—	—	1 117	97
Professional and photographic equipment, and watches	5 730	2 935	113	93	28	41	1 750	767
Scientific and controlling instruments	3 485	1 361	52	35	19	9	950	358
Optical and health services supplies	1 723	1 035	26	53	9	20	603	362
Photographic equipment and supplies	316	211	31	5	—	—	163	40
Watches, clocks, and clockwork-operated devices	197	311	4	—	—	12	34	—
Not specified professional equipment	9	17	—	—	—	—	—	7
Ordnance	3 335	575	214	94	25	—	2 207	387
Miscellaneous manufacturing industries	11 924	4 983	642	377	208	32	5 613	2 234
Manufacturing, durable goods—allocated	43 520	10 081	11 251	1 857	454	118	23 751	4 849
Nondurable goods	143 006	66 240	8 269	4 790	1 928	1 097	54 732	24 950
Food and kindred products	30 309	11 527	2 570	807	648	304	11 437	3 745
Meat products	3 777	1 576	648	228	136	61	1 972	929
Dairy products	4 679	673	142	24	27	7	1 773	172
Canning and preserving fruits, vegetables, and seafoods	3 728	2 565	127	152	223	160	283	218
Grain-mill products	5 764	2 262	201	60	44	7	241	46
Bakery products	4 091	1 960	505	149	135	27	2 143	901
Confectionery and related products	355	626	15	41	22	—	170	390
Beverage industries	5 141	880	622	114	33	18	3 474	561
Miscellaneous food preparation and kindred products	1 903	630	269	26	28	11	1 028	384
Not specified food industries	871	355	41	13	—	13	353	144
Tobacco manufactures	368	42	13	9	—	—	225	27
Textile mill products	1 683	1 151	127	123	34	—	598	371
Knitting mills	120	278	—	13	—	—	22	44
Dyeing and finishing textiles, except wool and knit goods	102	67	7	—	—	—	24	—
Floor coverings, except hard surface	109	41	12	—	—	—	46	9
Yarn, thread, and fabric mills	614	430	56	58	11	—	317	237
Miscellaneous textile mill products	738	335	52	52	23	—	189	81
Apparel and other fabricated textile products	4 264	7 446	432	715	115	203	2 377	3 006
Apparel and accessories	1 204	3 235	218	310	18	102	702	966
Miscellaneous fabricated textile products	3 060	4 211	214	405	97	101	1 675	2 040

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

	The State						Standard metropolitan statistical areas	
	Total		Negro		Persons of Spanish language		Detroit	
	Male	Female	Male	Female	Male	Female	Male	Female
Manufacturing—Continued								
Nondurable goods—Continued								
Paper and allied products	21 456	6 075	631	283	173	31	3 071	1 386
Pulp, paper, and paperboard mills	11 378	2 258	271	76	70	7	939	340
Miscellaneous paper and pulp products	4 103	1 488	132	103	34	10	969	620
Paperboard containers and boxes	5 975	2 329	228	104	69	14	1 163	426
Printing, publishing, and allied industries	25 420	14 491	908	885	265	170	13 398	6 017
Newspaper publishing and printing	11 323	5 568	370	202	87	15	5 817	2 328
Printing, publishing, and allied industries, except newspapers	14 097	8 923	538	683	178	155	7 581	3 689
Chemicals and allied products	30 700	8 929	1 055	456	284	121	12 755	4 188
Industrial chemicals	8 356	1 195	117	36	65	13	3 721	504
Plastics, synthetics and resins, except fibers	2 183	835	56	20	38	14	749	380
Synthetic fibers	46	—	—	—	—	—	20	—
Drugs and medicines	5 046	2 875	227	193	48	28	2 548	1 664
Soaps and cosmetics	1 493	889	74	66	22	27	727	365
Paints, varnishes, and related products	3 350	723	292	63	25	7	2 298	541
Agricultural chemicals	1 561	191	24	—	20	6	28	—
Miscellaneous chemicals	2 281	571	89	23	35	—	790	215
Not specified chemicals and allied products	6 384	1 650	176	55	31	26	1 874	519
Petroleum and coal products	6 120	1 024	141	41	81	14	1 286	251
Petroleum refining	5 749	925	122	32	75	14	1 050	185
Miscellaneous petroleum and coal products	371	99	19	9	6	—	236	66
Rubber and miscellaneous plastic products	13 551	8 632	1 260	713	226	169	6 627	3 912
Rubber products	7 932	2 947	1 113	359	132	43	4 290	1 558
Miscellaneous plastic products	5 619	5 685	147	354	94	126	2 337	2 354
Leather and leather products	2 162	2 127	128	26	31	36	299	246
Tanned, curried, and finished leather	621	154	78	—	5	7	24	—
Footwear, except rubber	1 126	1 578	13	10	20	29	98	34
Leather products, except footwear	415	395	37	16	6	—	177	212
Manufacturing, nondurable goods—allocated	6 973	4 796	1 004	732	71	49	2 659	1 801
Not specified manufacturing industries	4 377	1 743	433	196	30	31	1 936	767
Transportation, communications, and other public utilities	129 273	41 035	9 921	4 875	1 410	402	65 674	21 724
Transportation	71 084	15 347	4 968	935	899	209	36 705	8 094
Railroads and railway express service	17 926	1 977	766	141	267	28	7 283	1 487
Street railways and bus lines	6 238	5 355	1 449	220	38	13	3 470	1 608
Taxicab service	2 489	551	608	121	14	11	1 754	308
Trucking service	32 194	3 178	1 305	115	384	64	16 677	1 681
Warehousing and storage	3 762	973	290	79	90	25	2 396	536
Water transportation	2 107	220	150	12	—	—	1 010	142
Air transportation	4 862	1 753	330	215	84	18	3 193	1 464
Pipelines, except natural gas	181	5	—	—	—	—	54	5
Services incidental to transportation	1 325	1 335	70	32	22	50	868	863
Communications	19 541	18 578	947	3 023	173	123	10 094	10 429
Radio broadcasting and television	3 099	816	140	45	51	—	1 198	272
Telephone (wire and radio)	15 949	17 277	702	2 880	117	110	8 590	9 892
Telegraph and miscellaneous communication services	493	485	105	98	5	13	306	265
Utilities and sanitary services	33 226	5 266	3 190	562	270	63	16 207	2 292
Electric light and power	15 195	2 251	705	203	100	13	7 602	1 048
Electric-gas utilities	5 137	1 445	144	100	48	25	1 300	329
Gas and steam supply systems	4 352	882	272	131	39	13	2 446	582
Water supply	3 531	407	608	82	31	—	2 079	226
Sanitary services	4 868	230	1 455	39	52	12	2 753	92
Other and not specified utilities	143	51	6	7	—	—	27	15
Transportation, communications, and other public utilities—allocated	5 422	1 844	816	355	68	7	2 668	909
Wholesale and retail trade	351 936	280 660	19 668	20 838	3 084	2 827	171 133	140 592
Wholesale trade	92 829	26 368	5 608	2 037	892	367	50 747	14 951
Motor vehicles and equipment	11 707	2 928	611	155	108	27	6 581	1 704
Drugs, chemicals, and allied products	3 461	1 504	171	124	53	14	2 086	937
Dry goods and apparel	800	409	25	59	7	8	555	279
Food and related products	17 913	4 835	1 435	411	265	127	8 973	2 298
Farm products—raw materials	1 136	335	8	14	19	—	118	43
Electrical goods	5 098	1 644	132	89	30	27	2 684	917
Hardware, plumbing, and heating supplies	3 333	1 049	94	44	21	7	1 782	535
Not specified electrical and hardware products	69	29	—	—	—	—	30	18
Machinery, equipment, and supplies	15 689	4 116	581	191	100	32	9 881	2 707
Metals and minerals, n.e.c.	4 526	981	397	42	71	12	3 403	740
Petroleum products	4 166	1 045	74	75	19	7	1 487	485
Scrap and waste materials	2 923	462	626	129	43	—	1 431	323
Alcoholic beverages	2 882	421	123	4	—	—	1 454	199
Paper and its products	2 072	642	116	23	29	7	1 220	383
Lumber and construction materials	4 020	656	243	29	21	—	1 992	349
Wholesalers, n.e.c.	7 690	3 223	394	292	81	75	4 280	1 887
Not specified wholesale trade	1 634	678	94	20	14	9	971	394
Wholesale trade—allocated	3 710	1 411	484	336	11	15	1 819	753
Retail trade	259 107	254 292	14 060	18 801	2 192	2 460	120 386	125 641
Lumber and building material retailing	11 242	2 649	273	68	20	—	3 980	934
Hardware and farm equipment stores	6 081	2 345	51	32	28	20	1 671	657
General merchandise stores	25 284	62 580	1 843	5 056	181	515	14 188	34 467
Department and mail-order establishments	17 776	44 550	1 503	4 177	145	365	10 536	27 006
Limited-price variety stores	2 424	8 385	110	582	8	44	1 298	4 200
Vending machine operators	2 468	913	149	66	8	9	1 365	417
Direct-selling establishments	1 472	5 438	60	145	20	56	633	1 970
Miscellaneous general merchandise stores	1 144	3 294	21	86	—	41	356	874
Food stores	46 221	34 500	2 556	2 000	488	309	22 024	16 789
Grocery stores	39 151	26 413	2 063	1 692	444	258	18 165	12 288
Dairy products stores	1 417	1 063	23	31	—	18	616	529
Retail bakeries	2 943	4 844	290	131	24	18	1 624	2 512
Food stores, n.e.c.	2 710	2 180	180	146	20	15	1 619	1 460
Motor vehicle dealers	25 444	4 233	1 190	127	177	5	10 794	2 213
Tire, battery, and accessory dealers	5 203	1 056	302	34	26	5	2 735	490
Gasoline service stations	29 846	1 787	1 418	132	228	—	12 250	573

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	The State						Standard metropolitan statistical areas	
	Total		Negro		Persons of Spanish language		Detroit	
	Male	Female	Male	Female	Male	Female	Male	Female
Wholesale and retail trade—Continued								
Retail trade—Continued								
Miscellaneous vehicle dealers	2 644	534	32	—	19	—	895	228
Apparel and accessories stores, except shoe stores	7 376	19 793	556	1 523	62	156	3 905	10 586
Shoe stores	3 687	2 155	266	97	41	18	2 254	982
Furniture and home furnishings stores	8 783	4 493	428	227	39	38	4 268	2 437
Household appliances, television, and radio stores	8 233	3 115	389	265	43	27	3 871	1 591
Eating and drinking places	37 601	68 024	2 217	5 143	519	862	18 989	31 274
Drugstores	7 247	10 855	388	711	40	48	3 808	5 281
Liquor stores	1 234	511	60	32	14	—	692	252
Farm and garden supply stores	2 131	800	23	25	7	6	494	315
Jewelry stores	1 696	2 226	52	118	13	28	689	1 073
Fuel and ice dealers	2 154	547	48	17	12	—	608	195
Retail florists	1 685	2 351	26	48	8	35	845	953
Miscellaneous retail stores	9 959	8 849	322	373	68	83	4 556	4 131
Not specified retail trade	3 251	3 604	137	309	37	86	1 396	2 080
Retail trade—allocated	12 105	17 285	1 483	2 464	122	219	5 474	8 140
Finance, insurance, and real estate	60 657	69 807	3 083	5 835	410	715	33 532	40 030
Banking	11 599	25 274	646	2 059	91	220	6 454	13 492
Credit agencies	5 017	6 711	173	366	26	101	3 036	4 085
Security, commodity brokerage, and investment companies	3 246	1 901	54	71	12	25	2 019	1 385
Insurance	22 805	22 049	925	1 976	187	258	12 039	12 926
Real estate, including real estate—insurance—law offices	15 895	10 637	1 018	836	87	90	8 949	6 320
Finance, insurance, and real estate—allocated	2 095	3 235	267	527	7	21	1 035	1 812
Business and repair services	57 969	25 569	5 117	2 634	635	226	33 216	16 231
Business services	25 684	19 665	2 246	2 024	230	165	16 836	12 874
Advertising	4 124	2 614	102	67	60	23	3 096	2 043
Services to dwellings and other buildings	3 493	2 382	801	696	20	26	1 897	1 552
Commercial research, development, and testing labs	1 819	502	56	19	7	11	1 094	285
Employment and temporary help agencies	1 064	2 759	129	325	10	22	696	1 956
Business management and consulting services	3 390	2 483	169	158	35	7	2 391	1 569
Computer programming services	1 464	1 018	47	114	17	23	894	727
Detective and protective services	3 423	386	605	88	18	—	2 341	294
Business services, n.e.c.	6 907	7 521	337	557	63	53	4 427	4 405
Repair services	29 357	4 130	2 375	283	381	54	14 736	2 269
Automobile services, except repair	4 763	1 055	850	109	73	11	2 944	747
Automobile repair and related services	12 821	1 068	1 045	50	195	21	5 714	432
Electrical repair shops	3 877	594	206	55	68	8	2 047	351
Miscellaneous repair services	7 896	1 413	274	69	45	14	4 031	739
Business and repair services—allocated	2 928	1 774	496	327	24	7	1 644	1 088
Personal services	30 935	85 250	3 946	20 417	403	826	14 759	39 926
Private households	2 326	28 619	405	9 002	18	237	990	12 960
Hotels and motels	5 628	9 590	691	1 901	143	134	2 274	4 005
Lodging places, except hotels and motels	1 433	2 288	41	174	11	27	364	546
Laundry, cleaning, and other garment services	7 499	14 966	1 438	4 427	62	181	4 123	8 213
Beauty shops	1 584	17 337	94	1 266	23	178	945	7 893
Barber shops	6 103	359	660	56	105	8	2 882	194
Shoe repair shops	719	143	97	12	7	—	402	78
Dressmaking shops	149	731	5	66	—	16	88	271
Miscellaneous personal services	3 650	2 965	147	203	21	7	1 813	1 441
Personal services—allocated	1 844	8 252	368	3 310	13	38	878	4 328
Entertainment and recreation services	12 730	8 947	1 078	529	135	110	7 019	4 712
Theaters and motion pictures	3 447	2 386	211	109	29	30	2 012	1 362
Bowling alleys, and billiard and pool parlors	2 780	2 098	136	51	41	26	1 395	1 077
Miscellaneous entertainment and recreation services	5 583	3 810	609	292	57	54	3 140	1 981
Entertainment and recreation services—allocated	920	653	122	77	8	—	472	292
Professional and related services	207 237	369 107	15 693	48 270	2 291	3 234	89 908	163 573
Health services	44 623	146 969	5 313	25 936	799	1 509	21 422	68 220
Offices of physicians	7 466	14 495	256	738	199	161	4 044	7 550
Offices of dentists	3 955	6 197	123	125	18	29	2 048	3 259
Offices of chiropractors	523	204	—	5	6	—	185	61
Hospitals	25 740	98 220	4 315	19 950	512	1 017	12 224	45 857
Convalescent institutions	2 694	20 378	336	4 198	15	246	961	8 197
Offices of health practitioners, n.e.c.	908	855	11	28	6	—	451	411
Health services, n.e.c.	3 337	6 620	272	892	43	56	1 509	2 883
Legal services	6 846	5 855	170	279	16	28	4 300	3 180
Educational services	104 163	163 551	6 336	14 646	937	1 164	37 194	67 017
Elementary and secondary schools	62 693	122 125	4 644	11 843	492	784	28 326	56 742
Government	49 898	92 472	3 821	9 593	397	553	22 928	43 507
Private	12 795	29 653	823	2 250	95	231	5 398	13 235
Colleges and universities	38 810	34 169	1 440	2 286	416	349	7 569	7 435
Government	28 026	22 666	1 004	1 262	266	211	4 649	4 151
Private	10 784	11 503	436	1 024	150	138	2 920	3 286
Libraries	736	3 550	117	300	—	11	385	1 375
Educational services, n.e.c.	1 902	3 697	135	212	29	20	908	1 451
Not specified educational services	22	10	—	5	—	—	6	10
Museums, art galleries, and zoos	640	467	41	43	7	14	429	281
Religious organizations	11 067	7 264	594	429	95	51	4 332	3 572
Welfare services	3 822	7 187	672	1 583	57	117	1 971	3 447
Residential welfare facilities	294	903	36	158	—	7	128	361
Nonprofit membership organizations	6 099	5 899	657	802	61	65	3 221	3 018
Engineering and architectural services	12 385	2 028	228	51	182	26	8 430	1 293
Accounting, auditing, and bookkeeping services	5 845	4 700	114	231	36	36	3 352	2 595
Miscellaneous professional and related services	2 559	1 964	80	124	13	7	1 421	872
Professional and related services—allocated	8 894	22 320	1 452	3 988	88	210	3 708	9 719
Public administration	82 292	42 662	9 008	9 658	760	405	42 020	21 709
Postal service	17 782	8 184	3 425	2 626	139	62	9 047	4 770
Federal public administration	13 249	9 771	1 176	2 852	207	140	7 615	6 044
State public administration	11 535	8 084	460	1 066	53	85	2 456	2 215
Local public administration	37 928	14 760	3 600	2 451	346	89	22 078	7 657
Public administration—allocated	1 798	1 863	347	663	15	29	824	1 023

