

## INSTRUCTIONS FOR USING THE LIST OF PRINCIPAL OCCUPATIONS AND INDUSTRIES

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To facilitate the work of coding, about 500 of the principal occupations and about 230 of the principal industries contained in the Alphabetical Index have been printed, with their symbols, on a large card. One of these cards, supported at a convenient angle, will stand on the desk of each coding clerk.

The "List of Principal Occupations and Industries" contains only the more important occupational designations and only the more important industries. It is in no sense exhaustive. Hence, while it will indicate the proper classification of a large proportion of the occupational designations returned on the schedules, no attempt should be made to classify all the designations returned without consulting the Alphabetical Index. In case the "List" leaves any doubt whatever as to the correct symbol, the detailed Alphabetical Index should be referred to.

*The "List" must be used with great care, and the Alphabetical Index must be consulted for all designations not in or not plainly covered by the "List."*

**Use of brackets.**—In the "List of Principal Occupations and Industries," certain occupations are followed by brackets containing, in bold-faced type, the abbreviation "Ex," for *except*, and the names of industries or places of work. *Each industry or place of work given in the brackets is an exception.* Thus, in the designation "Farmer—Any farm [Ex turpentine]—VV VV," the "Ex turpentine" in the brackets means that a farmer on any farm *except a turpentine farm* should be given the symbol VV VV.

**Heed strictly all exceptions noted in brackets.**—The symbols for these exceptions usually are not included in the "List," but are given in the Alphabetical Index.

**Industry Index.**—The "List of Principal Occupations and Industries" includes an Industry Index which comprises the more important industries. Each industry in this index is followed by its code symbol.

**Use of "Ind."**—The substitution of the abbreviation "Ind" for the industry part of a complete symbol signifies that the occupation

part of the symbol applies in every industry included in the "Industry Index," *unless* exceptions are specified in brackets. Thus, in the designation "Accountant—66 Ind," the "Ind" indicates that an accountant in any industry included in the "Industry Index" is to be given the occupation symbol 66, and that the industry symbol to be assigned is the symbol for the specific industry in which the particular accountant is employed. In case this industry is not included in the "Industry Index," the detailed Alphabetical Index should be consulted for the correct occupation and industry symbol.

# INDUSTRIAL OUTLINE OF THE OCCUPATION CLASSIFICATION

## Industries and Industrial Groups with their Symbols

AGRICULTURE, FISHING, AND FORESTRY	MANUFACTURING AND MECHANICAL INDUSTRIES—Continued
Symbol	Symbol
VV Agriculture	Clothing industries—Continued.
V0 Fishing	09 Shirt, collar, and cuff factories
V1 Forestry	1V Suit, coat, and overall factories
EXTRACTION OF MINERALS	10 Other clothing factories
V2 Coal mines	Food and allied industries:
V3 Copper mines	11 Bakeries
V4 Gold and silver mines	12 Butter, cheese, and condensed milk factories
V5 Iron mines	13 Candy factories
V6 Lead and zinc mines	14 Fish curing and packing
V7 Other specified mines	15 Flour and grain mills
V8 Not specified mines	16 Fruit and vegetable canning, etc.
V9 Quarries	17 Slaughter and packing houses
XV Oil wells and gas wells	18 Sugar factories and refineries
X0 Salt wells and works	19 Other food factories
MANUFACTURING AND MECHANICAL INDUSTRIES	20 Liquor and beverage industries
X1 Building and construction indus- try	Iron and steel, machinery, and vehicle industries:
Chemical and allied industries:	21 Agricultural implement fac- tories
X2 Charcoal and coke works	22 Automobile factories
X3 Explosives, ammunition, and fireworks factories	23 Automobile repair shops
X4 Fertilizer factories	24 Blast furnaces and steel rolling mills
X5 Gas works	25 Car and railroad shops
X6 Paint and varnish factories	26 Ship and boat building
X7 Petroleum refineries	27 Wagon and carriage factories
X8 Rayon factories	28 Other iron and steel and ma- chinery factories
X9 Soap factories	29 Not specified metal industries
0V Other chemical factories	Metal industries, except iron and steel:
00 Cigar and tobacco factories	3V Brass mills
Clay, glass, and stone industries:	30 Clock and watch factories
01 Brick, tile, and terra-cotta fac- tories	31 Copper factories
02 Glass factories	32 Gold and silver factories
03 Lime, cement, and artificial stone factories	33 Jewelry factories
04 Marble and stone yards	34 Lead and zinc factories
05 Potteries	35 Tinware, enamelware, etc., fac- tories
Clothing industries:	36 Other metal factories
06 Corset factories	
07 Glove factories	
08 Hat factories (felt)	

16 INDUSTRIAL OUTLINE OF THE OCCUPATION CLASSIFICATION

MANUFACTURING AND MECHANICAL INDUSTRIES—Continued

Symbol	
	Leather industries:
37	Harness and saddle factories
38	Leather belt, leather goods, etc., factories
39	Shoe factories
40	Tanneries
41	Trunk, suitcase, and bag factories
	Lumber and furniture industries:
42	Furniture factories
43	Piano and organ factories
44	Saw and planing mills
45	Other woodworking factories
	Paper, printing, and allied industries:
46	Blank book, envelope, tag, paper bag, etc., factories
47	Paper and pulp mills
48	Paper box factories
49	Printing, publishing, and engraving
	Textile industries:
5V	Cotton mills
50	Knitting mills
51	Silk mills
52	Textile dyeing, finishing, and printing mills
53	Woolen and worsted mills
	Other textile mills:
54	Carpet mills
55	Hemp, jute, and linen mills
56	Lace and embroidery mills
57	Rope and cordage factories
58	Sail, awning, and tent factories
59	Other and not specified textile mills
	Miscellaneous manufacturing industries:
60	Broom and brush factories
61	Button factories
62	Electric light and power plants
63	Electrical machinery and supply factories
64	Independent hand trades
65	Rubber factories
66	Straw factories
67	Turpentine farms and distilleries
68	Other miscellaneous industries
69	Other not specified industries

TRANSPORTATION AND COMMUNICATION

Symbol	
70	Air transportation
71	Construction and maintenance of streets, roads, sewers, bridges
72	Express companies
73	Garages, automobile laundries, greasing stations
74	Livery stables
75	Pipe lines
76	Postal service
6V	Radio broadcasting and transmitting
77	Steam railroads
78	Street railroads
79	Telegraph and telephone
8V	Truck, transfer, and cab companies
80	Water transportation
81	Other and not specified transportation and communication

TRADE

82	Advertising agencies
83	Banking and brokerage
84	Grain elevators
85	Insurance
86	Real estate
87	Stockyards
88	Warehouses and cold storage plants
	Wholesale and retail trade:
89	Automobile agencies, stores, filling stations
	Wholesale and retail trade (except automobile):
90	Wholesale and retail trade (except dealers and except laborers in coal and lumber yards)
91	Wholesale and retail dealers, and laborers in coal and lumber yards
92	Other and not specified trade

PUBLIC SERVICE (not elsewhere classified)

93	Public service (not elsewhere classified)
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PROFESSIONAL SERVICE

7V	Recreation and amusement
94	Professional pursuits
95	Semiprofessional pursuits and attendants and helpers

## DOMESTIC AND PERSONAL SERVICE

## Symbol

- 95 Hotels, restaurants, boarding  
houses, etc.
- 96 Domestic and personal service  
(n. e. c.<sup>1</sup>)
- 97 Laundries
- 98 Cleaning, dyeing, and pressing  
shops

## NOT SPECIFIED INDUSTRIES AND SERVICES

- 99 Not specified industries and serv-  
ices
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<sup>1</sup> Not elsewhere classified.

# OCCUPATION CLASSIFICATION

## OCCUPATIONS AND OCCUPATION GROUPS WITH THEIR SYMBOLS

[Page reference is to the Classified Index]

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>AGRICULTURE, FISHING, AND FORESTRY</b>		
* VV VV	Agricultural proprietors.....	34
* VX VV	Agricultural foremen and overseers.....	35
	Agricultural laborers.....	35
* V0 VV	Agricultural laborers (unpaid family workers).....	35
* V1 VV	Agricultural laborers (wage workers).....	36
* 86 V0	Fishermen and oystermen.....	37
* 81 V1	Foresters, forest rangers, and timber cruisers.....	37
	Owners and managers of log and timber camps.....	37
72 V1	Owners and proprietors.....	37
73 V1	Managers and officials.....	37
	Lumbermen, raftsmen, and woodchoppers.....	37
* 74 V1	Foremen.....	37
* 75 V1	Inspectors, scalers, and surveyors.....	37
89 V1	Teamsters and haulers.....	38
* 78 V1	Other lumbermen, raftsmen, and woodchoppers.....	38
<b>EXTRACTION OF MINERALS</b>		
	Operators, managers, and officials.....	39
* 72 Ind	Operators.....	39
73 Ind	Managers and officials.....	39
	Foremen, overseers, and inspectors.....	40
74 Ind	Foremen and overseers.....	40
75 Ind	Inspectors.....	40
* 78 V2	Coal mine operatives.....	40
	Other operatives in extraction of minerals.....	41
* 78 V3	Copper mine operatives.....	41
* 78 V4	Gold and silver mine operatives.....	42
* 78 V5	Iron mine operatives.....	44
* 78 V6	Lead and zinc mine operatives.....	45
* 78 V7	Other specified mine operatives.....	45
* 78 V8	Not specified mine operatives.....	46
* 78 V9	Quarry operatives.....	46
* 78 XV	Oil and gas well operatives.....	46
78 X0	Salt well and works operatives.....	47
<b>MANUFACTURING AND MECHANICAL INDUSTRIES</b>		
	Apprentices to building and hand trades.....	47
V2 Ind	Blacksmiths' apprentices.....	47
V3 Ind	Boiler makers' apprentices.....	47
V4 Ind	Carpenters' apprentices.....	47
V5 Ind	Electricians' apprentices.....	47
V6 Ind	Machinists' apprentices.....	47
* V7 Ind	Plumbers' apprentices.....	47
V8 Ind	Tinsmiths' and coppersmiths' apprentices.....	47
V9 Ind	Apprentices to other building and hand trades.....	47