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

	Standard metropolitan statistical areas—Con.							
	Flint		Grand Rapids		Lansing		Toledo, Ohio-Mich.	
	Male	Female	Male	Female	Male	Female	Male	Female
Total employed, 16 years old and over	117 434	59 132	127 690	76 183	91 823	57 608	169 497	96 186
Agriculture, forestry, and fisheries	1 912	292	3 397	554	3 307	409	3 471	629
Agricultural production	1 540	182	2 743	419	2 894	246	2 560	460
Agricultural services, except horticultural	70	42	184	87	99	102	119	60
Horticultural services	98	12	206	4	119	23	326	10
Forestry	23	—	22	—	21	6	62	5
Fisheries	—	—	25	—	—	—	75	4
Agriculture, forestry, and fisheries—allocated	181	56	217	44	174	32	329	90
Mining	167	14	209	9	199	45	408	39
Metal mining	—	—	5	—	15	4	—	—
Coal mining	4	—	—	—	10	—	7	—
Crude petroleum and natural gas extractions	40	7	70	—	129	41	51	15
Nonmetallic mining and quarrying, except fuel	123	7	98	9	39	—	308	24
Mining—allocated	—	—	36	—	6	—	42	—
Construction	6 559	364	9 964	617	7 967	695	13 011	877
General building contractors	1 347	150	2 190	116	1 637	98	3 037	241
General contractors, except building	1 012	18	1 644	102	2 193	421	2 069	120
Special trade contractors	3 386	141	5 234	326	3 073	149	6 056	419
Not specified construction	405	24	354	58	403	7	987	78
Construction—allocated	409	31	542	15	661	20	862	19
Manufacturing	68 568	12 223	50 659	17 322	30 781	6 332	72 117	17 457
Durable goods	65 489	10 835	40 246	11 414	27 881	4 782	57 838	12 382
Lumber and wood products, except furniture	116	11	945	277	195	24	408	108
Logging	10	—	15	—	19	—	5	—
Sawmills, planing mills, and millwork	53	11	576	93	172	10	248	79
Miscellaneous wood products	53	—	354	184	4	14	155	29
Furniture and fixtures	83	23	7 064	1 799	133	52	1 215	413
Stone, clay, and glass products	296	73	847	161	596	330	10 145	2 344
Glass and glass products	15	10	213	123	382	277	8 002	1 837
Cement, concrete, gypsum, and plaster products	202	24	558	11	125	23	1 814	424
Structural clay products	—	—	16	9	46	12	42	6
Pottery and related products	75	34	—	4	—	9	49	3
Miscellaneous nonmetallic mineral and stone products	4	5	60	14	43	9	238	74
Metal industries	3 000	604	10 374	3 128	2 858	624	11 996	1 790
Primary metal industries	570	15	2 691	443	1 792	298	5 291	450
Blast furnaces, steelworks, rolling and finishing mills	33	—	62	4	35	—	1 056	69
Other primary iron and steel industries	518	15	851	95	1 424	70	1 870	88
Primary aluminum industries	—	—	524	100	284	187	842	93
Other primary nonferrous industries	19	—	1 254	244	49	37	1 523	200
Fabricated metal industries	2 430	589	7 683	2 685	1 066	326	6 705	1 340
Cutlery, handtools, and other hardware	467	220	1 397	754	14	33	418	38
Fabricated structural metal products	408	65	1 248	269	278	90	1 081	212
Screw-machine products	59	14	411	131	187	46	93	23
Metal stamping	1 172	234	1 926	476	118	98	3 378	697
Miscellaneous fabricated metal products	214	47	2 339	993	360	55	1 258	305
Not specified metal industries	110	9	362	62	109	4	477	65
Machinery, except electrical	1 462	198	7 801	1 268	2 833	468	7 842	1 745
Engines and turbines	46	4	516	121	71	47	71	—
Farm machinery and equipment	4	—	181	92	338	55	40	15
Construction and material-handling machines	73	3	874	145	238	58	871	124
Metalworking machinery	879	99	3 077	314	1 271	95	1 908	197
Office and accounting machines	29	5	332	174	25	11	1 110	261
Electronic computing equipment	80	23	74	25	—	—	48	35
Machinery, except electrical, n.e.c.	319	60	2 661	372	833	183	3 698	1 106
Not specified machinery	32	4	86	25	3	—	96	7
Electrical machinery, equipment, and supplies	908	734	3 220	1 424	222	183	2 720	1 754
Household appliances	10	4	1 972	560	—	—	181	50
Radio, television, and communication equipment	80	5	259	156	82	37	198	181
Electrical machinery, equipment, and supplies, n.e.c.	812	710	897	639	117	142	2 207	1 452
Not specified electrical machinery, equipment, and supplies	56	15	92	69	—	—	134	—
Transportation equipment	55 973	8 514	5 855	1 806	19 018	2 754	19 602	2 689
Motor vehicles and motor vehicle equipment	55 326	8 317	4 668	1 554	18 925	2 735	18 340	2 478
Aircraft and parts	47	4	635	151	27	4	682	133
Ship and boat building and repairing	20	6	450	58	5	—	464	29
Railroad locomotives and equipment	6	—	40	8	—	—	—	5
Mobile dwellings and campers	252	67	56	30	38	10	98	44
Cycles and miscellaneous transportation equipment	322	120	6	5	23	5	18	—
Professional and photographic equipment, and watches	32	13	1 383	651	45	5	234	153
Scientific and controlling instruments	10	—	1 234	556	3	—	10	7
Optical and health services supplies	22	13	84	24	20	—	110	116
Photographic equipment and supplies	—	—	18	5	22	5	114	30
Watches, clocks, and clockwork-operated devices	—	—	43	61	—	—	—	—
Not specified professional equipment	—	—	4	5	—	—	—	—
Ordnance	17	3	11	5	—	—	64	36
Miscellaneous manufacturing industries	395	73	1 052	297	293	48	890	724
Manufacturing, durable goods—allocated	3 207	589	1 694	598	1 688	294	2 722	626
Nondurable goods	2 934	1 345	10 080	5 806	2 824	1 498	13 922	4 940
Food and kindred products	724	246	2 350	1 021	958	227	2 666	943
Meat products	113	32	290	120	66	14	144	83
Dairy products	164	38	329	27	312	60	376	70
Canning and preserving fruits, vegetables, and seafoods	64	82	308	162	84	29	487	197
Grain-mill products	15	—	111	9	200	51	563	177
Bakery products	87	19	865	478	132	35	412	163
Confectionery and related products	—	—	86	125	—	—	10	10
Beverage industries	176	66	262	46	111	16	447	50
Miscellaneous food preparation and kindred products	27	9	65	40	31	12	128	138
Not specified food industries	78	—	34	14	22	10	99	55
Tobacco manufactures	76	6	3	4	—	—	142	99
Textile mill products	165	17	458	269	25	10	670	102
Knitting mills	—	—	5	—	3	—	—	20
Dyeing and finishing textiles, except wool and knit goods	—	—	36	56	—	—	—	—
Floor coverings, except hard surface	15	—	5	6	—	—	4	—
Yarn, thread, and fabric mills	41	—	87	55	12	10	171	39
Miscellaneous textile mill products	109	17	325	152	10	—	495	43
Apparel and other fabricated textile products	118	252	503	790	49	58	171	457
Apparel and accessories	9	17	145	378	39	25	62	243
Miscellaneous fabricated textile products	109	235	358	412	10	33	109	214

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

Manufacturing—Continued
Nondurable goods—Continued

	Standard metropolitan statistical areas—Con.							
	Flint		Grand Rapids		Lansing		Toledo, Ohio-Mich.	
	Male	Female	Male	Female	Male	Female	Male	Female
Paper and allied products.....	203	125	1 141	441	102	13	2 303	753
Pulp, paper, and paperboard mills.....	5	10	315	123	38	5	863	135
Miscellaneous paper and pulp products.....	11	—	84	41	31	—	356	219
Paperboard containers and boxes.....	187	115	742	277	33	8	1 084	399
Printing, publishing, and allied industries.....	688	368	2 190	1 353	1 068	770	2 099	750
Newspaper publishing and printing.....	511	231	648	261	548	419	1 197	414
Printing, publishing, and allied industries, except newspapers.....	177	137	1 542	1 092	520	351	902	336
Chemicals and allied products.....	666	80	1 650	752	177	57	2 108	350
Industrial chemicals.....	38	6	298	33	4	—	315	29
Plastics, synthetics and resins, except fibers.....	4	10	22	25	16	—	516	52
Synthetic fibers.....	—	—	4	—	3	—	5	10
Drugs and medicines.....	41	5	333	160	34	4	85	4
Soaps and cosmetics.....	55	13	456	409	10	5	247	89
Paints, varnishes, and related products.....	476	46	329	76	17	—	386	57
Agricultural chemicals.....	21	—	9	9	66	9	116	10
Miscellaneous chemicals.....	14	—	84	24	10	24	114	56
Not specified chemicals and allied products.....	38	—	103	16	17	15	324	43
Petroleum and coal products.....	12	—	60	6	46	—	1 818	144
Petroleum refining.....	12	—	33	6	27	—	1 752	135
Miscellaneous petroleum and coal products.....	—	—	27	—	19	—	66	9
Rubber and miscellaneous plastic products.....	90	134	588	345	225	217	1 312	956
Rubber products.....	9	—	296	176	53	11	667	282
Miscellaneous plastic products.....	81	134	292	169	172	206	645	674
Leather and leather products.....	4	—	743	527	11	17	35	22
Tanned, curried, and finished leather.....	—	—	269	102	—	—	14	—
Footwear, except rubber.....	—	—	453	425	6	17	10	19
Leather products, except footwear.....	4	—	21	—	5	—	11	3
Manufacturing, nondurable goods—allocated.....	188	117	394	298	163	129	598	364
Not specified manufacturing industries.....	145	43	333	102	76	52	357	135
Transportation, communications, and other public utilities.....	4 585	1 829	8 386	2 609	4 122	1 452	16 544	3 390
Transportation.....	2 449	780	5 252	1 111	1 804	600	11 295	1 444
Railroads and railway express service.....	504	26	1 352	83	376	5	4 465	188
Street railways and bus lines.....	123	465	378	401	172	300	430	544
Taxicab service.....	76	33	93	4	52	48	193	34
Trucking service.....	1 536	146	2 841	430	996	121	4 362	423
Warehousing and storage.....	109	64	275	85	85	43	414	87
Water transportation.....	11	4	65	—	6	—	1 055	35
Air transportation.....	68	20	188	29	98	16	246	45
Pipelines, except natural gas.....	6	—	—	—	—	—	37	—
Services incidental to transportation.....	16	22	60	79	19	67	93	90
Communications.....	768	793	1 268	1 127	847	570	1 480	1 323
Radio broadcasting and television.....	199	74	376	110	200	36	373	59
Telephone (wire and radio).....	569	694	888	986	631	523	1 028	1 213
Telegraph and miscellaneous communication services.....	—	25	4	31	16	11	79	51
Utilities and sanitary services.....	1 103	170	1 588	288	1 311	219	3 196	465
Electric light and power.....	273	60	711	111	217	36	1 451	226
Electric-gas utilities.....	407	73	213	48	677	130	192	32
Gas and steam supply systems.....	77	3	264	91	75	13	422	126
Water supply.....	120	16	178	20	154	23	455	56
Sanitary services.....	226	18	203	18	183	10	656	25
Other and not specified utilities.....	—	—	19	—	5	7	20	—
Transportation, communications, and other public utilities—allocated.....	265	86	278	83	160	63	573	156
Wholesale and retail trade.....	16 813	14 363	27 170	19 508	15 989	12 165	29 261	24 545
Wholesale trade.....	4 240	1 304	9 187	2 607	3 617	899	8 331	2 431
Motor vehicles and equipment.....	1 530	346	683	171	410	70	874	157
Drugs, chemicals, and allied products.....	56	33	409	162	154	96	405	156
Dry goods and apparel.....	6	3	115	52	30	—	37	47
Food and related products.....	692	194	2 296	763	730	102	1 154	293
Farm products—raw materials.....	43	14	56	22	47	9	379	62
Electrical goods.....	225	65	454	203	170	10	473	182
Hardware, plumbing, and heating supplies.....	127	79	344	86	167	68	427	151
Not specified electrical and hardware products.....	—	—	—	—	10	—	19	12
Machinery, equipment, and supplies.....	493	191	1 597	369	719	143	1 342	421
Metals and minerals, n.e.c.....	58	20	289	52	123	20	480	101
Petroleum products.....	191	51	255	47	140	46	369	69
Scrap and waste materials.....	71	8	228	25	155	4	310	85
Alcoholic beverages.....	109	12	161	34	89	10	229	36
Paper and its products.....	77	25	220	25	70	35	267	48
Lumber and construction materials.....	101	36	736	87	172	24	426	110
Wholesalers, n.e.c.....	255	122	881	351	268	157	728	357
Not specified wholesale trade.....	20	9	191	46	32	10	214	64
Wholesale trade—allocated.....	186	96	272	112	131	95	198	80
Retail trade.....	12 573	13 059	17 983	16 901	12 372	11 266	20 930	22 114
Lumber and building material retailing.....	599	257	780	124	517	102	778	108
Hardware and farm equipment stores.....	284	98	351	165	272	98	382	140
General merchandise stores.....	1 091	3 168	1 867	4 647	1 391	3 001	2 139	6 160
Department and mail-order establishments.....	754	2 258	1 216	3 432	1 100	2 114	1 604	4 622
Limited-price variety stores.....	74	343	120	488	97	374	140	665
Vending machine operators.....	145	34	287	95	95	35	161	107
Direct-selling establishments.....	92	343	190	460	82	282	121	497
Miscellaneous general merchandise stores.....	26	190	54	172	17	196	113	269
Food stores.....	2 424	1 561	3 836	2 607	1 799	1 217	3 776	2 813
Grocery stores.....	2 171	1 293	3 366	2 077	1 578	911	3 273	2 256
Dairy products stores.....	66	22	87	51	87	45	92	135
Retail bakeries.....	114	192	202	415	91	184	211	283
Food stores, n.e.c.....	73	54	181	64	73	77	200	139
Motor vehicle dealers.....	1 491	202	1 519	224	1 278	147	2 107	284
Tire, battery, and accessory dealers.....	262	77	307	53	176	26	380	86
Gasoline service stations.....	1 485	161	1 699	87	1 362	61	2 424	180

Table 184. Detailed Industry of Employed Persons by Race and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

Wholesale and retail trade—Continued

Retail trade—Continued

Miscellaneous vehicle dealers	163	23
Apparel and accessories stores, except shoe stores	349	1 259
Shoe stores	157	105
Furniture and home furnishings stores	490	270
Household appliances, television, and radio stores	392	188
Eating and drinking places	1 534	3 176
Drug stores	387	773
Liquor stores	58	34
Farm and garden supply stores	83	22
Jewelry stores	99	98
Fuel and ice dealers	80	33
Retail florists	69	142
Miscellaneous retail stores	440	398
Not specified retail trade	103	102
Retail trade—allocated	533	912

Finance, insurance, and real estate

Banking	2 436	2 876
Credit agencies	447	1 264
Security, commodity brokerage, and investment companies	213	226
Insurance	97	42
Real estate, including real estate—insurance—low offices	905	677
Real estate, including real estate—insurance—low offices	722	540
Finance, insurance, and real estate—allocated	52	127

Business and repair services

Business services	2 153	1 071
Advertising	738	801
Services to dwellings and other buildings	62	60
Commercial research, development, and testing labs	124	60
Employment and temporary help agencies	42	22
Business management and consulting services	34	88
Computer programming services	120	173
Detective and protective services	24	41
Business services, n.e.c.	88	33
Repair services	244	324
Automobile services, except repair	1 287	181
Automobile repair and related services	292	55
Electrical repair shops	545	47
Miscellaneous repair services	169	53
Business and repair services—allocated	281	26
Business and repair services—allocated	128	89

Personal services

Private households	1 365	4 145
Hotels and motels	65	1 416
Lodging places, except hotels and motels	100	303
Laundry, cleaning, and other garment services	95	122
Beauty shops	344	788
Barber shops	84	965
Shoe repair shops	426	18
Dressmaking shops	48	—
Miscellaneous personal services	—	59
Personal services—allocated	140	184
Personal services—allocated	63	290

Entertainment and recreation services

Theaters and motion pictures	501	524
Bowling alleys, and billiard and pool parlors	114	63
Miscellaneous entertainment and recreation services	133	135
Entertainment and recreation services—allocated	218	250
Entertainment and recreation services—allocated	36	76

Professional and related services

Health services	9 297	19 682
Offices of physicians	2 203	8 818
Offices of dentists	443	956
Offices of chiropractors	158	286
Hospitals	34	6
Convalescent institutions	1 040	5 688
Offices of health practitioners, n.e.c.	300	1 471
Health services, n.e.c.	49	58
Legal services	179	353
Legal services	235	170

Educational services

Elementary and secondary schools	4 815	8 404
Government	3 821	7 480
Private	2 891	5 407
Colleges and universities	930	2 073
Government	868	545
Private	405	299
Libraries	463	246
Educational services, n.e.c.	43	182
Not specified educational services	83	197

Museums, art galleries, and zoos

Religious organizations	6	9
Welfare services	588	338
Residential welfare facilities	145	344
Nonprofit membership organizations	17	34
Engineering and architectural services	294	268
Accounting, auditing, and bookkeeping services	356	39
Miscellaneous professional and related services	150	278
Professional and related services—allocated	82	69
Professional and related services—allocated	406	911

Public administration

Postal service	3 078	1 749
Federal public administration	559	556
State public administration	234	144
Local public administration	316	220
Public administration—allocated	1 892	779
Public administration—allocated	77	50