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b> Continued		
	Apprentices, except to building and hand trades.....	48
80 64	Dressmakers' and milliners' apprentices.....	48
0V Ind	Jewelers', watchmakers', goldsmiths', and silversmiths' ap- prentices.....	48
83 49	Printers' and bookbinders' apprentices.....	48
0X Ind	Other apprentices in manufacturing.....	48
× 84 11	Bakers.....	48
	Blacksmiths, forgemen, and hammermen.....	48
× 00 Ind	Blacksmiths.....	48
× 01 Ind	Forgemen and hammermen.....	49
× 02 Ind	Boiler makers.....	49
03 Ind	Brick and stone masons and tile layers.....	49
04 Ind	Builders and building contractors.....	49
× 05 Ind	Cabinetmakers.....	50
× 06 Ind	Carpenters.....	50
× 07 Ind	Compositors, linotypers, and typesetters.....	51
08 Ind	Coopers.....	52
83 64	Dressmakers and seamstresses (not in factory).....	52
× 09 Ind	Dyers.....	52
× 1V Ind	Electricians.....	52
	Electrotypers, stereotypers, and lithographers.....	53
× 86 49	Electrotypers and stereotypers.....	53
× 87 49	Lithographers.....	53
	Engineers (stationary), cranemen, hoistmen, etc.....	53
× 1X Ind	Engineers (stationary).....	53
10 Ind	Cranemen, derrickmen, hoistmen, etc.....	54
× 11 Ind	Engravers.....	54
	Filers, grinders, buffers, and polishers (metal).....	54
12 Ind	Buffers and polishers.....	54
× 13 Ind	Filers.....	55
14 Ind	Grinders.....	55
× 15 Ind	Firemen (except locomotive and fire department).....	55
× 74 Ind	Foremen and overseers (manufacturing).....	55
	Furnace men, smelter men, heaters, puddlers, etc.....	56
× 16 Ind	Furnace men, smelter men, and pourers.....	56
17 Ind	Heaters.....	58
18 Ind	Puddlers.....	58
85 63	Glass blowers, electrical supply factories <sup>1</sup> .....	58
85 02	Glass blowers, glass factories <sup>1</sup> .....	58
	Jewelers, watchmakers, goldsmiths, and silversmiths.....	59
× 19 Ind	Goldsmiths and silversmiths.....	59
2V Ind	Jewelers and lapidaries (factory).....	59
86 64	Jewelers and watchmakers (not in factory).....	59
× 2X Ind	Loom fixers.....	59
	Machinists, millwrights, and toolmakers.....	59
× 20 Ind	Machinists.....	59
21 Ind	Millwrights.....	60
22 Ind	Toolmakers and die setters and sinkers.....	60

<sup>1</sup> Glass blowers to be tabulated as a single group.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b>		
Continued		
×72 Ind	Manufacturers.....	60
×73 Ind	Managers and officials (manufacturing).....	60
	Mechanics (n. o. s.) <sup>a</sup> .....	62
76 70	Air transportation.....	62
×76 22	Automobile factories.....	62
×76 23	Automobile repair shops.....	62
×76 73	Garages.....	62
76 77	Steam railroads.....	62
×76 78	Street railroads.....	62
76 25	Car and railroad shops.....	62
×76 Ind	Other industries.....	62
84 15	Millers, flour and grain mills <sup>3</sup> .....	63
×84 19	Millers, other food factories <sup>3</sup> .....	64
×88 64	Milliners and millinery dealers.....	64
	Molders, founders, and casters (metal).....	64
23 Ind	Brass molders, founders, and casters.....	64
×24 Ind	Iron molders, founders, and casters.....	64
×25 Ind	Other molders, founders, and casters.....	64
×26 Ind	Oilers of machinery.....	64
	Painters, glaziers, varnishers, enamellers, etc.....	65
27 Ind	Enamellers, lacquerers, and japanners.....	65
28 Ind	Painters, glaziers, and varnishers (building).....	65
×29 Ind	Painters, glaziers, and varnishers (factory).....	65
86 X1	Paper hangers.....	66
3V Ind	Pattern and model makers.....	66
89 43	Piano and organ tuners in factories <sup>4</sup> .....	66
89 64	Piano and organ tuners not in factories <sup>4</sup> .....	66
	Plasterers and cement finishers.....	66
3X Ind	Cement finishers.....	66
87 X1	Plasterers.....	66
×30 Ind	Plumbers and gas and steam fitters.....	66
	Pressmen and plate printers (printing) <sup>5</sup> .....	67
99 46	Blank book, envelope, tag, paper bag, etc., factories.....	67
×99 49	Printing, publishing, and engraving.....	67
×31 Ind	Rollers and roll hands (metal).....	67
89 X1	Roofers and slaters.....	68
×32 Ind	Sawyers.....	68
×99 64	Shoemakers and cobblers (not in factory).....	68
×33 Ind	Skilled occupations (not elsewhere classified).....	68
×34 Ind	Stonecutters.....	69
×35 Ind	Structural iron workers (building).....	69
80 1V	Tailors and tailoresses.....	69

<sup>2</sup> Not otherwise specified

<sup>a</sup> Mechanics (n. o. s.) to be tabulated as follows:

Mechanics (n. o. s.)—

Air transportation.

Automobile factories, garages, and repair shops.

Railroads and car shops.

Other industries.

<sup>3</sup> Millers to be tabulated as a single group.

<sup>4</sup> Piano and organ tuners to be tabulated as a single group.