Standard metropolitan statistical areas—Con.							
Flint		Grand Rapids		Lansing		Toledo, Ohio-Mich.	
Male	Female	Male	Female	Male	Female	Male	Female
138	35	264	39	138	35	186	23
429	968	1 253	1 253	429	968	437	1 179
177	135	221	111	177	135	313	195
407	163	263	177	407	163	595	285
269	102	187	102	269	102	514	193
1 995	2 957	2 479	4 296	1 995	2 957	3 135	6 503
269	394	448	687	269	394	709	971
11	30	81	10	11	30	162	48
155	44	163	67	155	44	227	72
122	131	176	212	122	131	275	281
119	14	92	22	119	14	147	9
64	119	140	217	64	119	189	250
694	600	814	611	694	600	747	703
220	128	252	110	220	128	333	229
508	794	750	909	508	794	975	1 402
3 267	3 638	4 410	4 504	3 267	3 638	4 580	4 941
588	1 098	641	1 615	588	1 098	848	1 773
166	274	310	324	166	274	414	534
103	73	285	191	103	73	248	131
1 465	1 485	2 103	1 652	1 465	1 485	1 742	1 367
848	566	935	577	848	566	1 128	882
97	142	136	145	97	142	200	254
2 186	1 217	4 378	1 715	2 186	1 217	4 641	2 040
801	1 327	801	1 762	801	1 327	1 884	1 542
162	137	247	162	162	137	183	74
122	84	379	230	122	84	270	253
37	12	27	12	37	12	131	24
65	121	76	151	65	121	114	236
121	128	292	156	121	128	215	302
48	26	49	37	48	26	74	17
97	15	257	9	97	15	277	60
323	491	435	570	323	491	620	576
1 081	182	2 398	286	1 081	182	2 525	390
147	47	429	54	147	47	385	100
433	66	1 023	83	433	66	985	58
197	—	298	29	197	—	415	60
304	69	648	120	304	69	740	172
155	79	218	102	155	79	232	108
1 481	3 847	2 139	5 215	1 481	3 847	2 569	7 736
157	1 172	124	1 562	157	1 172	169	2 194
342	545	488	628	342	545	436	1 126
101	228	98	131	101	228	51	201
288	635	581	1 031	288	635	556	1 337
794	175	1 201	41	794	175	1 614	614
238	8	374	9	238	8	594	62
15	5	34	12	15	5	98	26
7	18	11	63	7	18	8	69
196	160	266	189	196	160	329	304
96	282	62	389	96	282	153	803
532	359	683	585	532	359	1 178	879
177	108	175	156	177	108	226	150
125	52	155	104	125	52	249	240
213	193	309	284	213	193	654	447
17	6	44	41	17	6	49	42
16 148	21 936	12 280	22 230	16 148	21 936	15 632	31 467
1 888	5 841	2 770	9 057	1 888	5 841	2 958	12 516
311	599	497	824	311	599	583	1 014
294	237	287	354	294	237	237	409
16	10	54	19	16	10	38	31
756	3 396	1 470	5 425	756	3 396	1 722	8 759
70	688	219	1 911	70	688	65	1 582
33	49	44	48	33	49	66	85
509	805	199	476	509	805	247	636
191	240	368	431	191	240	686	549
11 265	12 886	5 772	9 457	11 265	12 886	7 729	13 998
2 770	5 756	4 132	7 428	2 770	5 756	4 449	9 577
2 443	4 437	2 877	5 188	2 443	4 437	3 475	6 943
527	1 319	1 255	2 240	527	1 319	974	2 634
8 221	6 510	1 486	1 395	8 221	6 510	3 160	3 595
7 173	5 305	406	354	7 173	5 305	2 720	2 922
1 041	1 205	1 080	1 041	1 041	1 205	440	673
31	297	50	308	31	297	69	555
243	323	104	326	243	323	51	271
—	—	—	—	—	—	—	—
28	5	50	45	28	5	84	52
575	285	1 149	722	575	285	856	716
322	467	216	451	322	467	405	718
83	40	27	98	83	40	40	105
408	496	306	392	408	496	611	609
379	57	634	158	379	57	992	136
365	226	375	369	365	226	530	294
169	190	151	98	169	190	158	187
514	1 160	462	952	514	1 160	583	1 587
5 844	5 513	4 015	1 315	5 844	5 513	6 085	2 186
753	339	1 290	258	753	339	1 827	529
575	417	437	233	575	417	805	405
2 764	3 884	430	111	2 764	3 884	391	216
1 604	672	1 769	691	1 604	672	2 905	988
148	201	89	22	148	201	157	48

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970**

[Data based on sample, see text. For meaning of symbols, see text]

**The State
Standard Metropolitan Statistical
Areas of 250,000 or More**

THE STATE

Male, 16 years old and over	2 203 876	1 983 761	210 780	27 640	2 176 068	1 524 767	491 522	159 779	50 613	127 497	218 773
Agriculture, forestry, and fisheries	53 034	51 622	1 233	838	51 766	37 482	8 423	5 861	2 492	6 112	16 374
Agriculture	51 674	50 314	1 189	831	50 452	36 591	8 118	5 743	2 413	5 902	15 895
Forestry and fisheries	1 360	1 308	34	7	1 314	891	305	118	79	210	479
Mining	13 906	13 642	235	85	13 680	10 032	2 783	865	710	1 407	1 156
Construction	168 269	155 914	11 670	1 559	166 338	92 121	62 450	11 767	3 997	9 828	18 882
Manufacturing	997 549	869 379	124 878	15 455	988 249	733 629	209 594	45 026	25 837	62 946	66 280
Durable goods	844 187	726 156	115 222	13 345	836 479	615 019	185 151	36 309	22 114	54 034	52 688
Lumber	3 148	3 070	42	-	3 076	1 379	1 313	384	117	338	538
Sawmills, planing mills, and millwork	6 067	5 909	103	35	5 980	3 865	1 452	663	221	530	682
Miscellaneous wood products	4 031	3 790	222	66	3 943	2 730	738	475	97	256	372
Furniture and fixtures	16 315	15 590	677	277	16 150	12 402	2 873	875	487	1 051	1 197
Stone, clay, and glass products	16 022	14 751	1 221	284	15 895	11 510	3 628	757	315	897	1 170
Cement, concrete, gypsum, and plaster products	7 376	6 943	404	101	7 330	5 317	1 721	292	131	480	503
Primary iron and steel industries	53 047	43 119	9 711	2 177	52 585	39 198	10 867	2 520	1 231	3 383	3 735
Primary nonferrous industries	16 712	15 425	1 265	315	16 564	12 740	2 943	881	354	925	1 056
Fabricated metal industries, including not specified metal	71 597	66 656	4 752	987	71 047	53 102	14 501	3 444	1 117	3 099	4 493
Machinery, except electrical	143 842	137 412	6 061	1 483	142 962	109 083	28 078	5 801	2 545	5 758	7 135
Office, accounting, and computing machines	8 650	8 221	385	56	8 620	7 163	1 203	254	162	297	319
Electrical machinery, equipment, and supplies	26 544	25 550	905	269	26 315	20 203	4 864	1 248	594	1 310	1 872
Radio, television, and communication equipment	3 471	3 306	150	33	3 439	2 750	517	172	52	126	196
Motor vehicles and motor vehicle equipment	400 690	323 199	76 212	6 413	397 934	289 310	94 920	13 704	12 200	31 691	21 639
Aircraft and parts	6 365	6 203	144	77	6 305	4 929	1 133	243	174	301	423
Other transportation equipment	10 625	10 375	205	139	10 482	7 287	2 448	747	258	522	834
Professional and photographic equipment, and watches	5 959	5 795	132	28	5 929	4 874	763	292	76	152	278
Ordnance	3 434	3 187	230	25	3 412	2 842	475	95	73	138	183
Miscellaneous manufactures and durable goods—allocated	59 789	46 125	13 340	770	57 900	39 565	14 155	4 180	2 255	3 683	7 081
Nondurable goods	148 641	138 999	9 165	2 080	147 134	115 421	23 376	8 337	3 572	8 515	13 092
Meat products	3 988	3 225	736	148	3 941	2 914	727	300	98	198	396
Canning and preserving produce, seafoods, and beverages	9 519	8 636	842	299	9 454	6 926	1 699	829	231	696	1 669
Bakery products	4 239	3 684	543	154	4 197	3 140	773	284	70	193	314
Other food industries	14 139	13 401	715	180	14 026	10 855	2 379	792	411	994	1 084
Yarn, thread, and fabric mills	642	571	71	11	633	471	119	43	86	67	110
Other textile mill products	1 115	1 035	76	23	1 099	829	199	71	14	80	108
Apparel and other fabricated textile products	4 580	4 098	482	119	4 515	3 293	1 006	216	96	201	302
Paper and allied products	22 169	21 370	754	173	22 039	17 285	3 779	975	541	1 110	1 479
Printing, publishing, and allied industries	26 054	25 009	988	265	25 783	20 014	3 923	1 846	433	1 557	2 343
Chemicals and allied products	31 275	29 989	1 149	284	31 099	26 819	3 363	917	731	1 592	1 670
Petroleum and coal products	6 229	6 056	141	81	6 205	5 402	638	165	171	283	309
Rubber and miscellaneous plastic products	14 326	12 928	1 369	241	14 128	10 737	2 580	811	285	797	1 272
Footwear, except rubber	1 301	1 277	13	20	1 284	990	260	34	31	102	116
Other nondurable goods	9 065	7 720	1 286	82	8 731	5 746	1 931	1 054	374	645	1 920
Not specified manufacturing industries	4 721	4 224	491	30	4 636	3 189	1 067	380	151	397	500
Transportation, communications, and other public utilities ¹	134 340	123 283	10 578	1 464	133 159	99 501	27 405	6 253	3 733	8 337	9 524
Railroads and railway express service	18 374	17 462	833	282	18 226	14 274	3 334	618	1 123	2 294	1 285
Street railways and bus lines	6 384	4 874	1 485	38	6 358	4 378	1 606	374	237	445	525
Trucking service and warehousing	38 455	36 504	1 817	499	38 212	26 301	10 021	1 890	570	1 740	2 395
Water transportation	2 583	2 339	211	-	2 538	1 028	1 190	320	96	321	494
Air transportation	5 062	4 695	346	84	5 015	3 980	778	257	41	99	251
All other transportation	4 190	3 457	720	36	4 153	2 390	1 340	423	146	401	579
Communications	19 781	18 741	983	173	19 612	16 362	2 534	716	257	656	802
Electric and gas utilities	24 895	23 716	1 143	190	24 756	20 050	3 984	722	590	1 251	1 187
Water supply, sanitary services, and other utilities	8 820	6 643	2 148	83	8 735	6 925	1 340	470	363	673	891
Wholesale and retail trade	369 184	346 043	21 660	3 335	361 760	238 174	74 705	48 881	5 802	16 402	51 300
Wholesale trade	95 647	89 303	6 027	947	94 858	74 223	15 272	5 363	1 491	3 508	6 686
Food and farm products	19 592	18 033	1 508	301	19 419	15 157	3 073	1 189	392	880	1 840
Retail trade	273 537	256 740	15 633	2 388	266 902	163 951	59 433	43 518	4 311	13 094	44 614
Hardware, farm equipment, and building material retailing	18 073	17 655	394	54	17 894	13 309	3 172	1 413	435	990	1 607
General merchandise stores	26 536	24 493	1 985	186	26 078	17 631	5 028	3 419	360	1 141	3 947
Food stores	47 982	45 161	2 697	539	46 776	28 193	10 318	8 265	821	2 184	7 505
Motor vehicles and accessories retailing	34 578	32 858	1 635	242	34 237	25 449	6 000	2 788	425	1 250	2 564
Gasoline service stations	32 227	30 545	1 605	234	30 989	15 867	8 431	6 691	284	1 221	5 359
Apparel and accessories stores	11 558	10 579	920	116	11 385	6 732	2 727	1 926	213	533	2 287
Furniture, home furnishings, and equipment stores	17 635	16 680	894	97	17 487	12 609	3 460	1 418	183	795	1 565
Eating and drinking places	40 783	37 701	2 532	590	38 914	17 226	10 764	10 924	695	2 622	10 623
Drugstores	7 516	7 082	413	40	7 412	4 566	1 559	1 287	83	295	1 181
Other retail trade	36 649	33 986	2 558	290	35 730	22 369	7 974	5 387	812	2 063	7 976
Finance, insurance, and real estate	61 673	58 326	3 228	416	61 217	48 717	9 449	3 051	1 100	2 686	4 457
Banking and credit agencies	16 792	15 919	840	117	16 706	13 936	1 929	841	290	611	956
Insurance	22 993	21 997	958	187	22 892	19 293	2 982	617	333	564	782
Other finance and real estate	21 888	20 410	1 430	112	21 619	15 488	4 538	1 593	477	1 311	2 719
Business and repair services	61 174	55 158	5 705	656	59 985	39 818	13 654	6 513	943	2 765	6 679
Advertising	4 228	4 100	106	60	4 194	3 343	588	263	69	135	288
Commercial research, management, and programing services	6 958	6 634	281	67	6 893	5 247	1 124	522	30	137	438
Automobile services	18 566	16 328	2 106	281	18 030	11 400	4 286	2 344	335	865	2 055
Other business and repair services	31 422	28 096	3 212	248	30 868	19 828	7 656	3 384	509	1 628	3 898
Personal services	32 664	28 274	4 252	440	31 997	19 794	7 445	4 758	1 234	3 261	7 675
Private households	2 488	2 189	457	25	2 523	958	586	979	209	472	1 783
Hotels and lodging places	7 828	6 989	823	167	7 675	3 709	2 163	1 803	363	1 145	3 308
Laundry, cleaning, and other garment services	7 808	6 225	1 548	71	7 677	5 485	1 306	886	232	709	907
Barber and beauty shops	7 721	6 955	759	136	7 598	5 223	2 053	322	165	414	430
Other personal services	6 619	5 916	665	41	6 524	4 419	1 337	768	265	521	1 247
Entertainment and recreation services	14 175	12 880	1 258	161	13 775	6 575	4 284	2 916	247	1 294	6 333
Professional and related services	211 981	193 193	16 478	2 410	209 521	126 698	62 297	20 526	2 518	7 443	20 426
Health services	45 459	38 987	5 604	821	44 855	31 235	9 963	3 3			

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued**

[Data based on sample, see text. For meaning of symbols, see text]

**The State
Standard Metropolitan Statistical
Areas of 250,000 or More**

THE STATE—Continued

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Female, 16 years old and over	1 238 577	1 083 570	148 633	12 984	1 178 191	563 700	385 183	229 308	116 000	307 826	340 419
Agriculture, forestry, and fisheries	8 691	7 916	666	232	7 983	3 891	1 897	2 195	887	2 812	6 175
Agriculture	8 546	7 771	666	225	7 843	3 804	1 874	2 165	858	2 737	6 074
Forestry and fisheries	145	145	—	7	140	87	23	30	29	75	101
Mining	977	930	47	—	960	642	185	133	108	174	192
Construction	10 762	10 003	741	80	10 384	6 399	2 565	1 420	858	2 052	2 689
Manufacturing	249 413	223 999	24 229	3 346	240 964	134 139	72 920	33 905	24 058	63 977	55 644
Durable goods	173 231	154 404	18 115	1 994	167 845	95 241	51 074	21 530	15 633	40 924	33 543
Logging	105	99	6	—	85	35	21	29	9	—	58
Sawmills, planing mills, and millwork	1 115	1 075	38	6	1 046	496	346	204	66	228	329
Miscellaneous wood products	1 123	1 058	53	6	1 045	524	325	196	113	235	306
Furniture and fixtures	6 204	5 758	430	154	6 003	3 387	1 738	878	508	1 452	1 268
Stone, clay, and glass products	4 486	3 944	528	62	4 339	2 424	1 221	694	389	945	1 119
Cement, concrete, gypsum, and plaster products	522	499	23	—	512	318	130	64	55	120	151
Primary iron and steel industries	4 460	4 086	370	53	4 386	2 613	1 298	475	344	1 002	790
Primary nonferrous industries	4 489	4 142	313	88	4 335	2 498	1 213	624	279	1 124	938
Fabricated metal industries, including not specified metal	21 273	19 969	1 233	324	20 746	11 109	6 587	3 050	1 835	5 486	4 698
Machinery, except electrical	25 767	24 420	1 223	236	25 119	15 242	6 754	3 123	2 004	5 275	4 201
Office, accounting, and computing machines	4 455	4 087	358	54	4 402	2 692	1 321	389	497	875	562
Electrical machinery, equipment, and supplies	15 928	14 973	864	227	15 460	8 492	4 714	2 254	1 726	5 045	3 747
Radio, television, and communication equipment	2 687	2 386	291	31	2 616	1 599	590	427	369	1 142	881
Motor vehicles and motor vehicle equipment	64 325	54 000	10 096	590	63 434	37 088	20 153	6 193	5 759	14 156	9 356
Aircraft and parts	1 724	1 619	98	13	1 694	1 042	505	147	241	483	338
Other transportation equipment	1 793	1 723	70	4	1 709	869	538	302	140	466	495
Professional and photographic equipment, and watches	3 149	3 014	115	41	3 061	1 734	893	434	315	732	603
Ordnance	675	555	120	8	642	374	166	102	138	275	160
Miscellaneous manufactures and durable goods—allocated	16 615	13 969	2 558	182	14 741	7 314	4 602	2 825	1 767	4 020	5 137
Nondurable goods	74 211	67 883	5 867	1 312	71 210	38 019	21 200	11 991	8 109	22 427	21 443
Meat products	1 719	1 430	260	89	1 665	877	494	294	191	498	520
Canning and preserving produce, seafoods, and beverages	4 660	4 199	415	247	4 451	1 587	1 461	1 403	924	2 237	3 003
Bakery products	2 154	1 967	187	46	2 057	1 092	669	296	270	640	554
Other food industries	4 944	4 682	243	50	4 826	2 638	1 490	698	559	1 246	1 052
Yarn, thread, and fabric mills	536	460	76	—	489	194	180	115	117	220	237
Other textile mill products	823	736	87	—	802	457	238	107	128	439	284
Apparel and other fabricated textile products	9 073	8 105	894	227	8 696	4 017	3 408	1 271	1 123	3 652	2 465
Paper and allied products	6 654	6 295	351	43	6 450	3 886	1 661	903	682	1 645	1 277
Printing, publishing, and allied industries	15 308	14 208	1 003	187	14 793	7 915	4 236	2 642	1 255	3 366	3 775
Chemicals and allied products	9 381	8 790	516	127	9 157	5 893	2 001	1 263	969	2 323	1 946
Petroleum and coal products	1 038	992	41	14	1 008	733	392	183	136	262	131
Rubber and miscellaneous plastic products	10 105	9 180	893	183	9 717	4 899	3 086	1 732	771	3 198	3 314
Footwear, except rubber	1 925	1 906	15	36	1 893	1 173	473	247	225	738	518
Other nondurable goods	5 891	4 933	886	63	5 206	2 658	1 611	937	759	1 763	2 367
Not specified manufacturing industries	1 971	1 712	247	40	1 909	879	646	384	316	626	678
Transportation, communications, and other public utilities ¹	42 467	37 197	5 211	410	41 235	24 228	11 472	5 535	5 414	10 036	8 086
Railroads and railway express service	2 002	1 854	148	28	1 946	1 373	422	151	260	494	285
Street railways and bus lines	5 472	5 240	232	13	5 351	730	3 561	1 060	110	493	599
Trucking service and warehousing	4 410	4 185	215	89	4 301	2 751	1 011	539	381	1 148	914
Water transportation	241	224	17	—	235	158	42	35	27	68	107
Air transportation	1 842	1 627	215	18	1 820	1 204	422	194	212	491	421
All other transportation	2 014	1 821	176	61	1 910	1 041	504	365	90	432	462
Communications	19 153	15 934	3 192	131	18 648	12 195	4 135	2 318	3 057	4 930	3 895
Electric and gas utilities	4 626	4 165	456	51	4 580	3 414	661	505	813	1 206	545
Water supply, sanitary services, and other utilities	724	585	139	12	686	515	110	61	107	124	145
Wholesale and retail trade	300 405	275 162	24 025	3 130	282 441	129 596	83 172	69 673	33 161	92 087	111 919
Wholesale trade	27 992	25 543	2 358	420	26 990	15 792	6 908	4 290	3 046	6 997	7 113
Food and farm products	5 651	5 117	497	149	5 467	2 760	1 618	1 089	712	1 757	1 650
Retail trade	272 413	249 619	21 667	2 710	255 451	113 804	76 264	65 383	30 115	85 090	104 806
Hardware, farm equipment, and building material retailing	5 243	5 132	106	20	5 064	2 828	1 295	941	522	1 365	1 583
General merchandise stores	66 956	60 945	5 824	546	64 087	30 857	17 338	15 892	8 492	24 604	24 356
Food stores	36 163	33 847	2 230	351	34 414	17 273	10 150	6 991	3 738	9 729	10 714
Motor vehicles and accessories retailing	6 084	5 886	187	10	5 894	3 518	1 403	973	513	1 546	1 429
Gasoline service stations	1 906	1 757	149	—	1 788	991	402	395	69	356	472
Apparel and accessories stores	23 398	21 469	1 859	190	22 413	9 747	7 091	5 575	2 779	6 361	7 933
Furniture, home furnishings, and equipment stores	8 060	7 471	565	79	7 724	4 062	2 273	1 389	775	1 869	2 107
Eating and drinking places	74 557	67 863	6 795	985	68 394	23 804	22 873	21 715	7 929	25 501	34 858
Drugstores	11 409	10 591	795	57	10 849	4 889	3 133	2 847	1 384	3 459	3 677
Other retail trade	38 637	34 658	3 871	492	34 804	15 833	10 306	8 665	3 914	10 300	17 677
Finance, insurance, and real estate	71 540	65 194	6 165	735	68 960	42 346	16 178	10 436	8 346	18 183	14 383
Banking and credit agencies	32 691	30 042	2 573	333	31 813	20 269	7 004	4 540	3 919	8 431	6 089
Insurance	22 546	20 451	2 053	258	21 792	13 669	5 022	3 101	2 996	6 053	4 331
Other finance and real estate	16 303	14 701	1 539	144	15 355	8 408	4 152	2 795	1 431	3 699	3 963
Business and repair services	27 657	24 483	3 046	281	25 947	12 269	7 524	6 154	2 675	7 904	10 936
Advertising	2 765	2 646	101	23	2 657	1 677	595	385	423	870	666
Commercial research, management, and programing services	4 221	3 884	314	41	3 901	1 711	1 033	1 157	212	877	1 306
Automobile services	2 292	2 095	191	40	2 227	1 188	642	397	132	495	505
Other business and repair services	18 379	15 858	2 440	177	17 162	7 693	5 254	4 215	1 908	5 662	8 459
Personal services	90 781	68 026	22 202	881	83 586	34 698	27 127	21 761	10 264	28 095	31 139
Private households	30 339	20 547	9 598	241	27 632	8 767	9 052	9 813	3 720	9 944	10 563
Hotels and lodging places	13 310	10 860	2 378	179	12 130	5 170	3 667	3 293	1 434	4 797	7 023
Laundering, cleaning, and other garment services	15 949	10 959	4 911	196	14 977	7 470	4 541	2 966	1 853	4 959	4 699
Barber and beauty shops	18 128	16 669	1 395	186	17 294	8 200	6 018	3 076	1 871	5 624	3 722
Other personal services	13 055	8 991	3 920	79	11 553	5 091	3 849	2 613	1 386	2 771	5 132
Entertainment and recreation services	9 773	9 058	695	116	9 066	2 829	3 428	2 809	903	2 880	5 443
Professional and related services	378 909	325 402	50 854	3 332	364 269	145 001	149 856	69 412	25 898	70 914	82 235
Health services	150 875	122 271	27 179	1 557	145 430	81 383	39 575	24 472	11 448	30 534	29 943
Educational services, government	121 386	108 993	11 719	776	117 975	24 856	68 633	24 486	7 443	21 664	26 651
Educational services, private	45 472	41 612	3 586	414	43 922	9 678	24 568	9 676	2 307	7 414	9 253
Welfare, religious, and nonprofit membership organizations	21 906	18 680	3 132	247	21 235	11 730	5 715	3 790	1 478	4 448	5 170
Other professional and related services	39 270	33 846	5 238	338	35 707	17 354	11 365	6 988	3 222	6 854	11 218
Public administration ¹	44 268	33 871	10 172	412	42 396	27 662	8 859	5 875	3 428	8 712	11 558
Postal service	8 598	5 751	2 786	62	8 368	5 121	2 056	1 371	305	1 371	2 109
Federal public administration	10 203	7 107	3 004	147	9 454	6 329	1 790	1 335	1 326	2 597	2 360
State and local public administration	23 507	19 773	3 682	174	22 868	15 219	4 576	3 073	1 589	4 351	6 136
Unemployed persons, last worked 1959 or earlier ²	2 934	2 329	580	29	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

DETROIT SMSA

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Male, 16 years old and over	1 069 364	899 364	165 023	13 448	1 055 444	736 516	248 125	70 803	23 348	56 044	85 155
Agriculture, forestry, and fisheries	6 366	5 549	812	106	6 150	3 571	1 706	873	240	639	2 156
Agriculture	6 222	5 429	788	106	6 011	3 451	1 687	873	233	629	2 142
Forestry and fisheries	144	120	24	—	139	120	19	—	7	10	14
Mining	1 629	1 437	189	37	1 594	1 087	394	113	86	84	124
Construction	70 315	61 099	8 934	604	69 415	37 841	27 236	4 338	1 350	3 418	5 680
Manufacturing	515 386	417 836	95 881	7 218	510 179	374 081	114 439	21 659	14 164	31 586	28 883
Durable goods	456 654	366 599	88 568	6 481	452 152	329 707	104 210	18 235	12 764	28 166	24 410
Logging	109	85	24	—	109	68	41	—	—	9	13
Sawmills, planing mills, and millwork	775	730	45	—	755	517	162	76	27	39	56
Miscellaneous wood products	942	784	158	23	917	639	193	85	31	65	41
Furniture and fixtures	1 918	1 677	236	24	1 866	1 366	413	87	55	113	115
Stone, clay, and glass products	7 162	6 126	1 002	163	7 075	4 914	1 784	377	115	406	486
Cement, concrete, gypsum, and plaster products	2 415	2 098	293	55	2 386	1 600	721	65	36	134	169
Primary iron and steel industries	26 479	21 503	4 895	967	26 234	19 366	5 625	1 243	563	1 436	1 677
Primary nonferrous industries	4 752	4 062	686	66	4 710	3 592	1 097	211	146	331	296
Fabricated metal industries, including not specified metal	37 200	33 393	3 700	526	36 929	27 666	7 490	1 773	607	1 452	2 017
Machinery, except electrical	78 470	73 858	4 454	754	77 967	58 454	16 475	3 038	1 231	2 432	3 101
Office, accounting, and computing machines	6 845	6 488	323	44	6 815	5 692	975	148	119	257	179
Electrical machinery, equipment, and supplies	9 110	8 614	475	59	9 020	7 078	1 533	409	145	226	495
Radio, television, and communication equipment	1 323	1 238	85	12	1 312	1 028	225	42	—	4	47
Motor vehicles and motor vehicle equipment	248 916	185 841	62 169	3 503	247 036	178 500	60 131	8 405	8 360	19 451	12 626
Aircraft and parts	2 492	2 581	111	21	2 463	2 077	497	89	97	104	147
Other transportation equipment	2 250	2 105	134	7	2 234	1 735	356	143	105	99	165
Professional and photographic equipment, and watches	1 787	1 731	56	7	1 770	1 421	251	98	19	24	90
Ordinance	2 265	2 031	226	—	2 247	1 809	351	87	33	67	96
Miscellaneous manufactures and durable goods—allocated	31 827	21 478	10 197	354	30 620	20 505	8 001	2 114	1 230	1 707	2 989
Nondurable goods	56 702	49 591	6 929	721	56 023	43 007	9 730	3 286	1 329	3 253	4 261
Meat products	2 086	1 385	689	72	2 051	1 439	454	158	55	109	143
Canning and preserving produce, seafoods, and beverages	3 861	3 234	616	20	3 822	2 864	752	206	91	246	272
Bakery products	2 203	1 753	446	39	2 180	1 592	493	95	32	113	120
Other food industries	3 651	3 145	500	39	3 611	2 769	660	182	115	250	265
Yarn, thread, and fabric mills	335	275	60	5	331	253	52	26	5	47	35
Other textile mill products	294	232	58	13	283	220	40	23	4	23	23
Apparel and other fabricated textile products	2 503	2 066	437	38	2 453	1 798	548	107	61	89	115
Paper and allied products	3 214	2 793	417	33	3 192	2 365	542	285	53	106	243
Printing, publishing, and allied industries	13 769	12 936	805	165	13 626	10 451	2 225	950	179	794	1 134
Chemicals and allied products	13 034	12 095	877	128	12 961	10 974	1 536	451	315	697	610
Petroleum and coal products	1 316	1 219	97	50	1 311	1 061	200	50	52	64	59
Rubber and miscellaneous plastic products	6 996	5 901	1 070	74	6 917	5 194	1 388	335	198	441	557
Footwear, except rubber	109	103	6	14	109	66	43	—	6	9	11
Other nondurable goods	3 331	2 454	851	31	3 176	1 961	797	418	163	265	674
Not specified manufacturing industries	2 030	1 646	384	16	2 004	1 367	499	138	71	167	212
Transportation, communications, and other public utilities ¹	68 065	58 548	9 191	1 063	67 507	50 170	14 225	3 112	1 483	3 247	3 943
Railroads and railway express service	7 438	6 705	693	223	7 395	5 559	1 569	267	381	734	417
Street railways and bus lines	3 540	2 182	1 342	26	3 530	2 765	620	145	123	235	246
Trucking service and warehousing	20 294	18 626	1 567	389	20 150	13 483	5 651	1 016	228	803	1 037
Water transportation	1 208	1 004	187	—	1 188	386	656	146	21	95	132
Air transportation	3 330	2 984	325	70	3 301	2 581	567	153	27	49	131
All other transportation	2 790	2 130	657	36	2 772	1 501	1 032	239	79	219	351
Communications	10 210	9 309	853	109	10 140	8 350	1 410	380	124	227	322
Electric and gas utilities	11 414	10 523	867	99	11 347	9 694	1 306	347	192	462	436
Water supply, sanitary services, and other utilities	4 992	2 997	1 972	55	4 947	3 904	819	224	192	290	393
Wholesale and retail trade	179 303	160 328	17 904	1 794	175 632	113 858	38 632	23 142	2 518	7 549	22 762
Wholesale trade	52 158	46 713	5 218	491	51 662	40 291	8 797	2 574	719	1 606	2 967
Food and farm products	9 250	7 869	1 353	68	9 176	7 128	1 605	443	165	371	673
Retail trade	127 145	113 615	12 686	1 303	123 970	73 567	29 835	20 568	1 799	5 943	19 795
Hardware, farm equipment, and building material retailing	5 890	5 562	323	14	5 824	4 094	1 227	503	109	233	526
General merchandise stores	14 845	13 132	1 666	106	14 597	10 016	2 715	1 866	183	682	1 935
Food stores	22 705	20 358	2 271	326	22 164	13 008	5 445	3 711	390	1 124	3 228
Motor vehicles and accessories retailing	14 878	13 612	1 217	129	14 720	10 487	3 055	1 178	127	488	1 038
Gasoline service stations	13 424	12 018	1 369	93	12 913	5 915	3 838	3 160	94	484	2 305
Apparel and accessories stores	6 425	5 567	807	67	6 304	3 591	1 625	1 088	91	222	1 034
Furniture, home furnishings, and equipment stores	8 472	7 630	787	69	8 379	5 813	1 875	691	85	339	612
Eating and drinking places	20 639	18 278	1 913	315	19 709	9 004	5 466	5 239	364	1 409	5 143
Drug stores	3 985	3 640	337	34	3 920	2 290	881	749	31	146	598
Other retail trade	15 882	13 818	1 996	150	15 440	9 349	3 708	2 383	325	816	3 376
Finance, insurance, and real estate	34 056	31 095	2 875	278	33 760	26 789	5 310	1 661	583	1 258	2 130
Banking and credit agencies	9 567	8 797	737	82	9 517	7 799	1 204	514	144	391	447
Insurance	12 146	11 226	887	112	12 083	10 095	1 648	340	202	275	430
Other finance and real estate	12 343	11 072	1 251	84	12 160	8 895	2 458	807	237	592	1 253
Business and repair services	35 040	30 018	4 855	426	34 406	22 793	8 008	3 605	427	1 476	3 224
Advertising	3 172	3 049	101	54	3 138	2 526	429	183	38	89	161
Commercial research, management, and programing services	4 569	4 301	241	38	4 535	3 497	760	278	19	83	200
Automobile services	9 141	7 339	1 744	193	8 860	5 345	2 348	1 167	138	371	951
Other business and repair services	18 158	15 329	2 769	141	17 873	11 425	4 471	1 977	232	933	1 912
Personal services	15 487	11 960	3 458	279	15 160	9 344	3 812	2 004	558	1 376	2 678
Private households	1 147	788	346	18	1 083	433	307	343	82	182	524
Hotels and lodging places	2 898	2 256	633	116	2 842	1 385	804	653	149	372	989
Laundering, cleaning, and other garment services	4 285	2 961	1 307	48	4 205	2 933	765	507	127	389	454
Barber and beauty shops	3 861	3 256	598	70	3 786	2 433	1 199	154	80	212	236
Other personal services	3 296	2 699	574	27	3 244	2 160	737	347	120	221	475
Entertainment and recreation services	7 747	6 750	973	93	7 518	3 643	2 421	1 454	97	574	2 867
Professional and related services	92 405	79 616	11 651	1 088	91 302	56 230	27 545	7 527	1 046	2 832	7 278
Health services	21 880	17 153	4 149	460	21 561	14 601	5 092	1 868	230	783	1 652
Educational services, government	28 577	24 987	3 365	194	28 329	13 032	13 037	2 260	346	898	2 099
Educational services, private	9 251	8 284	873	104	9 147	4 544	3 394	1 209	89	222	828
Welfare, religious, and nonprofit membership organizations	9 817	8 211	1 557	94	9 657	7 182	1 710	765	154	409	895
Other professional and related services	22 880	20 981	1 707	236	22 608	16 871	4 312	1 425	227	520	1 804
Public administration ¹	43 170	34 921	8 112	444	42 821	37 109	4 397	1 315	796	2 005	3 430
Postal service	9 198	6 052	3 111	85	9 132	7 707	1 146	279	185	403	446
Federal public administration	8 291	7 127	1 131	128	8 156	7 258	678	220	194	766	1 370
State and local public administration	24 810	21 216	3 525	231	24 691	21 560	2 377	754	374	763	1 359
Unemployed persons, last worked 1959 or earlier ²	395	207	188	18	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately. ²See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued**

[Data based on sample, see text. For meaning of symbols, see text]