<sup>5</sup> Pressmen and plate printers to be tabulated as a single group.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b> Continued		
	Tinsmiths and coppersmiths.....	69
36 Ind	Coppersmiths.....	69
x37 Ind	Tinsmiths and sheet metal workers.....	69
x38 Ind	Upholsterers.....	69
	Operatives (n. o. s. <sup>2</sup> ):	
x77 X1	Building and construction industry.....	70
	Chemical and allied industries.....	70
x77 X2	Charcoal and coke works.....	70
x77 X3	Explosives, ammunition, and fireworks factories.....	70
77 X4	Fertilizer factories.....	71
x77 X5	Gas works.....	71
x77 X6	Paint and varnish factories.....	71
x77 X7	Petroleum refineries.....	71
x77 X8	Rayon factories.....	72
77 X9	Soap factories.....	72
x77 0V	Other chemical factories.....	72
x77 00	Cigar and tobacco factories.....	73
	Clay, glass, and stone industries.....	74
x77 01	Brick, tile, and terra-cotta factories.....	74
x77 02	Glass factories.....	75
x77 03	Lime, cement, and artificial stone factories.....	76
77 04	Marble and stone yards.....	76
77 05	Potteries.....	77
	Clothing industries.....	77
x77 06	Corset factories.....	77
x77 07	Glove factories.....	78
77 08	Hat factories (felt).....	78
77 09	Shirt, collar, and cuff factories.....	79
x77 1V	Suit, coat, and overall factories.....	79
77 10	Other clothing factories.....	81
	Food and allied industries.....	83
x77 11	Bakeries.....	83
x77 12	Butter, cheese, and condensed milk factories.....	83
77 13	Candy factories.....	83
77 14	Fish curing and packing.....	84
x77 15	Flour and grain mills.....	84
77 16	Fruit and vegetable canning, etc.....	84
x77 17	Slaughter and packing houses.....	85
x77 18	Sugar factories and refineries.....	87
77 19	Other food factories.....	88
x77 20	Liquor and beverage industries.....	88
	Iron and steel, machinery, and vehicle industries.....	89
77 21	Agricultural implement factories.....	89
x77 22	Automobile factories.....	90
77 23	Automobile repair shops.....	91
x77 24	Blast furnaces and steel rolling mills <sup>6</sup> .....	91
x77 25	Car and railroad shops.....	93
x77 26	Ship and boat building.....	94
77 27	Wagon and carriage factories.....	95
x77 28	Other iron and steel and machinery factories <sup>7</sup> .....	95
x77 29	Not specified metal industries.....	100

<sup>1</sup> Not otherwise specified.<sup>6</sup> Includes tin-plate mills.<sup>7</sup> Includes iron foundries.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
	<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b>	
	Continued	
	Operatives (n. o. s. <sup>2</sup> )—Continued.	
	Metal industries, except iron and steel.....	100
77 3V	Brass mills.....	100
77 30	Clock and watch factories.....	101
×77 31	Copper factories.....	101
×77 32	Gold and silver factories.....	102
77 33	Jewelry factories.....	102
77 34	Lead and zinc factories.....	102
77 35	Tinware, enamelware, etc., factories.....	103
77 36	Other metal factories.....	103
	Leather industries.....	104
77 37	Harness and saddle factories.....	104
77 38	Leather belt, leather goods, etc., factories.....	104
77 39	Shoe factories.....	105
77 40	Tanneries.....	107
77 41	Trunk, suitcase, and bag factories.....	108
	Lumber and furniture industries.....	108
×77 42	Furniture factories.....	108
×77 43	Piano and organ factories.....	109
×77 44	Saw and planing mills <sup>3</sup> .....	110
×77 45	Other woodworking factories.....	111
	Paper, printing, and allied industries.....	113
77 46	Blank book, envelope, tag, paper bag, etc., factories.....	113
×77 47	Paper and pulp mills.....	113
77 48	Paper box factories.....	114
×77 49	Printing, publishing, and engraving.....	115
	Textile industries.....	116
×77 5V	Cotton mills.....	116
×77 50	Knitting mills.....	117
×77 51	Silk mills.....	118
×77 52	Textile dyeing, finishing, and printing mills.....	119
×77 53	Woolen and worsted mills.....	122
	Other textile mills.....	123
×77 54	Carpet mills.....	123
×77 55	Hemp, jute, and linen mills.....	124
×77 56	Lace and embroidery mills.....	125
77 57	Rope and cordage factories.....	125
77 58	Sail, awning, and tent factories.....	126
×77 59	Other and not specified textile mills.....	126
	Miscellaneous manufacturing industries.....	128
77 60	Broom and brush factories.....	128
77 61	Button factories.....	128
×77 62	Electric light and power plants.....	128
×77 63	Electrical machinery and supply factories.....	129
×77 65	Rubber factories.....	130
77 66	Straw factories.....	132
×77 67	Turpentine farms and distilleries.....	133
×77 68	Other miscellaneous manufacturing industries.....	133
77 69	Other not specified manufacturing industries.....	136
×77 99	Not specified industries and services.....	137

<sup>2</sup>Not otherwise specified.<sup>3</sup>Includes box factories (wood).