**The State
Standard Metropolitan Statistical
Areas of 250,000 or More**

DETROIT SMSA—Continued

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Female, 16 years old and over	589 484	470 504	115 847	6 359	561 602	273 916	186 366	101 320	56 909	147 194	144 206
Agriculture, forestry, and fisheries	2 028	1 532	464	6	1 899	818	577	504	142	592	794
Agriculture	2 023	1 547	464	6	1 894	818	577	499	134	564	794
Forestry and fisheries	5	5	—	—	5	—	—	5	8	28	—
Mining	279	238	41	—	273	166	60	47	4	57	52
Construction	5 652	4 969	670	56	5 440	3 294	1 404	742	468	1 133	1 139
Manufacturing	110 817	93 613	16 732	1 411	107 448	61 024	32 783	13 641	11 383	27 939	22 822
Durable goods	82 338	69 714	12 361	851	80 106	46 770	23 995	9 341	8 095	19 159	14 813
Logging	5	5	—	—	5	—	—	—	—	—	12
Sawmills, planing mills, and millwork	278	251	27	6	272	115	111	46	25	56	53
Miscellaneous wood products	339	312	23	—	314	149	115	50	15	79	91
Furniture and fixtures	701	583	118	23	685	357	248	80	69	210	129
Stone, clay, and glass products	2 519	2 034	471	41	2 468	1 406	676	386	208	504	586
Cement, concrete, gypsum, and plaster products	192	181	11	—	192	139	50	3	20	71	65
Primary iron and steel industries	1 780	1 606	174	6	1 766	1 143	443	180	172	413	307
Primary nonferrous industries	1 185	1 069	116	20	1 134	680	326	128	111	259	236
Fabricated metal industries, including not specified metal	9 511	8 614	882	141	9 340	4 980	2 979	1 381	853	2 415	2 181
Machinery, except electrical	14 416	13 403	963	135	14 087	8 570	3 918	1 599	1 274	2 962	2 271
Office, accounting, and computing machines	3 613	3 259	350	50	3 590	2 233	1 084	273	437	662	417
Electrical machinery, equipment, and supplies	4 151	3 740	389	41	4 014	2 240	1 167	607	520	1 275	907
Radio, television, and communication equipment	605	535	70	—	588	271	151	166	77	265	192
Motor vehicles and motor vehicle equipment	37 654	30 283	7 239	335	37 168	22 584	11 302	3 282	3 768	8 502	5 198
Aircraft and parts	499	453	46	7	489	332	112	45	81	178	121
Other transportation equipment	306	268	38	—	291	186	80	25	43	88	86
Professional and photographic equipment, and watches	808	751	57	10	797	395	237	165	61	212	182
Ordnance	451	353	98	—	429	270	101	58	109	186	125
Miscellaneous manufactures and durable goods—allocated	7 735	5 989	1 720	86	6 847	3 358	2 180	1 309	786	1 820	2 328
Nondurable goods	27 628	23 245	4 181	550	26 523	13 843	8 540	4 140	3 162	8 519	7 732
Meat products	988	740	240	62	958	470	343	145	114	245	231
Canning and preserving produce, seafoods, and beverages	903	704	199	25	859	443	295	121	116	385	262
Bakery products	944	798	146	14	923	526	289	108	127	293	175
Other food industries	1 258	1 119	125	11	1 215	568	436	211	192	397	313
Yarn, thread, and fabric mills	264	188	76	—	238	72	115	51	19	88	90
Other textile mill products	167	94	73	—	167	65	46	56	36	165	92
Apparel and other fabricated textile products	3 606	2 799	766	164	3 473	1 447	1 505	521	400	1 299	1 020
Paper and allied products	1 599	1 386	205	5	1 558	842	452	264	183	472	502
Printing, publishing, and allied industries	6 437	5 701	680	115	6 216	3 245	1 892	1 079	666	1 564	1 649
Chemicals and allied products	4 403	3 968	393	45	4 324	2 789	1 003	532	480	1 039	903
Petroleum and coal products	256	234	22	—	249	175	49	25	47	76	90
Rubber and miscellaneous plastic products	4 540	3 853	682	64	4 370	2 238	1 431	701	412	1 650	1 591
Footwear, except rubber	45	45	—	8	45	24	15	6	26	41	49
Other nondurable goods	2 218	1 616	574	37	1 928	939	669	320	344	805	819
Not specified manufacturing industries	851	654	190	10	819	411	248	160	126	261	277
Transportation, communications, and other public utilities ¹	22 456	18 054	4 353	273	21 728	13 573	5 648	2 507	2 794	5 222	3 991
Railroads and railway express service	1 498	1 355	143	28	1 463	1 046	329	88	166	323	160
Street railways and bus lines	1 654	1 527	127	—	1 592	351	980	261	45	146	222
Trucking service and warehousing	2 335	2 174	151	66	2 269	1 425	562	282	175	595	490
Water transportation	142	130	12	—	136	98	33	5	11	27	51
Air transportation	1 515	1 315	200	18	1 498	1 007	376	115	134	314	282
All other transportation	1 248	1 108	129	47	1 180	684	308	188	52	261	218
Communications	10 718	7 959	2 736	75	10 413	6 844	2 365	1 204	1 523	2 534	1 918
Electric and gas utilities	1 991	1 605	381	26	1 956	1 422	332	202	484	659	233
Water supply, sanitary services, and other utilities	349	218	131	6	324	258	54	12	56	59	42
Wholesale and retail trade	150 088	129 872	19 561	1 722	141 531	66 841	42 494	32 196	16 606	45 986	49 217
Wholesale trade	15 726	13 668	2 022	220	15 234	9 251	3 824	2 159	1 795	3 838	3 545
Food and farm products	2 536	2 122	400	51	2 454	1 287	757	410	305	695	527
Retail trade	134 362	116 204	17 539	1 502	126 297	57 590	38 670	30 037	14 811	42 148	45 672
Hardware, farm equipment, and building material retailing	1 696	1 613	83	—	1 640	726	551	363	162	530	474
General merchandise stores	36 863	31 998	4 800	254	35 475	17 532	9 678	8 265	4 547	13 684	12 644
Food stores	17 526	15 641	1 839	201	16 711	8 428	5 109	3 174	1 890	4 501	4 605
Motor vehicles and accessories retailing	3 058	2 914	138	5	2 965	1 799	669	497	307	816	643
Gasoline service stations	606	493	113	—	584	323	152	109	25	103	129
Apparel and accessories stores	12 345	10 822	1 489	127	11 813	4 990	3 850	2 973	1 489	3 421	3 569
Furniture, home furnishings, and equipment stores	4 284	3 811	459	44	4 134	2 084	1 282	768	388	947	986
Eating and drinking places	34 093	28 866	4 819	549	31 360	11 693	10 843	8 824	3 442	11 227	13 721
Drugs	5 560	4 862	681	44	5 279	2 318	1 625	1 336	594	1 888	1 607
Other retail trade	18 331	15 184	3 118	278	16 336	7 697	4 911	3 728	1 967	5 031	7 294
Finance, insurance, and real estate	40 998	35 426	5 449	421	39 623	24 167	9 349	6 107	4 745	10 358	7 353
Banking and credit agencies	17 948	15 654	2 245	192	17 532	11 115	3 839	2 578	2 152	4 610	3 113
Insurance	13 223	11 322	1 875	133	12 813	8 011	2 942	1 860	1 716	3 582	2 261
Other finance and real estate	9 827	8 450	1 329	96	9 278	5 041	2 568	1 669	877	2 166	1 979
Business and repair services	17 506	14 948	2 509	190	16 527	7 867	4 911	3 749	1 800	5 028	6 059
Advertising	2 151	2 049	91	8	2 093	1 361	458	274	321	666	415
Commercial research, management, and programing services	2 681	2 404	271	36	2 522	1 158	717	647	155	523	710
Automobile services	1 253	1 101	152	22	1 212	636	365	211	79	299	273
Other business and repair services	11 421	9 394	1 995	124	10 700	4 712	3 371	2 617	1 245	3 540	4 661
Personal services	42 309	24 371	17 644	392	39 105	16 714	13 681	8 710	5 153	13 756	12 319
Private households	13 693	5 940	7 675	121	12 675	4 571	4 453	3 651	1 962	4 877	4 161
Hotels and lodging places	4 951	3 191	1 742	69	4 543	2 089	1 538	916	524	1 690	1 845
Laundering, cleaning, and other garment services	8 765	4 666	4 050	73	8 212	4 036	2 659	1 517	1 021	2 643	2 348
Barber and beauty shops	8 315	7 117	1 154	103	7 894	3 521	2 955	1 418	963	3 183	1 741
Other personal services	6 585	3 457	3 023	26	5 781	2 497	2 076	1 208	683	1 363	2 224
Entertainment and recreation services	5 151	4 686	455	68	4 799	1 597	1 806	1 396	500	1 552	2 191
Professional and related services	168 121	128 368	38 426	1 590	161 521	63 635	68 751	29 135	11 428	31 518	33 192
Health services	70 000	48 349	20 783	683	67 470	37 000	19 629	10 841	4 760	13 340	12 464
Educational services, government ¹	50 226	41 384	8 621	397	48 774	8 365	30 482	9 727	3 612	9 577	10 290
Educational services, private	18 288	15 795	2 397	174	17 663	3 732	10 115	3 816	972	3 074	3 622
Welfare, religious, and nonprofit membership organizations	10 678	8 118	2 508	132	10 394	5 687	3 016	1 691	686	2 066	2 211
Other professional and related services	18 929	14 722	4 117	204	17 220	8 851	5 309	3 060	1 593	3 461	4 605
Public administration ¹	22 491	13 307	9 065	206	21 708	14 220	4 902	2 586	1 686	4 053	5 057
Postal service	5 045	2 459	2 537	25	4 901	2 942	1 411	548	135	763	1 240
Federal public administration	6 229	3 404	2 800	85	6 008	4 397	1 061	550	722	1 336	1 070
State and local public administration	10 136	7 012	3 093	90	9 870	6 362	2 175	1 333	720	1 744	2 314
Unemployed persons, last worked 1959 or earlier ²	1 588	1 100	478	24	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately. ²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

FLINT SMSA

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Males, 16 years old and over	122 005	108 525	13 176	1 658	120 453	80 384	31 975	8 094	2 551	7 210	8 570
Agriculture, forestry, and fisheries	1 995	1 949	46	148	1 952	1 360	326	266	131	216	494
Agriculture	1 972	1 926	46	148	1 929	1 351	317	261	131	216	484
Forestry and fisheries	23	23	—	—	23	9	9	5	—	—	10
Mining	199	199	—	9	195	103	71	21	—	16	33
Construction	7 512	7 029	469	106	7 393	3 807	3 054	532	145	327	626
Manufacturing	70 409	59 941	10 326	1 026	69 810	48 446	18 330	3 034	1 681	4 867	3 102
Durable goods	67 172	56 845	10 185	956	66 619	46 014	17 835	2 770	1 608	4 693	2 839
Logging	10	10	—	—	10	4	6	—	—	—	—
Sawmills, planing mills, and millwork	58	58	—	—	58	28	20	10	—	10	—
Miscellaneous wood products	59	54	5	11	59	42	12	5	—	—	6
Furniture and fixtures	83	68	15	6	83	39	44	—	—	21	11
Stone, clay, and glass products	318	272	46	9	309	210	82	17	—	30	17
Cement, concrete, gypsum, and plaster products	224	189	35	9	220	158	49	13	—	27	17
Primary iron and steel industries	570	464	106	21	567	444	112	11	19	50	37
Primary nonferrous industries	23	23	—	—	23	15	8	—	4	16	6
Fabricated metal industries, including not specified metal	2 524	2 316	208	34	2 516	1 796	629	91	31	76	97
Machinery, except electrical	1 517	1 492	25	11	1 498	1 132	322	44	31	98	72
Office, accounting, and computing machines	109	109	—	—	109	95	14	—	—	—	—
Electrical machinery, equipment, and supplies	929	848	70	7	929	765	139	25	3	50	29
Radio, television, and communication equipment	30	30	—	—	30	30	—	—	—	—	—
Motor vehicles and motor vehicle equipment	56 436	47 561	8 767	771	56 080	38 680	15 249	2 151	1 406	4 101	2 209
Aircraft and parts	60	60	—	—	60	22	38	—	5	—	14
Other transportation equipment	647	641	—	—	632	378	161	93	16	17	57
Professional and photographic equipment, and watches	32	32	—	—	32	22	—	10	—	—	11
Ordinance	22	22	—	—	22	17	5	—	—	—	3
Miscellaneous manufactures and durable goods—allocated	3 884	2 924	943	86	3 741	2 420	1 008	313	93	224	270
Nondurable goods	3 077	2 953	124	70	3 031	2 328	463	240	64	159	249
Meat products	113	106	7	24	106	80	20	6	—	14	10
Canning and preserving produce, seafoods, and beverages	285	260	25	11	278	173	44	61	8	5	47
Bakery products	87	87	—	—	87	66	16	5	—	—	6
Other food industries	284	280	4	5	279	211	56	12	6	4	19
Yarn, thread, and fabric mills	41	41	—	—	41	19	22	—	—	5	17
Other textile mill products	124	118	6	3	119	76	43	—	—	16	6
Apparel and other fabricated textile products	133	133	—	—	133	106	21	6	5	—	4
Paper and allied products	226	219	7	7	226	171	25	30	—	6	26
Printing, publishing, and allied industries	698	694	4	—	692	548	88	56	10	59	68
Chemicals and allied products	688	652	36	9	688	613	59	16	12	17	27
Petroleum and coal products	18	18	—	—	18	—	12	6	—	—	—
Rubber and miscellaneous plastic products	90	90	—	—	90	66	16	8	—	6	6
Footwear, except rubber	6	6	—	—	—	—	—	—	—	—	—
Other nondurable goods	284	249	35	11	274	199	41	34	23	27	13
Not specified manufacturing industries	160	143	17	—	160	104	32	24	9	15	14
Transportation, communications, and other public utilities ¹	4 744	4 492	238	26	4 683	3 072	1 388	223	86	210	204
Railroads and railway express service	510	489	21	—	510	361	123	26	46	46	30
Street railways and bus lines	127	107	16	—	127	79	35	13	—	—	17
Trucking service and warehousing	1 757	1 697	54	6	1 747	1 064	615	68	14	72	50
Water transportation	11	11	—	—	11	6	5	—	8	6	5
Air transportation	83	83	—	—	65	49	16	—	—	—	11
All other transportation	104	85	19	—	104	59	27	18	6	6	—
Communications	768	746	22	—	765	585	152	28	—	35	11
Electric and gas utilities	757	723	34	12	757	447	264	46	—	22	28
Water supply, sanitary services, and other utilities	362	349	13	8	353	283	56	14	12	5	42
Wholesale and retail trade	17 679	16 835	788	150	17 211	11 156	3 602	2 453	246	730	2 305
Wholesale trade	4 349	4 127	222	32	4 318	3 478	637	203	51	155	169
Food and farm products	745	710	35	13	735	582	90	63	13	39	55
Retail trade	13 330	12 708	566	118	12 893	7 678	2 965	2 250	195	575	2 136
Hardware, farm equipment, and building material retailing	928	928	—	—	923	682	174	67	16	39	66
General merchandise stores	1 166	1 086	80	—	1 133	707	212	143	—	50	141
Food stores	2 533	2 443	90	22	2 456	1 394	579	45	101	42	425
Motor vehicles and accessories retailing	2 012	1 913	90	16	1 982	1 439	378	165	29	63	137
Gasoline service stations	1 663	1 619	44	29	1 569	684	500	385	15	46	306
Apparel and accessories stores	916	893	23	13	909	665	208	36	10	38	94
Furniture, home furnishings, and equipment stores	1 664	1 527	97	31	1 535	662	355	518	15	119	470
Eating and drinking places	404	377	20	—	400	224	99	77	9	15	46
Drugstores	1 529	1 435	94	7	1 492	931	306	255	29	64	348
Other retail trade	—	—	—	—	—	—	—	—	—	—	—
Finance, insurance, and real estate	2 500	2 441	59	12	2 484	1 913	450	121	59	147	124
Banking and credit agencies	673	665	8	—	673	575	73	25	12	42	27
Insurance	905	879	26	—	905	731	141	33	10	19	25
Other finance and real estate	922	897	25	12	906	607	236	63	37	86	74
Business and repair services	2 270	2 098	167	17	2 215	1 343	621	251	17	86	230
Advertising	67	67	—	—	67	58	4	5	—	—	21
Commercial research, management, and programing services	202	198	4	—	180	115	50	15	—	—	5
Automobile services	890	811	79	—	880	451	291	138	17	37	84
Other business and repair services	1 111	1 022	84	17	1 088	719	276	93	—	49	120
Personal services	1 435	1 252	177	14	1 417	842	416	159	44	120	190
Private households	74	56	18	—	74	17	15	42	3	8	46
Hotels and lodging places	223	187	36	—	210	119	67	24	18	24	46
Laundering, cleaning, and other garment services	370	303	61	6	370	237	89	44	5	44	40
Barber and beauty shops	510	470	40	8	510	308	180	22	18	27	33
Other personal services	258	236	22	—	253	161	65	27	—	17	25
Entertainment and recreation services	554	507	47	8	533	247	177	109	4	56	281
Professional and related services	9 534	8 819	648	142	9 414	5 492	3 164	758	71	308	654
Health services	2 264	2 018	189	42	2 247	1 563	460	224	46	113	134
Educational services, government	3 401	3 164	233	42	3 354	1 469	1 676	209	17	114	249
Educational services, private	1 489	1 395	94	9	1 486	784	574	128	8	36	74
Welfare, religious, and nonprofit membership organizations	1 071	985	86	34	1 052	753	188	111	—	25	107
Other professional and related services	1 309	1 257	46	15	1 275	923	266	86	—	20	90
Public administration ¹	3 159	2 957	202	—	3 146	2 603	376	167	67	127	325
Postal service	559	476	83	—	554	472	49	33	26	21	42
Federal public administration	300	284	16	—	300	232	44	24	13	64	95
State and local public administration	2 214	2 143	71	—	2 206	1 813	283	110	28	42	147
Unemployed persons, last worked 1959 or earlier ²	15	6	9	—	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

FLINT SMSA—Continued

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Female, 16 years old and over	63 464	54 824	8 441	523	60 018	26 173	21 512	12 333	6 291	17 258	16 742
Agriculture, forestry, and fisheries	292	272	20	18	245	146	59	40	42	96	213
Agriculture	292	272	20	18	245	146	59	40	42	96	207
Forestry and fisheries	—	—	—	—	—	—	—	—	—	—	6
Mining	14	14	—	—	14	14	—	—	6	5	—
Construction	417	386	31	—	391	187	143	61	59	109	128
Manufacturing	13 718	11 530	2 144	125	13 236	7 083	4 653	1 500	1 288	3 379	2 414
Durable goods	12 003	9 917	2 047	102	11 633	6 284	4 168	1 181	987	2 522	1 621
Lumber and wood products	—	—	—	—	—	—	—	—	—	—	—
Sawmills, planing mills, and millwork	11	5	6	—	11	—	—	11	—	3	3
Miscellaneous wood products	—	—	—	—	—	—	—	—	5	4	—
Furniture and fixtures	23	23	—	—	18	13	5	—	4	24	6
Stone, clay, and glass products	85	80	5	—	78	32	41	5	5	33	39
Cement, concrete, gypsum, and plaster products	29	29	—	—	29	10	19	—	5	4	4
Primary iron and steel industries	19	19	—	—	19	15	—	4	12	13	17
Primary nonferrous industries	—	—	—	—	—	—	—	—	4	15	—
Fabricated metal industries, including not specified metal	726	644	76	—	708	399	195	114	94	258	124
Machinery, except electrical	241	236	5	6	227	109	81	37	16	94	74
Office, accounting, and computing machines	33	33	—	—	28	5	12	11	—	10	14
Electrical machinery, equipment, and supplies	799	689	104	8	771	442	255	74	58	166	99
Radio, television, and communication equipment	9	—	9	—	—	—	—	—	4	17	15
Motor vehicles and motor vehicle equipment	9 154	7 433	1 706	88	8 973	4 843	3 333	797	663	1 632	986
Aircraft and parts	4	4	—	—	—	—	—	—	5	—	15
Other transportation equipment	193	193	—	—	175	94	52	29	6	85	40
Professional and photographic equipment, and watches	18	18	—	—	13	6	7	—	6	10	6
Ordnance	3	3	—	—	3	—	—	—	—	12	5
Miscellaneous manufactures and durable goods—allocated	727	570	145	—	633	324	199	110	109	173	207
Nondurable goods	1 667	1 568	94	15	1 555	779	462	314	289	844	758
Meat products	32	32	—	—	32	10	13	9	6	16	27
Canning and preserving produce, seafoods, and beverages	165	136	29	6	165	88	35	42	30	94	151
Bakery products	24	15	9	—	24	10	—	14	14	22	16
Other food industries	47	47	—	—	42	19	16	7	15	58	29
Yarn, thread, and fabric mills	18	18	—	—	13	6	—	7	14	26	18
Other textile mill products	17	17	—	—	17	10	7	—	15	18	23
Apparel and other fabricated textile products	381	377	4	9	357	155	155	47	36	173	116
Paper and allied products	161	133	28	—	155	87	39	29	16	74	38
Printing, publishing, and allied industries	378	369	9	—	352	202	101	49	55	144	106
Chemicals and allied products	100	96	4	—	89	65	5	19	19	52	22
Petroleum and coal products	—	—	—	—	—	—	—	—	—	—	6
Rubber and miscellaneous plastic products	206	206	—	—	196	66	77	53	36	100	77
Footwear, except rubber	5	5	—	—	5	—	—	5	11	15	4
Other nondurable goods	133	117	11	—	108	61	14	33	22	52	125
Not specified manufacturing industries	48	45	3	8	48	20	23	5	12	13	35
Transportation, communications, and other public utilities ¹	1 921	1 727	194	25	1 864	900	661	303	200	457	341
Railroads and railway express service	26	26	—	—	26	17	9	—	—	6	5
Street railways and bus lines	475	442	33	—	475	27	316	132	5	40	65
Trucking service and warehousing	237	206	31	4	226	139	50	37	26	42	51
Water transportation	4	4	—	—	4	—	4	—	—	13	—
Air transportation	25	25	—	—	25	16	4	5	—	16	5
All other transportation	59	46	13	8	59	39	20	—	—	10	15
Communications	820	718	102	7	806	495	204	107	121	266	128
Electric and gas utilities	141	135	6	6	136	105	22	9	17	49	16
Water supply, sanitary services, and other utilities	39	39	—	—	39	30	—	9	5	5	9
Wholesale and retail trade	15 607	14 211	1 336	142	14 512	5 912	4 645	3 955	2 194	5 775	6 017
Wholesale trade	1 419	1 350	63	19	1 369	789	352	228	161	287	302
Food and farm products	227	211	16	7	221	109	69	43	15	70	56
Retail trade	14 188	12 861	1 273	123	13 143	5 123	4 293	3 727	2 033	5 488	5 715
Hardware, farm equipment, and building material retailing	365	348	17	—	361	176	123	62	61	47	73
General merchandise stores	3 446	3 089	347	33	3 252	1 422	1 036	794	402	1 401	1 278
Food stores	1 673	1 582	91	12	1 569	639	530	400	141	591	574
Motor vehicles and accessories retailing	316	311	5	5	313	188	87	38	39	87	81
Gasoline service stations	171	159	12	—	162	66	63	33	—	46	44
Apparel and accessories stores	1 462	1 333	123	—	1 400	476	513	411	241	495	517
Furniture, home furnishings, and equipment stores	482	440	42	12	444	212	145	87	72	119	153
Eating and drinking places	3 552	3 157	366	54	3 192	1 007	1 029	1 156	561	1 938	1 949
Drugstores	812	783	29	—	765	280	229	256	133	244	276
Other retail trade	1 909	1 659	241	—	1 685	657	538	490	183	520	770
Finance, insurance, and real estate	2 954	2 766	183	24	2 831	1 724	720	387	296	843	563
Banking and credit agencies	1 514	1 399	110	12	1 456	988	307	161	185	360	218
Insurance	692	682	10	8	675	433	175	67	83	254	144
Other finance and real estate	748	685	63	4	700	303	238	159	28	229	201
Business and repair services	1 186	1 023	154	—	1 067	450	276	341	96	297	564
Advertising	60	60	—	—	54	33	11	10	10	18	30
Commercial research, management, and programing services	246	224	22	—	225	70	42	113	10	16	53
Automobile services	110	99	11	—	100	47	40	13	4	15	25
Other business and repair services	770	640	121	—	688	300	183	205	72	248	456
Personal services	4 411	3 510	893	33	4 048	1 617	1 353	1 078	484	1 729	1 484
Private households	1 538	1 083	450	4	1 372	409	409	554	207	676	579
Hotels and lodging places	475	403	72	—	423	211	113	99	37	170	184
Laundry, cleaning, and other garment services	830	627	203	18	783	316	289	178	90	349	282
Barber and beauty shops	1 001	956	42	—	957	460	382	115	83	375	215
Other personal services	567	441	126	11	513	221	160	132	67	159	224
Entertainment and recreation services	568	479	89	—	526	114	242	170	46	171	291
Professional and related services	20 389	17 267	3 049	147	19 498	7 020	8 290	4 188	1 381	3 947	4 220
Health services	9 217	7 369	1 805	71	8 847	4 571	2 549	1 727	748	1 860	1 780
Educational services, government	5 984	5 362	610	22	5 815	1 007	3 534	1 274	307	1 056	1 225
Educational services, private	2 607	2 293	302	14	2 484	401	1 459	624	114	403	415
Welfare, religious, and nonprofit membership organizations	1 000	925	75	20	945	418	267	260	60	245	292
Other professional and related services	1 581	1 318	257	20	1 407	623	481	303	152	383	508
Public administration ¹	1 852	1 539	313	9	1 786	1 006	470	310	199	450	507
Postal service	595	459	136	9	586	357	140	89	12	105	52
Federal public administration	153	143	10	—	127	70	30	27	73	89	44
State and local public administration	1 054	909	145	—	1 031	556	290	185	88	236	364
Unemployed persons, last worked 1959 or earlier ²	135	100	35	—	—	—	—	—	—	—	—

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued**

(Data based on sample, see text). For meaning of symbols, see text)

**The State
Standard Metropolitan Statistical
Areas of 250,000 or More**

GRAND RAPIDS SMSA

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Male, 16 years old and over	134 289	129 486	4 357	1 641	133 040	95 109	28 038	9 893	2 733	5 828	11 793
Agriculture, forestry, and fisheries.....	3 507	3 487	3	85	3 448	2 356	552	540	121	362	1 317
Agriculture.....	3 460	3 440	3	85	3 401	2 327	544	530	114	362	1 263
Forestry and fisheries.....	47	47	-	-	47	29	8	10	7	-	54
Mining	229	229	-	-	223	143	70	10	4	-	13
Construction	11 283	10 926	323	54	11 236	6 858	3 580	798	214	480	1 201
Manufacturing	53 647	51 219	2 247	1 079	53 289	40 471	10 381	2 437	1 126	2 410	3 556
Durable goods.....	42 858	40 847	1 881	785	42 571	32 132	8 610	1 829	911	1 996	2 550
Logging.....	21	21	-	-	21	17	4	-	-	5	-
Sawmills, planing mills, and millwork.....	594	554	31	12	584	426	113	45	8	74	34
Miscellaneous wood products.....	361	345	16	-	361	265	68	28	8	5	41
Furniture and fixtures.....	7 363	7 080	245	197	7 336	5 762	1 227	347	249	398	484
Stone, clay, and glass products.....	897	877	20	18	892	704	166	22	25	34	79
Cement, concrete, gypsum, and plaster products.....	587	567	20	-	582	454	112	16	8	29	38
Primary iron and steel industries.....	1 013	847	166	57	997	692	253	52	24	33	96
Primary nonferrous industries.....	2 004	1 787	205	58	1 982	1 450	429	103	40	112	96
Fabricated metal industries, including not specified metal.....	8 395	7 966	406	147	8 330	6 101	1 892	337	102	299	513
Machinery, except electrical.....	8 030	7 934	90	68	7 980	6 311	1 391	278	136	243	327
Office, accounting, and computing machines.....	417	410	7	6	417	374	43	-	12	10	10
Electrical machinery, equipment, and supplies.....	3 334	3 224	105	66	3 320	2 250	888	182	151	277	259
Radio, television, and communication equipment.....	275	275	-	6	275	252	23	-	-	4	11
Motor vehicles and motor vehicle equipment.....	5 135	4 769	350	111	5 103	3 830	1 130	143	62	297	262
Aircraft and parts.....	695	674	13	17	690	539	138	13	-	32	39
Other transportation equipment.....	626	620	6	7	626	469	151	6	10	26	41
Professional and photographic equipment, and watches.....	1 474	1 456	18	-	1 474	1 261	161	52	6	33	26
Ordnance.....	11	11	-	-	11	-	-	-	-	-	-
Miscellaneous manufactures and durable goods—allocated.....	2 905	2 682	210	27	2 864	2 044	599	221	90	128	249
Nondurable goods	10 447	10 030	366	294	10 380	8 087	1 706	587	210	391	969
Meat products.....	290	276	7	11	285	207	57	21	-	8	33
Canning and preserving produce, seafoods, and beverages.....	601	584	7	114	601	437	121	43	22	29	97
Bakery products.....	898	816	74	92	894	655	151	88	-	27	70
Other food industries.....	625	615	6	12	625	526	72	27	21	13	48
Yarn, thread, and fabric mills.....	87	76	11	6	87	70	13	4	5	-	22
Other textile mill products.....	394	382	12	-	394	288	74	32	10	18	13
Apparel and other fabricated textile products.....	545	511	34	14	545	396	132	17	-	-	35
Paper and allied products.....	1 199	1 160	32	9	1 192	966	185	41	33	57	99
Printing, publishing, and allied industries.....	2 258	2 230	22	9	2 233	1 740	395	98	52	119	231
Chemicals and allied products.....	1 665	1 627	34	20	1 656	1 406	186	64	20	22	81
Petroleum and coal products.....	60	60	-	-	60	60	-	-	-	4	-
Rubber and miscellaneous plastic products.....	621	563	58	-	614	453	93	68	10	22	60
Footwear, except rubber.....	460	448	7	-	455	375	68	12	23	33	21
Other nondurable goods.....	744	682	62	7	739	508	159	72	14	39	159
Not specified manufacturing industries.....	342	342	-	-	338	252	65	21	5	23	37
Transportation, communications, and other public utilities¹	8 665	8 387	253	44	8 625	6 599	1 718	308	303	503	344
Railroads and railway express service.....	1 366	1 295	53	5	1 360	1 104	230	26	103	179	54
Street railways and bus lines.....	378	360	18	-	378	239	117	22	5	20	20
Trucking service and warehousing.....	3 285	3 239	46	7	3 270	2 408	745	117	72	103	145
Water transportation.....	79	75	4	-	79	47	23	9	-	11	28
Air transportation.....	188	188	-	-	188	156	25	7	5	4	20
All other transportation.....	169	150	19	-	164	123	33	8	-	22	5
Communications.....	1 294	1 263	31	16	1 288	1 113	137	38	32	36	33
Electric and gas utilities.....	1 188	1 139	42	16	1 184	901	252	31	42	75	23
Water supply, sanitary services, and other utilities.....	407	402	5	-	407	328	49	30	18	39	21
Wholesale and retail trade	28 204	27 596	543	206	27 858	19 105	5 497	3 256	402	988	2 778
Wholesale trade.....	9 427	9 275	143	90	9 396	7 473	1 449	474	106	339	493
Food and farm products.....	2 421	2 387	34	43	2 402	1 885	335	182	25	88	197
Retail trade.....	18 777	18 321	400	116	18 462	11 632	4 048	2 782	296	649	2 285
Hardware, farm equipment, and building material retailing.....	1 182	1 182	-	14	1 176	906	196	74	24	50	86
General merchandise stores.....	1 959	1 916	43	21	1 936	1 322	449	165	16	52	230
Food stores.....	3 969	3 864	99	29	3 924	2 376	797	751	53	111	390
Motor vehicles and accessories retailing.....	2 149	2 087	44	-	2 144	1 712	266	166	63	72	97
Gasoline service stations.....	1 793	1 772	21	7	1 728	895	565	268	11	54	247
Apparel and accessories stores.....	804	787	17	-	797	547	136	114	15	40	131
Furniture, home furnishings, and equipment stores.....	1 210	1 197	13	-	1 204	910	199	95	23	59	75
Eating and drinking places.....	2 636	2 556	59	38	2 531	944	820	767	15	90	593
Drugstores.....	461	455	-	7	461	303	91	67	21	13	37
Other retail trade.....	2 614	2 505	104	-	2 561	1 717	529	315	55	108	393
Finance, insurance, and real estate	4 472	4 449	17	25	4 441	3 673	597	171	73	155	220
Banking and credit agencies.....	966	961	5	7	957	891	42	24	19	68	78
Insurance.....	2 108	2 096	12	18	2 101	1 790	282	29	22	55	46
Other finance and real estate.....	1 398	1 392	-	-	1 383	992	273	118	32	32	96
Business and repair services	4 582	4 354	167	33	4 462	2 957	910	595	42	115	453
Advertising.....	247	247	-	-	247	217	16	14	5	-	24
Commercial research, management, and programing services.....	375	363	5	-	371	296	44	31	-	-	15
Automobile services.....	1 545	1 447	50	26	1 478	884	345	249	26	45	157
Other business and repair services.....	2 415	2 297	112	7	2 366	1 560	505	301	11	70	257
Personal services	2 190	2 062	123	7	2 160	1 422	466	272	90	161	370
Private households.....	134	134	-	-	134	38	40	56	10	31	104
Hotels and lodging places.....	604	553	51	7	587	307	158	122	26	72	181
Laundering, cleaning, and other gorment services.....	591	540	46	-	582	448	92	42	15	36	46
Barber and beauty shops.....	475	467	8	-	475	361	101	13	8	9	5
Other personal services.....	386	368	18	-	382	268	75	39	31	13	34
Entertainment and recreation services	733	673	55	-	714	350	253	111	17	36	199
Professional and related services	12 562	12 038	483	83	12 467	7 571	3 635	1 261	213	393	917
Health services.....	2 838	2 624	182	19	2 804	1 858	674	272	70	100	120
Educational services, government.....	3 422	3 263	154	19	3 392	1 679	1 394	319	26	90	266
Educational services, private.....	2 454	2 427	27	24	2 436	1 167	948	321	17	49	193
Welfare, religious, and nonprofit membership organizations.....	1 747	1 660	87	5	1 738	1 267	274	177	42	84	178
Other professional and related services.....	2 101	2 064	33	16	2 097	1 580	345	172	58	70	160
Public administration¹	4 150	4 011	133	25	4 117	3 604	378	134	128	225	405
Postal service.....	1 297	1 254	43	8	1 290	1 154	98	38	20	49	73
Federal public administration.....	534	515	19	14	520	434	73	13	26	50	142
State and local public administration.....	2 230	2 153	71	3	2 218	1 943	203	72	56	126	179
Unemployed persons, last worked 1959 or earlier²	65	55	10	-	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

GRAND RAPIDS SMSA—Continued

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Female, 16 years old and over	81 337	77 484	3 494	959	78 384	36 162	26 506	15 716	7 051	17 990	21 355
Agriculture, forestry, and fisheries	604	568	23	78	545	144	161	240	63	137	645
Agriculture	604	568	23	78	545	144	161	240	52	131	645
Forestry and fisheries	—	—	—	—	—	—	—	—	11	6	—
Mining	9	9	—	—	9	9	—	—	—	4	5
Construction	659	650	9	20	640	431	104	105	27	97	189
Manufacturing	20 065	19 020	901	413	19 543	10 102	6 519	2 922	1 663	4 818	4 418
Durable goods	13 605	12 830	673	241	13 275	6 660	4 643	1 972	1 097	3 053	2 612
Logging	—	—	—	—	—	—	—	—	—	—	—
Sawmills, planing mills, and millwork	109	104	5	—	109	56	44	9	16	46	37
Miscellaneous wood products	193	189	—	6	185	104	56	25	26	26	64
Furniture and fixtures	2 027	1 899	122	73	1 980	1 110	609	261	149	360	438
Stone, clay, and glass products	182	179	3	13	182	76	73	33	21	38	51
Cement, concrete, gypsum, and plaster products	11	11	—	—	11	11	—	—	—	—	—
Primary iron and steel industries	114	114	—	6	114	52	45	17	17	11	21
Primary nonferrous industries	385	339	46	7	382	210	127	45	5	83	116
Fabricated metal industries, including not specified metal	3 290	3 107	165	33	3 213	1 599	1 133	481	227	817	676
Machinery, except electrical	1 441	1 409	23	6	1 417	810	437	170	92	255	188
Office, accounting, and computing machines	281	271	4	—	281	172	80	29	9	51	32
Electrical machinery, equipment, and supplies	1 768	1 719	34	45	1 736	691	720	325	145	507	407
Radio, television, and communication equipment	221	221	—	7	221	130	64	27	27	137	71
Motor vehicles and motor vehicle equipment	1 974	1 810	152	15	1 952	898	759	295	96	482	211
Aircraft and parts	204	193	4	—	199	115	67	17	60	58	19
Other transportation equipment	155	155	—	—	146	85	45	16	17	31	28
Professional and photographic equipment, and watches	759	730	19	9	747	454	226	67	81	100	58
Ordinance	5	5	—	—	5	5	—	—	4	—	—
Miscellaneous manufactures and durable goods—allocated	999	878	100	28	908	395	302	211	141	239	298
Nondurable goods	6 340	6 075	228	163	6 148	3 393	1 815	940	528	1 712	1 777
Meat products	128	124	—	6	125	93	12	20	5	41	22
Canning and preserving produce, seafoods, and beverages	240	233	—	66	235	120	65	50	39	99	123
Bakery products	543	530	13	24	526	284	183	59	31	145	162
Other food industries	244	244	—	12	244	122	86	36	28	72	93
Yarn, thread, and fabric mills	60	60	—	—	60	29	16	15	—	4	5
Other textile mill products	219	210	9	—	214	143	61	10	10	72	83
Apparel and other fabricated textile products	873	769	93	6	850	421	345	84	55	260	167
Paper and allied products	481	477	4	—	467	291	110	66	39	151	79
Printing, publishing, and allied industries	1 400	1 367	27	—	1 370	721	395	254	133	238	303
Chemicals and allied products	788	777	11	25	765	438	211	116	62	175	237
Petroleum and coal products	6	6	—	—	6	6	—	—	—	3	—
Rubber and miscellaneous plastic products	444	407	33	11	435	227	129	79	27	115	157
Footwear, except rubber	488	488	—	6	483	294	106	83	60	182	149
Other nondurable goods	426	383	38	7	368	204	96	68	39	155	197
Not specified manufacturing industries	120	115	—	9	120	49	61	10	38	53	29
Transportation, communications, and other public utilities ¹	2 644	2 545	115	—	2 630	1 565	706	359	348	540	447
Railroads and railway express service	83	81	2	—	83	49	23	11	5	20	4
Street railways and bus lines	401	401	—	—	396	56	246	94	10	28	40
Trucking service and warehousing	545	533	12	—	545	375	130	40	63	97	89
Water transportation	—	—	—	—	—	—	—	—	6	5	10
Air transportation	37	37	—	—	37	33	4	—	—	21	—
All other transportation	83	83	—	—	79	39	15	25	—	18	—
Communications	1 144	1 055	85	—	1 119	748	222	149	211	254	258
Electric and gas utilities	250	234	16	—	250	206	26	18	29	46	12
Water supply, sanitary services, and other utilities	38	38	—	—	38	10	24	4	10	9	9
Wholesale and retail trade	20 553	20 079	407	185	19 569	8 261	6 369	4 939	1 702	5 030	6 821
Wholesale trade	2 738	2 709	19	53	2 617	1 439	718	460	251	679	661
Food and farm products	848	848	—	6	809	383	262	164	96	238	236
Retail trade	17 815	17 370	388	132	16 952	6 822	5 651	4 479	1 451	4 351	6 160
Hardware, farm equipment, and building material retailing	289	289	—	13	276	168	64	44	26	75	63
General merchandise stores	4 929	4 775	126	18	4 786	2 175	1 446	1 165	478	1 402	1 505
Food stores	2 702	2 654	48	19	2 614	1 230	793	591	229	579	834
Motor vehicles and accessories retailing	325	319	6	—	306	129	123	54	24	66	57
Gasoline service stations	93	93	—	—	84	56	—	28	—	4	19
Apparel and accessories stores	1 414	1 360	54	9	1 363	539	528	296	105	345	443
Furniture, home furnishings, and equipment stores	480	470	10	—	476	221	196	59	70	129	148
Eating and drinking places	4 597	4 474	94	39	4 264	1 121	1 548	1 595	287	1 014	1 786
Drugstores	697	691	6	6	659	283	260	116	58	182	218
Other retail trade	2 289	2 245	44	28	2 124	900	693	531	174	555	1 087
Finance, insurance, and real estate	4 576	4 477	99	54	4 484	2 922	987	575	693	1 258	815
Banking and credit agencies	1 972	1 928	44	42	1 942	1 319	417	206	371	610	313
Insurance	1 661	1 651	10	12	1 647	1 045	357	245	206	456	253
Other finance and real estate	943	898	45	—	895	558	213	124	116	192	249
Business and repair services	1 828	1 744	59	22	1 763	827	534	402	135	461	698
Advertising	166	162	—	—	166	105	23	38	14	18	34
Commercial research, management, and programming services	226	226	—	—	216	68	65	83	6	49	76
Automobile services	151	139	6	7	151	72	59	20	5	44	38
Other business and repair services	1 285	1 217	53	15	1 230	582	387	261	110	350	550
Personal services	5 551	4 927	605	45	5 193	2 125	1 722	1 346	522	1 174	1 744
Private households	1 655	1 461	175	11	1 524	380	526	178	159	394	613
Hotels and lodging places	862	731	131	9	783	345	219	219	87	213	337
Laundering, cleaning, and other garment services	1 076	879	197	8	1 027	502	314	211	89	201	352
Barber and beauty shops	1 220	1 187	33	8	1 196	632	421	143	127	247	188
Other personal services	738	669	69	9	663	266	242	155	60	119	254
Entertainment and recreation services	623	607	16	7	608	140	248	220	10	142	327
Professional and related services	22 718	21 469	1 176	109	22 046	8 807	8 846	4 393	1 718	4 013	4 811
Health services	9 216	8 656	527	51	9 031	4 789	2 520	1 722	804	1 741	1 907
Educational services, government	5 995	5 648	325	9	5 808	1 223	3 306	1 279	395	1 211	1 310
Educational services, private	3 636	3 530	93	35	3 549	767	2 048	734	212	480	664
Welfare, religious, and nonprofit membership organizations	1 718	1 591	122	8	1 685	959	435	291	118	301	300
Other professional and related services	2 153	2 044	109	6	1 973	1 069	537	367	189	280	630
Public administration ¹	1 383	1 289	80	26	1 354	829	310	215	170	316	435
Postal service	267	251	16	—	262	153	59	50	18	48	65
Federal public administration	264	231	19	19	244	146	46	52	75	113	101
State and local public administration	830	785	45	7	826	515	198	113	68	155	241
Unemployed persons, last worked 1959 or earlier ²	104	100	4	—	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