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
	<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b>	
	Continued	
	Laborers (n. o. s. <sup>2</sup> ):	
	Building, general, and not specified laborers.....	137
* 78 X1	Laborers and helpers, building construction.....	137
78 99	General and not specified laborers.....	138
	Chemical and allied industries.....	139
78 X2	Charcoal and coke works.....	139
×78 X3	Explosives, ammunition, and fireworks factories.....	139
×78 X4	Fertilizer factories.....	139
×78 X5	Gas works.....	139
×78 X6	Paint and varnish factories.....	139
×78 X7	Petroleum refineries.....	139
×78 X8	Rayon factories.....	139
×78 X9	Soap factories.....	139
×78 0V	Other chemical factories.....	139
×78 00	Cigar and tobacco factories.....	140
	Clay, glass, and stone industries.....	140
×78 01	Brick, tile, and terra-cotta factories.....	140
×78 02	Glass factories.....	140
×78 03	Lime, cement, and artificial stone factories.....	140
×78 04	Marble and stone yards.....	141
×78 05	Potteries.....	141
	Clothing industries.....	141
×78 06	Corset factories.....	141
×78 07	Glove factories.....	141
×78 08	Hat factories (felt).....	141
×78 09	Shirt, collar, and cuff factories.....	141
×78 1V	Suit, coat, and overall factories.....	141
×78 10	Other clothing factories.....	141
	Food and allied industries.....	141
×78 11	Bakeries.....	141
×78 12	Butter, cheese, and condensed milk factories.....	141
×78 13	Candy factories.....	141
×78 14	Fish curing and packing.....	141
×78 15	Flour and grain mills.....	141
×78 16	Fruit and vegetable canning, etc.....	142
×78 17	Slaughter and packing houses.....	142
×78 18	Sugar factories and refineries.....	142
×78 19	Other food factories.....	142
×78 20	Liquor and beverage industries.....	143
	Iron and steel, machinery, and vehicle industries.....	143
×78 21	Agricultural implement factories.....	143
×78 22	Automobile factories.....	143
78 23	Automobile repair shops.....	143
×78 24	Blast furnaces and steel rolling mills <sup>6</sup> .....	143
×78 25	Car and railroad shops.....	145
×78 26	Ship and boat building.....	146
×78 27	Wagon and carriage factories.....	146
×78 28	Other iron and steel and machinery factories <sup>7</sup> .....	146
×78 29	Not specified metal industries.....	147

<sup>2</sup> Not otherwise specified.<sup>6</sup> Includes tin-plate mills.<sup>7</sup> Includes iron foundries.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>MANUFACTURING AND MECHANICAL INDUSTRIES—</b>		
Continued		
Laborers (n. o. s. <sup>2</sup> )—Continued.		
	Metal industries, except iron and steel.....	147
× 78 3V	Brass mills.....	147
× 78 30	Clock and watch factories.....	147
× 78 31	Copper factories.....	147
× 78 32	Gold and silver factories.....	147
× 78 33	Jewelry factories.....	147
× 78 34	Lead and zinc factories.....	147
× 78 35	Tinware, enamelware, etc., factories.....	148
× 78 36	Other metal factories.....	148
	Leather industries.....	148
× 78 37	Harness and saddle factories.....	148
× 78 38	Leather belt, leather goods, etc., factories.....	148
× 78 39	Shoe factories.....	148
× 78 40	Tanneries.....	148
× 78 41	Trunk, suitcase, and bag factories.....	148
	Lumber and furniture industries.....	148
× 78 42	Furniture factories.....	148
× 78 43	Piano and organ factories.....	149
× 78 44	Saw and planing mills <sup>3</sup> .....	149
× 78 45	Other woodworking factories.....	149
	Paper, printing, and allied industries.....	150
× 78 46	Blank book, envelope, tag, paper bag, etc., factories.....	150
× 78 47	Paper and pulp mills.....	150
× 78 48	Paper box factories.....	150
× 78 49	Printing, publishing, and engraving.....	150
	Textile industries.....	150
× 78 5V	Cotton mills.....	150
× 78 50	Knitting mills.....	150
× 78 51	Silk mills.....	151
× 78 52	Textile dyeing, finishing, and printing mills.....	151
× 78 53	Woolen and worsted mills.....	151
	Other textile mills.....	151
× 78 54	Carpet mills.....	151
× 78 55	Hemp, jute, and linen mills.....	151
× 78 56	Lace and embroidery mills.....	151
× 78 57	Rope and cordage factories.....	152
× 78 58	Sail, awning, and tent factories.....	152
× 78 59	Other and not specified textile mills.....	152
	Miscellaneous manufacturing industries.....	152
× 78 60	Broom and brush factories.....	152
× 78 61	Button factories.....	152
× 78 62	Electric light and power plants.....	152
× 78 63	Electrical machinery and supply factories.....	152
× 78 65	Rubber factories.....	152
× 78 66	Straw factories.....	152
× 78 67	Turpentine farms and distilleries.....	153
× 78 68	Other miscellaneous manufacturing industries.....	153
× 78 69	Other not specified manufacturing industries.....	154

<sup>2</sup> Not otherwise specified.<sup>3</sup> Includes box factories (wood).

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>TRANSPORTATION AND COMMUNICATION</b>		
Water transportation (selected occupations):		
× 83 80	Boatmen, canal men, and lock keepers.....	154
× 86 80	Captains, masters, mates, and pilots.....	154
× 88 80	Longshoremen and stevedores.....	154
× 89 80	Sailors and deck hands.....	155
Road and street transportation (selected occupations):		
86 8V	Bus conductors.....	155
39 Ind	Chauffeurs.....	155
× 4V Ind	Draymen, teamsters, and carriage drivers <sup>9</sup> .....	155
4X Ind	Motor truck and tractor drivers.....	156
Garage owners, managers, and officials.....		
72 73	Garage owners and proprietors.....	156
73 73	Garage managers and officials.....	156
Garage laborers.....		
78 73	Hostlers and stable hands.....	156
78 74	Hostlers and stable hands.....	156
× 78 8V	Laborers, truck, transfer, and cab companies.....	156
Laborers, road and street.....		
× 78 71	Road, street, etc., building and repairing.....	156
× 81 71	Street cleaning.....	157
Owners and managers, truck, transfer, and cab companies.....		
72 8V	Owners and proprietors.....	157
73 8V	Managers and officials.....	157
Railroad transportation (selected occupations):		
Baggagemen and freight agents.....		
80 77	Baggagemen, steam railroad.....	157
80 78	Baggagemen, street railroad.....	157
83 77	Freight agents, steam railroad.....	157
83 78	Freight agents, street railroad.....	157
Boiler washers and engine hostlers.....		
× 85 77	Boiler washers and engine hostlers.....	157
× 86 77	Brakemen (steam railroad).....	158
87 77	Conductors (steam railroad).....	158
× 87 78	Conductors (street railroad).....	158
Foremen and overseers.....		
× 74 77	Steam railroad.....	158
× 74 78	Street railroad.....	158
Laborers (includes construction laborers).....		
× 78 77	Steam railroad.....	158
× 78 78	Street railroad.....	159
Locomotive engineers.....		
89 77	Locomotive engineers.....	159
90 77	Locomotive firemen.....	159
Motormen.....		
93 77	Steam railroad.....	160
93 78	Street railroad.....	160
Officials and superintendents.....		
× 73 77	Steam railroad.....	160
× 73 78	Street railroad.....	160

Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; drivers for bakeries and stores are classified as deliverymen in trade; and drivers for laundries are classified as deliverymen in domestic and personal service.

## OCCUPATION CLASSIFICATION

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
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	Railroad transportation (selected occupations)—Continued.	
	Switchmen, flagmen, and yardmen.....	160
x96 77	Switchmen and flagmen (steam railroad).....	160
x96 78	Switchmen and flagmen (street railroad).....	160
x98 77	Yardmen (steam railroad).....	160
	Ticket and station agents.....	161
99 77	Steam railroad.....	161
99 78	Street railroad.....	161
	Express, post, radio, telegraph, and telephone (selected occupations):	
86 72	Agents (express companies).....	161
	Express messengers and railway mail clerks.....	161
82 72	Express messengers.....	161
86 76	Railway mail clerks.....	161
x88 76	Mail carriers.....	161
99 76	Postmasters.....	161
96 6V	Radio operators.....	161
86 79	Telegraph and telephone linemen.....	161
84 79	Telegraph messengers.....	162
x89 79	Telegraph operators.....	162
99 79	Telephone operators.....	162
	Other transportation and communication pursuits:	
	Apprentices.....	163
40 77	Steam railroad.....	163
40 79	Telegraph and telephone.....	163
40 Ind	Other transportation and communication.....	163
80 70	Aviators.....	163
	Foremen and overseers (n. o. s. <sup>2</sup> ).....	163
74 70	Air transportation.....	163
74 73	Garages, automobile laundries, greasing stations.....	163
74 71	Road, street, etc., building and repairing.....	163
74 79	Telegraph and telephone.....	163
74 Ind	Other transportation and communication.....	164
	Inspectors.....	164
x75 77	Steam railroad.....	164
75 78	Street railroad.....	164
x75 79	Telegraph and telephone.....	164
x75 Ind	Other transportation and communication.....	164
	Laborers (n. o. s. <sup>2</sup> ).....	164
78 70	Air transportation.....	164
x 78 72	Express companies.....	165
y 78 75	Pipe lines.....	165
x 78 79	Telegraph and telephone.....	165
78 80	Water transportation <sup>10</sup> .....	165
78 Ind	Other transportation and communication.....	165

<sup>1</sup>Not otherwise specified.<sup>10</sup>Most of these are constructing canals, docks, harbors, etc.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
	<b>TRANSPORTATION AND COMMUNICATION—Contd.</b>	
	Other transportation and communication pursuits—Contd.	
	Proprietors, managers, and officials (n. o. s. <sup>2</sup> )-----	165
72 70	Proprietors, air transportation-----	165
73 70	Managers and officials, air transportation-----	165
72 79	Proprietors, telegraph and telephone-----	165
73 79	Managers and officials, telegraph and telephone-----	165
72 Ind	Proprietors, other transportation and communication-----	165
73 Ind	Managers and officials, other transportation and communication-----	166
	Other occupations-----	166
× 77 71	Road, street, etc., building and repairing-----	166
× 77 77	Steam railroad-----	166
× 77 78	Street railroad-----	166
× 77 Ind	Other transportation and communication-----	167
	<b>TRADE</b>	
× 41 Ind	Advertising agents-----	167
80 90	Apprentices, wholesale and retail trade-----	168
	Bankers, brokers, and money lenders-----	168
85 83	Bankers and bank officials-----	168
86 83	Commercial brokers and commission men-----	168
87 83	Loan brokers and pawnbrokers-----	168
× 89 83	Stock brokers-----	168
× 99 83	Brokers not specified and promoters-----	169
83 90	"Clerks" in stores <sup>11</sup> -----	169
× 42 Ind	Commercial travelers-----	169
85 90	Decorators, drapers, and window dressers-----	169
	Deliverymen-----	169
86 11	Bakeries-----	169
× 86 90	Stores-----	169
	Floorwalkers, foremen, and overseers-----	169
× 74 90	Floorwalkers and foremen in stores-----	169
74 Ind	Foremen, warehouses, stockyards, etc-----	170
× 75 Ind	Inspectors, gaugers, and samplers-----	170
	Insurance agents, managers, and officials-----	170
× 88 85	Insurance agents-----	170
73 85	Managers and officials, insurance companies-----	171
	Laborers in coal and lumber yards, warehouses, etc-----	171
78 91	Coal yards and lumber yards-----	171
× 78 84	Grain elevators-----	171
78 87	Stockyards-----	171
× 78 88	Warehouses-----	171
78 Ind	Other and not specified trade-----	171
	Laborers, porters, and helpers in stores <sup>12</sup> -----	171
× 78 89	Automobile stores and filling stations-----	171
× 78 90	Other stores-----	171
88 90	Newsboys-----	172

<sup>2</sup>Not otherwise specified.<sup>11</sup>Includes only persons specifically returned as "clerks" in stores. Many of these probably are "salesmen and saleswomen."<sup>12</sup>Laborers, porters, and helpers in stores to be tabulated as a single group.