LANSING SMSA

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Male, 16 years old and over	96 695	92 956	3 197	1 929	95 767	63 507	22 757	9 503	1 481	4 205	15 587
Agriculture, forestry, and fisheries	3 428	3 405	23	70	3 334	2 330	542	462	185	259	1 182
Agriculture.....	3 407	3 384	23	63	3 313	2 309	542	462	185	251	1 150
Forestry and fisheries.....	21	21	—	7	21	21	—	—	—	8	32
Mining	227	223	4	8	227	158	60	9	7	5	20
Construction	9 133	8 743	328	235	9 060	5 222	3 156	682	121	305	1 343
Manufacturing	32 249	30 586	1 527	938	32 082	23 374	7 053	1 655	611	1 719	3 950
Durable goods.....	29 186	27 617	1 446	894	29 067	21 182	6 549	1 336	567	1 574	3 156
Logging.....	23	23	—	—	19	6	8	5	—	—	8
Sawmills, planing mills, and millwork.....	195	195	—	—	195	123	29	43	—	10	39
Miscellaneous wood products.....	4	4	—	—	4	—	—	—	—	—	9
Furniture and fixtures.....	141	135	6	5	131	49	17	24	4	19	49
Stone, clay, and glass products.....	631	631	—	4	631	499	116	16	22	8	95
Cement, concrete, gypsum, and plaster products.....	148	148	—	—	148	106	37	5	6	—	35
Primary iron and steel industries.....	1 674	1 593	76	21	1 664	1 235	331	98	33	120	248
Primary nonferrous industries.....	358	353	5	—	358	280	68	10	22	6	76
Fabricated metal industries, including not specified metal.....	1 192	1 183	5	21	1 177	749	301	127	32	48	297
Machinery, except electrical.....	2 970	2 946	8	20	2 960	2 237	511	212	61	123	428
Office, accounting, and computing machines.....	90	90	—	—	90	67	—	23	—	5	20
Electrical machinery, equipment, and supplies.....	243	243	—	5	243	186	45	12	16	23	149
Radio, television, and communication equipment.....	83	83	—	—	83	72	11	—	15	22	—
Motor vehicles and motor vehicle equipment.....	19 486	18 308	1 089	754	19 423	14 085	4 729	629	333	1 089	1 343
Aircraft and parts.....	33	33	—	—	33	22	11	—	—	—	21
Other transportation equipment.....	71	63	8	—	71	33	15	23	5	19	19
Professional and photographic equipment, and watches.....	45	45	—	—	38	33	—	5	—	—	5
Ordnance.....	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous manufactures and durable goods—allocated.....	2 120	1 862	249	64	2 120	1 620	368	132	62	104	370
Nondurable goods.....	2 978	2 884	81	44	2 930	2 151	475	304	44	138	767
Meat products.....	66	58	—	8	66	35	5	26	—	9	33
Canning and preserving produce, seafoods, and beverages.....	205	183	22	—	205	131	56	18	5	14	102
Bakery products.....	136	132	4	—	136	117	10	9	—	5	26
Other food industries.....	574	574	—	10	574	470	69	35	5	25	90
Yarn, thread, and fabric mills.....	17	17	—	—	12	12	—	—	—	—	15
Other textile mill products.....	13	13	—	—	13	6	3	4	—	—	16
Apparel and other fabricated textile products.....	54	54	—	—	54	38	11	5	—	—	10
Paper and allied products.....	122	113	9	—	122	91	10	21	—	5	88
Printing, publishing, and allied industries.....	1 108	1 093	15	8	1 098	791	206	101	27	35	125
Chemicals and allied products.....	188	188	—	6	161	130	17	14	7	22	59
Petroleum and coal products.....	56	51	—	—	56	17	22	17	—	—	5
Rubber and miscellaneous plastic products.....	251	242	9	12	245	197	31	17	—	13	88
Footwear, except rubber.....	6	6	—	—	6	6	—	—	—	—	—
Other nondurable goods.....	182	160	22	—	182	110	35	37	—	10	110
Not specified manufacturing industries.....	85	85	—	—	85	41	29	15	—	7	27
Transportation, communications, and other public utilities¹	4 299	4 204	79	32	4 269	3 199	818	252	110	201	555
Railroads and railway express service.....	387	383	4	—	387	316	61	10	20	45	70
Street railways and bus lines.....	183	172	11	—	183	102	60	21	5	—	28
Trucking service and warehousing.....	1 174	1 146	23	9	1 174	785	292	97	13	61	144
Water transportation.....	6	6	—	—	6	—	6	—	—	—	26
Air transportation.....	98	98	—	—	98	81	17	—	5	—	14
All other transportation.....	86	86	—	—	86	57	10	19	—	7	9
Communications.....	858	850	8	6	848	646	145	57	4	16	77
Electric and gas utilities.....	987	966	16	8	981	821	145	15	33	47	91
Water supply, sanitary services, and other utilities.....	351	334	17	4	346	260	61	25	18	15	51
Wholesale and retail trade	16 920	16 520	356	214	16 663	10 057	3 915	2 691	87	662	3 597
Wholesale trade.....	3 725	3 663	47	37	3 704	2 738	631	335	22	131	456
Food and farm products.....	807	801	6	20	802	584	144	74	4	30	138
Retail trade.....	13 195	12 857	309	177	12 959	7 319	3 284	2 356	65	531	3 141
Hardware, farm equipment, and building material retailing.....	831	816	11	12	831	612	165	54	16	42	104
General merchandise stores.....	1 489	1 421	68	18	1 475	877	363	235	5	31	467
Food stores.....	1 952	1 928	24	28	1 905	921	573	411	—	70	541
Motor vehicles and accessories retailing.....	1 640	1 625	15	29	1 626	1 258	215	153	10	42	148
Gasoline service stations.....	1 495	1 477	14	9	1 474	720	452	302	5	57	336
Apparel and accessories stores.....	661	637	24	5	656	331	172	153	5	21	202
Furniture, home furnishings, and equipment stores.....	712	704	8	11	712	511	142	59	—	24	110
Eating and drinking places.....	2 156	2 061	84	25	2 052	749	667	636	14	119	725
Drugstores.....	269	258	11	—	269	164	70	35	5	23	80
Other retail trade.....	1 990	1 930	50	40	1 959	1 176	465	318	5	102	428
Finance, insurance, and real estate	3 323	3 300	14	22	3 311	2 595	528	188	48	104	345
Banking and credit agencies.....	769	769	—	5	769	622	83	64	19	44	83
Insurance.....	1 474	1 462	7	13	1 474	1 228	209	37	15	27	99
Other finance and real estate.....	1 080	1 069	7	4	1 068	745	236	87	14	33	163
Business and repair services	2 312	2 247	56	50	2 260	1 424	573	263	34	99	412
Advertising.....	144	139	5	6	144	86	41	17	—	7	24
Commercial research, management, and programing services.....	211	200	6	10	211	158	35	18	—	9	53
Automobile services.....	628	608	20	—	613	355	178	80	5	28	100
Other business and repair services.....	1 329	1 300	25	34	1 292	825	319	148	29	55	235
Personal services	1 580	1 516	60	29	1 552	848	323	381	32	101	419
Private households.....	162	151	11	—	151	20	46	85	—	7	79
Hotels and lodging places.....	502	476	22	5	492	182	150	160	11	33	208
Laundry, cleaning, and other gorment services.....	307	299	8	17	300	204	44	52	4	17	48
Barber and beauty shops.....	279	279	—	7	279	225	38	16	17	29	10
Other personal services.....	330	311	19	—	330	217	45	68	—	15	74
Entertainment and recreation services	602	588	14	21	584	260	177	147	4	42	400
Professional and related services	16 502	15 676	574	244	16 340	9 039	4 891	2 410	149	466	2 393
Health services.....	1 904	1 833	55	37	1 882	1 133	581	168	31	97	293
Educational services, government.....	9 799	9 230	358	116	9 705	4 752	3 369	1 584	71	232	1 344
Educational services, private.....	1 707	1 626	61	33	1 701	930	506	265	5	59	253
Welfare, religious, and nonprofit membership organizations.....	1 368	1 321	47	12	1 362	1 109	143	110	28	54	172
Other professional and related services.....	1 724	1 666	53	46	1 690	1 115	292	283	14	24	331
Public administration¹	6 109	5 937	162	66	6 085	5 001	721	363	93	242	971
Postal service.....	789	751	31	9	789	648	100	41	8	20	190
Federal public administration.....	688	677	8	4	672	557	77	38	15	80	355
State and local public administration.....	4 468	4 345	123	46	4 460	3 694	522	244	66	127	362
Unemployed persons, last worked 1959 or earlier ²	11	11	—	—	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately. ²See text for explanation.

Table 185. **Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued**

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
LANSING SMSA—Continued											
Female, 16 years old and over	60 409	57 446	2 569	934	58 102	26 079	19 737	12 286	4 572	13 337	20 036
Agriculture, forestry, and fisheries	437	429	8	—	398	222	123	53	27	135	238
Agriculture	431	423	8	—	392	216	123	53	27	120	232
Forestry and fisheries	6	6	—	—	6	6	—	—	—	15	6
Mining	45	45	—	—	45	33	—	12	5	10	4
Construction	746	729	12	—	723	511	146	66	53	153	169
Manufacturing	6 793	6 308	451	133	6 554	3 440	2 200	914	602	1 619	2 074
Durable goods	5 104	4 684	398	105	4 944	2 692	1 658	594	419	1 045	1 326
Logging	—	—	—	—	—	—	—	—	—	—	—
Sawmills, planing mills, and millwork	25	25	—	—	15	5	—	5	—	11	11
Miscellaneous wood products	14	14	—	—	14	8	—	6	—	5	—
Furniture and fixtures	72	72	—	—	51	26	10	15	13	25	23
Stone, clay, and glass products	355	355	—	—	336	195	89	52	41	44	105
Cement, concrete, gypsum, and plaster products	23	23	—	—	23	19	4	—	5	—	10
Primary iron and steel industries	85	77	8	—	85	52	21	12	—	27	21
Primary nonferrous industries	256	256	—	—	250	112	99	39	5	69	52
Fabricated metal industries, including not specified metal	366	366	—	—	357	166	125	66	34	70	141
Machinery, except electrical	479	476	3	—	479	300	110	69	39	87	101
Office, accounting, and computing machines	37	37	—	—	37	11	7	—	4	4	11
Electrical machinery, equipment, and supplies	197	190	7	—	184	93	76	15	54	129	135
Radio, television, and communication equipment	44	37	—	—	44	12	22	10	11	23	37
Motor vehicles and motor vehicle equipment	2 855	2 524	315	39	2 819	1 558	1 029	232	197	498	504
Aircraft and parts	4	4	—	—	4	4	—	—	—	—	—
Other transportation equipment	20	20	—	—	15	10	5	—	5	10	28
Professional and photographic equipment, and watches	5	5	—	—	5	5	—	—	—	—	—
Ordnance	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous manufactures and durable goods—allocated	371	300	65	12	330	158	89	83	22	60	187
Nondurable goods	1 637	1 581	44	21	1 558	721	527	310	178	574	716
Meat products	14	14	—	—	14	9	—	—	—	16	5
Canning and preserving produce, seafoods, and beverages	58	52	—	—	51	26	19	6	26	46	83
Bakery products	39	39	—	—	39	25	9	5	—	19	10
Other food industries	138	138	—	—	138	77	26	35	7	69	37
Yarn, thread, and fabric mills	21	21	—	—	17	6	—	11	—	22	28
Other textile mill products	—	—	—	—	—	—	—	—	—	—	—
Apparel and other fabricated textile products	74	68	6	6	59	22	27	10	25	41	53
Paper and allied products	28	28	—	—	28	—	13	15	14	5	13
Printing, publishing, and allied industries	810	800	10	4	791	362	302	127	63	157	253
Chemicals and allied products	65	63	2	5	59	20	20	19	4	35	44
Petroleum and coal products	—	—	—	—	—	—	—	—	—	—	—
Rubber and miscellaneous plastic products	227	218	9	—	213	97	53	63	—	81	92
Footwear, except rubber	17	17	—	—	17	10	7	—	5	15	15
Other nondurable goods	146	123	17	—	132	67	46	19	34	58	80
Not specified manufacturing industries	52	43	9	7	52	27	15	10	5	—	34
Transportation, communications, and other public utilities ¹	1 461	1 397	58	14	1 434	752	475	207	191	337	407
Railroads and railway express service	5	5	—	—	5	—	—	—	11	4	9
Street railways and bus lines	300	290	10	—	300	12	227	61	—	22	31
Trucking service and warehousing	164	148	16	—	159	106	32	21	9	26	29
Water transportation	—	—	—	—	—	—	—	—	—	—	—
Air transportation	16	16	—	—	16	11	—	5	12	6	9
All other transportation	115	95	14	6	115	60	29	26	—	26	49
Communications	579	567	12	8	567	361	130	76	128	199	183
Electric and gas utilities	179	179	—	—	179	137	30	12	25	34	26
Water supply, sanitary services, and other utilities	40	40	—	—	30	25	5	—	—	—	20
Wholesale and retail trade	13 115	12 652	382	211	12 409	4 806	3 849	3 754	1 171	3 674	6 685
Wholesale trade	979	911	56	20	938	514	243	181	85	240	330
Food and farm products	117	114	—	5	109	33	—	18	—	61	75
Retail trade	12 136	11 741	326	191	11 471	4 292	3 606	3 573	1 086	3 434	6 355
Hardware, farm equipment, and building material retailing	223	223	—	—	217	136	33	48	36	31	101
General merchandise stores	3 210	3 074	113	42	3 095	1 252	811	1 032	325	1 111	1 641
Food stores	1 269	1 226	34	12	1 203	508	331	366	119	373	543
Motor vehicles and accessories retailing	220	214	6	—	214	134	28	52	14	82	75
Gasoline service stations	71	71	—	—	71	32	15	24	—	36	30
Apparel and accessories stores	1 212	1 172	28	9	1 165	441	353	371	104	195	656
Furniture, home furnishings, and equipment stores	297	292	5	—	289	144	97	48	6	60	150
Eating and drinking places	3 212	3 123	75	91	2 968	842	1 153	973	263	1 029	1 912
Drugstores	444	429	9	—	405	134	131	140	82	138	176
Other retail trade	1 978	1 917	56	37	1 844	671	654	519	137	379	1 071
Finance, insurance, and real estate	3 695	3 598	68	63	3 555	1 998	940	617	404	889	912
Banking and credit agencies	1 396	1 350	28	16	1 343	762	339	242	135	404	331
Insurance	1 495	1 467	22	33	1 435	852	401	182	219	320	396
Other finance and real estate	804	781	18	14	777	384	200	193	50	165	185
Business and repair services	1 329	1 250	74	18	1 253	461	426	366	71	358	736
Advertising	88	83	2	8	72	33	22	17	19	43	68
Commercial research, management, and programing services	176	176	—	—	162	61	49	52	8	35	69
Automobile services	113	113	—	—	113	41	42	30	9	37	42
Other business and repair services	952	878	72	10	906	326	313	267	35	243	557
Personal services	4 074	3 788	269	168	3 834	1 410	1 294	1 130	376	1 135	1 492
Private households	1 240	1 108	132	21	1 144	216	420	508	129	394	365
Hotels and lodging places	860	787	60	30	819	284	317	218	37	282	454
Laundering, cleaning, and other garment services	667	633	34	88	641	331	153	157	73	231	205
Barber and beauty shops	810	791	19	12	779	356	279	144	85	158	194
Other personal services	497	469	24	17	451	223	125	103	52	70	274
Entertainment and recreation services	381	339	42	11	351	105	135	111	33	85	356
Professional and related services	22 598	21 438	979	267	21 991	8 426	9 169	4 396	1 322	4 005	5 842
Health services	6 030	5 760	219	135	5 868	3 140	1 842	886	522	1 510	1 473
Educational services, government	10 476	9 852	518	96	10 285	2 946	5 126	2 213	459	1 545	2 637
Educational services, private	2 763	2 633	121	29	2 686	639	1 373	674	119	396	616
Welfare, religious, and nonprofit membership organizations	1 374	1 322	49	—	1 341	857	264	220	100	255	410
Other professional and related services	1 955	1 871	72	7	1 811	844	564	403	122	299	706
Public administration ¹	5 653	5 391	226	44	5 555	3 915	980	660	317	937	1 119
Postal service	350	330	20	—	350	223	79	48	14	43	112
Federal public administration	430	401	15	—	426	239	103	84	80	163	131
State and local public administration	4 659	4 465	178	44	4 582	3 321	763	498	212	709	803
Unemployed persons, last worked 1959 or earlier ²	82	82	—	5	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

TOLEDO, OHIO-MICH., SMSA

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Male, 16 years old and over	175 656	163 547	11 551	2 484	173 740	124 581	37 393	11 766	4 144	8 141	17 136
Agriculture, forestry, and fisheries	3 599	3 472	109	68	3 489	2 279	783	427	160	292	1 306
Agriculture	3 449	3 327	104	68	3 350	2 177	765	408	153	283	1 295
Forestry and fisheries	150	145	5	—	139	102	18	19	7	9	11
Mining	408	383	25	11	408	301	77	30	20	19	55
Construction	14 118	12 928	1 125	148	14 028	7 766	5 431	831	285	584	1 578
Manufacturing	74 618	68 962	5 457	1 417	74 002	57 388	13 640	2 974	1 888	3 808	5 004
Durable goods	59 931	55 118	4 668	1 174	59 447	46 031	11 276	2 140	1 538	3 035	3 709
Logging	5	—	—	—	5	—	—	5	—	—	5
Sawmills, planing mills, and millwork	289	285	4	7	289	220	64	5	—	6	19
Miscellaneous wood products	155	139	16	—	155	112	28	15	18	5	7
Furniture and fixtures	1 241	1 216	25	13	1 226	935	223	68	12	22	91
Stone, clay, and glass products	10 348	9 915	413	154	10 301	8 463	1 547	291	166	408	414
Cement, concrete, gypsum, and plaster products	1 889	1 809	70	49	1 889	1 577	248	64	12	52	54
Primary iron and steel industries	2 984	2 347	628	105	2 952	2 258	566	128	102	163	358
Primary nonferrous industries	2 457	2 146	311	22	2 454	1 860	503	91	50	153	222
Fabricated metal industries, including not specified metal	6 925	6 492	413	167	6 878	5 230	1 407	241	145	322	381
Machinery, except electrical	7 946	7 662	264	142	7 911	6 262	1 314	335	157	389	486
Office, accounting, and computing machines	1 177	1 097	76	28	1 172	978	157	37	16	34	41
Electrical machinery, equipment, and supplies	2 776	2 646	130	30	2 745	2 185	466	94	162	159	198
Radio, television, and communication equipment	209	209	—	6	209	177	32	—	6	4	16
Motor vehicles and motor vehicle equipment	19 412	17 676	1 688	422	19 300	14 900	3 887	513	495	1 126	950
Aircraft and parts	719	672	43	6	719	594	109	16	6	11	15
Other transportation equipment	597	565	22	42	584	319	247	18	40	24	75
Professional and photographic equipment, and watches	242	220	22	—	242	181	43	18	14	5	31
Ordnance	64	49	15	—	64	48	16	—	17	5	7
Miscellaneous manufactures and durable goods—allocated	3 771	3 083	674	64	3 622	2 464	856	302	149	237	450
Nondurable goods	14 312	13 499	764	221	14 180	11 088	2 294	308	308	720	1 264
Meat products	154	145	9	—	149	122	13	14	8	5	36
Canning and preserving produce, seafoods, and beverages	972	871	91	54	964	714	186	64	—	46	168
Bakery products	416	370	46	—	410	338	51	21	—	17	8
Other food industries	1 215	1 138	55	35	1 203	936	186	81	37	76	169
Yarn, thread, and fabric mills	175	149	26	5	175	145	20	10	9	—	—
Other textile mill products	502	458	44	7	502	410	84	8	6	14	18
Apparel and other fabricated textile products	176	176	—	8	176	116	44	16	11	6	26
Paper and allied products	2 395	2 333	62	13	2 379	1 782	483	114	66	153	159
Printing, publishing, and allied industries	2 120	2 062	58	15	2 100	1 707	260	133	28	62	179
Chemicals and allied products	2 161	2 089	60	26	2 154	1 736	325	93	28	94	127
Petroleum and coal products	1 833	1 735	98	23	1 833	1 537	265	31	70	121	103
Rubber and miscellaneous plastic products	1 368	1 254	114	28	1 354	1 042	210	102	19	69	132
Footwear, except rubber	10	10	—	—	10	6	—	4	—	2	—
Other nondurable goods	815	709	101	7	771	497	167	107	26	55	139
Not specified manufacturing industries	375	345	25	22	375	269	70	36	42	53	31
Transportation, communications, and other public utilities ¹	17 095	16 164	912	242	16 964	12 489	3 762	713	491	962	1 183
Railroads and railway express service	4 587	4 497	90	88	4 560	3 498	906	156	239	486	268
Street railways and bus lines	441	399	42	14	431	329	97	5	18	28	10
Trucking service and warehousing	4 891	4 682	209	69	4 879	3 538	1 079	262	71	160	348
Water transportation	1 243	1 149	88	17	1 224	350	798	76	23	69	129
Air transportation	250	241	9	—	250	193	40	17	—	4	11
All other transportation	344	334	10	7	338	237	84	17	21	30	48
Communications	1 500	1 391	102	11	1 477	1 198	202	77	—	34	79
Electric and gas utilities	2 065	1 999	60	15	2 055	1 787	233	35	62	53	88
Water supply, sanitary services, and other utilities	1 152	964	188	15	1 145	927	188	30	31	49	114
Wholesale and retail trade	30 183	28 605	1 513	204	29 688	20 226	5 934	3 528	544	1 153	4 013
Wholesale trade	8 543	8 062	472	85	8 477	6 719	1 312	446	190	403	619
Food and farm products	1 546	1 506	40	6	1 546	1 271	198	77	46	87	154
Retail trade	21 640	20 543	1 041	119	21 211	13 507	4 622	3 082	354	750	3 394
Hardware, farm equipment, and building material retailing	1 165	1 155	10	—	1 151	890	154	107	29	57	122
General merchandise stores	2 215	2 084	131	8	2 173	1 420	446	307	32	68	445
Food stores	3 855	3 748	99	19	3 808	2 471	758	579	50	103	478
Motor vehicles and accessories retailing	2 722	2 607	115	21	2 696	2 123	479	94	57	57	250
Gasoline service stations	2 563	2 514	44	12	2 516	1 319	750	447	11	51	407
Apparel and accessories stores	773	730	43	10	768	458	219	91	13	30	175
Furniture, home furnishings, and equipment stores	1 160	1 136	21	11	1 144	846	165	133	30	37	162
Eating and drinking places	3 303	3 043	226	29	3 204	1 421	863	920	52	149	782
Drug stores	723	703	20	—	709	475	144	90	13	32	98
Other retail trade	3 161	2 823	332	9	3 042	2 084	644	314	67	166	475
Finance, insurance, and real estate	4 613	4 442	167	17	4 580	3 749	636	195	85	201	395
Banking and credit agencies	1 266	1 229	37	6	1 261	1 101	100	60	29	50	63
Insurance	1 746	1 690	56	5	1 732	1 522	191	19	31	39	64
Other finance and real estate	1 601	1 523	74	6	1 587	1 126	345	116	25	112	268
Business and repair services	4 887	4 581	287	47	4 820	3 285	978	557	66	170	565
Advertising	188	185	3	—	188	143	39	6	—	7	16
Commercial research, management, and programing services	430	408	22	—	430	355	51	24	—	15	40
Automobile services	1 466	1 369	87	20	1 431	934	296	201	18	26	188
Other business and repair services	2 803	2 619	175	27	2 771	1 853	592	326	42	122	321
Personal services	2 684	2 379	300	23	2 637	1 667	616	354	137	137	511
Private households	191	167	24	—	185	84	35	66	32	21	103
Hotels and lodging places	530	422	108	16	515	261	144	110	33	37	164
Laundering, cleaning, and other garment services	602	505	92	—	584	409	109	66	17	38	106
Barber and beauty shops	769	745	24	7	769	514	219	36	17	21	39
Other personal services	592	540	52	—	584	399	109	76	38	20	99
Entertainment and recreation services	1 258	1 191	67	14	1 224	538	343	343	22	62	592
Professional and related services	15 878	14 794	952	215	15 685	9 443	4 653	1 589	206	405	1 327
Health services	2 996	2 647	259	39	2 939	2 059	689	191	56	121	254
Educational services, government	6 331	5 995	306	105	6 258	2 929	2 608	721	50	83	390
Educational services, private	1 456	1 368	83	30	1 439	740	512	187	5	38	153
Welfare, religious, and nonprofit membership organizations	1 972	1 834	138	29	1 957	1 404	312	241	58	107	243
Other professional and related services	3 123	2 950	166	12	3 092	2 311	532	249	37	56	287
Public administration ¹	6 269	5 610	627	78	6 215	5 450	540	225	240	348	607
Postal service	1 847	1 558	289	22	1 842	1 584	185	73	58	41	99
Federal public administration	910	831	79	9	894	796	55	43	59	107	211
State and local public administration	3 327	3 108	214	39	3 309	2 948	272	89	109	200	281
Unemployed persons, last worked 1959 or earlier ²	46	36	10	—	...	...	...	...	...	...	...

¹Includes allocated cases not shown separately.

²See text for explanation.

Table 185. Industry of the Experienced Civilian Labor Force by Race and Sex, and Weeks Worked in 1969 and Experienced Workers Not in the Labor Force by Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical
Areas of 250,000 or More

TOLEDO, OHIO-MICH., SMSA—Continued

	Experienced civilian labor force				Weeks worked in 1969 of the experienced civilian labor force				Year last worked of experienced workers not in labor force		
	Total	White	Negro	Persons of Spanish language	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	1960-63	1964-68	1969-70
Female, 16 years old and over	100 869	90 930	9 592	1 343	96 322	46 929	31 143	18 250	9 899	23 669	27 782
Agriculture, forestry, and fisheries	465	595	59	86	637	214	194	229	116	252	333
Agriculture	656	586	59	86	628	214	190	224	116	252	333
Forestry and fisheries	9	9	—	—	9	—	4	5	—	—	—
Mining	39	39	—	—	39	28	11	—	6	11	10
Construction	925	888	32	4	914	533	250	133	102	276	209
Manufacturing	18 858	17 421	1 369	287	18 231	10 857	5 186	2 188	2 029	4 244	4 017
Durable goods	13 247	12 259	955	224	12 852	7 905	3 570	1 377	1 386	2 625	2 303
Logging	—	—	—	—	—	—	5	16	9	19	6
Sawmills, planing mills, and millwork	79	79	—	—	79	58	5	16	—	—	—
Miscellaneous wood products	29	29	—	13	29	13	6	10	4	7	5
Furniture and fixtures	429	416	13	24	413	215	135	63	27	77	147
Stone, clay, and glass products	2 424	2 259	147	44	2 391	1 682	464	245	294	416	258
Cement, concrete, gypsum, and plaster products	429	410	14	13	429	298	65	66	22	33	62
Primary iron and steel industries	167	150	17	—	160	98	47	15	27	62	35
Primary nonferrous industries	366	317	49	—	355	214	102	39	26	64	33
Fabricated metal industries, including not specified metal	1 456	1 353	97	14	1 420	804	456	160	131	335	299
Machinery, except electrical	1 808	1 741	62	16	1 769	1 101	486	182	141	297	342
Office, accounting, and computing machines	305	305	—	—	302	232	10	10	35	70	41
Electrical machinery, equipment, and supplies	1 910	1 837	73	44	1 839	1 067	595	177	227	363	401
Radio, television, and communication equipment	228	228	—	22	215	124	72	19	27	81	143
Motor vehicles and motor vehicle equipment	2 718	2 460	254	52	2 681	1 745	708	228	290	546	330
Aircraft and parts	137	129	8	—	133	101	25	7	17	15	5
Other transportation equipment	87	87	—	—	87	43	34	10	14	42	32
Professional and photographic equipment, and watches	164	159	5	7	153	79	48	26	13	10	11
Ordnance	36	36	—	—	36	30	—	6	161	362	338
Miscellaneous manufactures and durable goods—allocated	1 437	1 207	230	10	1 307	655	459	193	629	1 574	1 680
Nondurable goods	5 432	5 019	378	63	5 200	2 894	1 529	777	427	874	718
Meat products	92	83	9	—	92	60	32	—	5	38	24
Canning and preserving produce, seafoods, and beverages	292	252	34	29	273	127	58	88	82	305	370
Bakery products	178	147	31	—	168	83	74	11	25	31	32
Other food industries	461	445	16	—	455	262	162	31	70	110	131
Yarn, thread, and fabric mills	49	43	6	—	43	20	19	4	5	18	10
Other textile mill products	63	63	—	—	63	33	9	21	18	27	54
Apparel and other fabricated textile products	492	458	29	6	477	251	149	77	77	153	160
Paper and allied products	795	777	18	—	759	489	189	81	70	177	50
Printing, publishing, and allied industries	800	754	41	5	791	494	192	105	76	186	202
Chemicals and allied products	411	390	16	—	401	214	120	67	34	123	135
Petroleum and coal products	149	133	16	—	149	128	21	—	46	12	24
Rubber and miscellaneous plastic products	1 139	1 052	82	18	1 097	520	343	234	39	263	270
Footwear, except rubber	26	21	5	—	26	5	16	5	—	5	10
Other nondurable goods	485	401	75	5	406	208	145	53	82	126	208
Not specified manufacturing industries	179	143	36	—	179	58	87	34	34	45	34
Transportation, communications, and other public utilities ¹	3 496	3 184	302	28	3 359	1 798	1 071	490	427	874	718
Railroads and railway express service	188	181	7	—	183	140	29	14	45	56	9
Street railways and bus lines	556	518	38	—	534	42	396	96	—	65	35
Trucking service and warehousing	518	514	4	—	508	344	126	38	43	102	114
Water transportation	53	53	—	—	48	25	13	10	6	6	—
Air transportation	45	45	—	—	40	30	10	—	14	24	14
All other transportation	124	106	18	—	124	65	26	33	16	29	21
Communications	1 367	1 187	170	28	1 326	774	300	252	191	460	362
Electric and gas utilities	389	374	15	—	384	276	93	15	52	92	67
Water supply, sanitary services, and other utilities	87	70	17	—	72	62	10	—	5	—	34
Wholesale and retail trade	25 852	24 390	1 386	277	24 504	11 630	7 065	5 809	3 169	7 904	10 126
Wholesale trade	2 528	2 420	100	35	2 467	1 495	703	269	298	534	605
Food and farm products	373	354	14	10	373	221	113	39	76	66	111
Retail trade	23 324	21 970	1 286	242	22 037	10 135	6 362	5 540	2 871	7 370	9 521
Hardware, farm equipment, and building material retailing	258	258	—	—	258	126	76	56	31	108	105
General merchandise stores	6 505	6 230	271	48	6 261	2 919	1 798	1 544	883	2 110	2 685
Food stores	2 898	2 796	102	17	2 776	1 428	823	525	351	810	849
Motor vehicles and accessories retailing	412	412	—	6	412	254	106	52	34	121	87
Gasoline service stations	185	181	4	—	185	119	41	25	11	14	54
Apparel and accessories stores	1 484	1 420	64	12	1 413	680	438	295	199	351	427
Furniture, home furnishings, and equipment stores	493	486	7	—	486	325	69	92	52	178	154
Eating and drinking places	6 937	6 363	510	84	6 447	2 391	1 973	2 083	740	2 417	3 330
Drugstores	986	964	22	11	935	497	232	206	129	293	305
Other retail trade	3 166	2 860	306	64	2 864	1 396	806	662	441	968	1 525
Finance, insurance, and real estate	5 058	4 745	295	16	4 883	3 044	1 140	699	674	1 219	1 044
Banking and credit agencies	2 339	2 181	140	12	2 320	1 488	510	322	419	571	378
Insurance	1 424	1 384	40	—	1 370	856	308	206	138	319	374
Other finance and real estate	1 295	1 180	115	4	1 193	700	322	171	117	329	292
Business and repair services	2 220	2 082	129	43	2 133	1 108	589	436	175	577	977
Advertising	74	70	—	6	74	29	30	15	12	30	48
Commercial research, management, and programing services	394	376	18	6	377	144	143	90	30	60	188
Automobile services	184	181	3	—	184	117	49	18	20	36	40
Other business and repair services	1 568	1 455	108	31	1 498	818	367	313	113	451	701
Personal services	8 173	6 226	1 919	110	7 609	3 220	2 479	1 910	753	2 037	2 203
Private households	2 323	1 531	784	26	2 191	668	751	772	253	684	671
Hotels and lodging places	1 433	1 134	299	19	1 323	567	378	378	87	300	489
Laundering, cleaning, and other garment services	1 443	1 100	337	33	1 335	689	352	294	174	395	350
Barber and beauty shops	1 707	1 632	75	26	1 605	816	570	219	127	435	315
Other personal services	1 267	829	424	6	1 155	480	428	247	112	223	378
Entertainment and recreation services	952	844	97	5	927	278	380	269	97	247	642
Professional and related services	32 175	28 559	3 509	457	30 914	12 777	12 322	5 815	2 114	5 517	6 867
Health services	12 790	11 086	1 669	231	12 331	6 812	3 274	2 245	802	2 461	2 408
Educational services, government	10 522	9 565	896	129	10 198	2 483	5 639	2 076	651	1 549	2 148
Educational services, private	3 718	3 485	233	35	3 614	831	2 063	720	173	518	706
Welfare, religious, and nonprofit membership organizations	2 204	1 910	294	49	2 101	1 263	533	305	176	388	558
Other professional and related services	2 941	2 513	417	13	2 670	1 388	813	469	312	601	1 047
Public administration ¹	2 260	1 809	447	30	2 170	1 442	456	272	237	511	636
Postal service	558	415	143	—	551	360	120	71	40	86	70
Federal public administration	425	325	100	24	377	217	102	58	86	183	158
State and local public administration	1 229	1 041	184	6	1 200	836	234	130	102	216	373
Unemployed persons, last worked 1959 or earlier ²	196	148	48	—	—	—	—	—	—	—	—

¹Includes allocated cases not shown separately.

²See text for explanation.