## OCCUPATION CLASSIFICATION

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>TRADE—Continued</b>		
	Proprietors, managers, and officials (n. o. s. <sup>2</sup> )-----	172
89 90	Employment office keepers-----	172
72 82	Proprietors, advertising agencies-----	172
73 82	Managers and officials, advertising agencies-----	172
72 84	Proprietors, grain elevators-----	172
73 84	Managers and officials, grain elevators-----	172
73 87	Managers and officials, stockyards-----	172
72 88	Proprietors, warehouses-----	172
73 88	Managers and officials, warehouses-----	172
72 92	Proprietors, other and not specified trade-----	172
73 92	Managers and officials, other and not specified trade-----	172
	Real estate agents and officials-----	173
73 86	Managers and officials, real estate companies-----	173
×82 86	Real estate agents-----	173
	Retail dealers <sup>18</sup> -----	173
82 89	Automobiles and accessories-----	173
×8V 91	Books, music, news, and stationery-----	173
8X 91	Buyers and shippers of live stock and other farm products-----	173
80 91	Candy and confectionery-----	174
81 91	Cigars and tobacco-----	174
82 91	Coal and wood-----	174
83 91	Department stores-----	174
×84 91	Dry goods, clothing, boots and shoes-----	174
×85 91	Drugs and medicines, including druggists and pharmacists-----	174
86 91	Five and ten cent and variety stores-----	175
87 91	Flour and feed-----	175
×88 91	Food (except groceries and hucksters' goods)-----	175
89 91	Furniture, carpets, and rugs-----	175
89 89	Gasoline and oil filling stations-----	175
9V 91	General stores-----	175
9X 91	Groceries-----	175
90 91	Hardware, implements, and wagons-----	176
91 91	Hucksters and peddlers-----	176
92 91	Ice-----	176
93 91	Jewelry-----	176
94 91	Junk and rags-----	176
95 91	Lumber-----	176
×96 91	Opticians-----	176
×97 91	Other specified dealers-----	176
98 91	Not specified dealers-----	177
	Salesmen and saleswomen-----	177
×93 90	Auctioneers-----	177
43 Ind	Canvassers-----	177
95 90	Demonstrators-----	178
×44 Ind	Sales agents-----	178
×45 Ind	Salesmen and saleswomen-----	178
96 90	Undertakers-----	178
99 91	Wholesale dealers, importers, and exporters-----	178
	Other pursuits in trade-----	179
×77 82	Advertising agencies-----	179
77 84	Grain elevators-----	179
77 87	Stockyards-----	179
77 88	Warehouses and cold storage plants-----	179

<sup>1</sup>Not otherwise specified.<sup>18</sup>Includes, also, managers and superintendents of retail stores.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
	<b>TRADE—Continued</b>	
	Other pursuits in trade—Continued.	
	Wholesale and retail trade (except automobile):	
98 90	Fruit graders and packers.....	179
99 90	Meat cutters.....	179
×77 90	Other occupations.....	179
77 Ind	Other trade industries.....	179
	<b>PUBLIC SERVICE (not elsewhere classified)</b>	
80 93	Firemen (fire department).....	179
46 Ind	Guards, watchmen, and doorkeepers.....	180
	Laborers (public service).....	180
83 93	Garbage men and scavengers.....	180
×78 93	Other laborers.....	180
	Marshals, sheriffs, detectives, etc.....	180
85 93	Detectives.....	180
86 93	Marshals and constables.....	180
88 93	Probation and truant officers.....	180
×89 93	Sheriffs.....	180
	Officials and inspectors (city and county).....	181
×90 93	Officials and inspectors (city).....	181
93 93	Officials and inspectors (county).....	181
	Officials and inspectors (State and United States).....	182
×95 93	Officials and inspectors (State).....	182
×96 93	Officials and inspectors (United States).....	182
47 Ind	Policemen.....	183
×98 93	Soldiers, sailors, and marines.....	183
×99 93	Other public service pursuits.....	184
	<b>PROFESSIONAL SERVICE</b>	
	Actors and showmen.....	185
80 7V	Actors.....	185
×81 7V	Showmen.....	185
82 94	Architects.....	185
×83 94	Artists, sculptors, and teachers of art.....	185
	Authors, editors, and reporters.....	186
84 94	Authors.....	186
85 94	Editors and reporters.....	186
48 Ind	Chemists, assayers, and metallurgists.....	186
*86 94	Clergymen.....	186
87 94	College presidents and professors.....	186
88 94	Dentists.....	186
	Designers, draftsmen, and inventors.....	186
49 Ind	Designers.....	186
5V Ind	Draftsmen.....	186
89 94	Inventors.....	187
*5X Ind	Lawyers, judges, and justices.....	187
82 7V	Musicians and teachers of music.....	187
91 94	Osteopaths.....	187
×50 Ind	Photographers.....	187
92 94	Physicians and surgeons.....	187

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>PROFESSIONAL SERVICE—Continued</b>		
	Teachers.....	188
93 94	Teachers (athletics, dancing, etc.).....	188
94 94	Teachers (school).....	188
	Technical engineers.....	188
× 51 Ind	Civil engineers and surveyors.....	188
52 Ind	Electrical engineers.....	189
× 53 Ind	Mechanical engineers <sup>14</sup> .....	189
54 Ind	Mining engineers <sup>15</sup> .....	189
55 Ind	Trained nurses.....	189
95 94	Veterinary surgeons.....	190
	Other professional pursuits.....	190
× 96 94	County agents, farm demonstrators, etc.....	190
× 97 94	Librarians.....	190
× 56 Ind	Social and welfare workers.....	190
× 99 94	Other occupations.....	191
	Semiprofessional and recreational pursuits.....	191
× 80 95	Abstracters, notaries, and justices of peace.....	191
57 Ind	Architects', designers', and draftsmen's apprentices.....	191
82 95	Apprentices to other professional persons.....	191
83 7V	Billiard room, dance hall, skating rink, etc., keepers.....	191
83 95	Chiropractors.....	192
× 84 7V	Directors, managers, and officials, motion picture production.....	192
84 95	Healers (not elsewhere classified).....	192
× 85 95	Keepers of charitable and penal institutions.....	192
85 7V	Keepers of pleasure resorts, race tracks, etc.....	192
87 95	Officials of lodges, societies, etc.....	192
× 86 7V	Radio announcers, directors, managers, and officials.....	193
88 95	Religious workers.....	193
89 95	Technicians and laboratory assistants.....	193
87 7V	Theatrical owners, managers, and officials.....	193
× 91 95	Other semiprofessional occupations.....	193
× 91 7V	Other recreational occupations.....	194
	Attendants and helpers (professional service).....	194
92 7V	Attendants, pool rooms, bowling alleys, golf clubs, etc.....	194
× 92 95	Dentists' assistants and attendants.....	194
× 77 7V	Helpers, motion picture production.....	194
78 94	Laborers (professional service).....	194
78 7V	Laborers, recreation and amusement.....	194
× 93 95	Librarians' assistants and attendants.....	194
95 95	Physicians' and surgeons' attendants.....	194
× 96 7V	Stage hands and circus helpers.....	194
97 7V	Theater ushers.....	195
	Other attendants and helpers.....	195
× 99 95	Professional service.....	195
× 99 7V	Recreation and amusement.....	195
<b>DOMESTIC AND PERSONAL SERVICE</b>		
× 80 96	Barbers, hairdressers, and manicurists.....	195
× 82 9V	Boarding and lodging house keepers.....	195
83 96	Bootblacks.....	195
× 58 Ind	Charwomen and cleaners.....	195

<sup>14</sup> Includes, also, all technical engineers not elsewhere classified.<sup>15</sup> Includes, also, chemical and metallurgical engineers.

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>DOMESTIC AND PERSONAL SERVICE—Continued</b>		
	Cleaning, dyeing, and pressing shop workers.....	196
72 98	Owners and proprietors.....	196
73 98	Managers and officials.....	196
74 98	Foremen and overseers.....	196
78 98	Laborers.....	196
77 98	Other operatives.....	196
59 Ind	Elevator tenders.....	196
84 9V	Hotel keepers and managers.....	196
×6V Ind	Housekeepers and stewards.....	196
×6X Ind	Janitors and sextons.....	197
	Laborers (domestic and personal service).....	197
78 9V	Hotels, restaurants, boarding houses, etc.....	197
×73 96	Other domestic and personal service.....	197
	Launderers and laundresses (not in laundry).....	197
85 9V	Hotels, restaurants, boarding houses, etc.....	197
×85 96	Other domestic and personal service.....	197
	Laundry owners, managers, and officials.....	197
72 97	Owners and proprietors.....	197
×73 97	Managers and officials.....	197
	Laundry operatives.....	197
86 97	Deliverymen.....	197
74 97	Foremen and overseers.....	197
×78 97	Laborers.....	197
77 97	Other operatives.....	197
	Midwives and nurses (not trained).....	198
86 96	Midwives.....	198
87 96	Nurses (not trained).....	198
	Porters (except in stores).....	198
79 9V	Hotels, restaurants, boarding houses, etc.....	198
×79 96	Other domestic and personal service.....	198
79 94	Professional service.....	198
×79 77	Steam railroad.....	198
79 Ind	Other porters (except in stores).....	198
88 9V	Restaurant, café, and lunch room keepers.....	198
	Servants.....	198
×60 Ind	Cooks.....	198
	Other servants.....	199
×95 9V	Hotels, restaurants, boarding houses, etc.....	199
×95 96	Other domestic and personal service.....	199
×61 Ind	Waiters.....	200
	Other pursuits.....	200
×97 96	Cemetery keepers.....	200
×98 96	Hunters, trappers, and guides.....	200
×99 96	Other occupations.....	200
<b>CLERICAL OCCUPATIONS</b>		
	Agents, collectors, and credit men.....	200
×62 Ind	Agents (not elsewhere classified).....	200
×63 Ind	Collectors.....	202
64 Ind	Credit men.....	202
65 Ind	Purchasing agents (except for railroads).....	202

Symbol	OCCUPATION AND OCCUPATION GROUP	Page
<b>CLERICAL OCCUPATIONS—Continued</b>		
66 Ind	Bookkeepers, cashiers, and accountants-----	202
x67 Ind	Accountants and auditors-----	202
	Bookkeepers and cashiers-----	202
x 68 Ind	Clerks (except "clerks" in stores)-----	202
69 Ind	Office appliance operators-----	202
x 7V Ind	Shipping clerks-----	202
x 7X Ind	Weighers-----	202
	Other clerks-----	203
x 70 Ind	Messenger, errand, and office boys and girls <sup>16</sup> -----	205
71 Ind	Stenographers and typists-----	205

<sup>16</sup> Except telegraph messengers.