

UNITED STATES DEPARTMENT OF LABOR
L. B. Schwellenbach, *Secretary*
BUREAU OF LABOR STATISTICS
Ewan Clague, *Commissioner*

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Work Injuries in the United States During 1945



Bulletin No. 889

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Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,
BUREAU OF LABOR STATISTICS,
Washington, D. C., September 23, 1946.

THE SECRETARY OF LABOR:

I have the honor to transmit herewith a report on work injuries in the United States during 1945. This information is based on reports from over 51,000 establishments.

This bulletin, a portion of which appeared in the September 1946 Monthly Labor Review, was prepared by Max D. Kossoris, chief of the Bureau's Division of Industrial Hazards.

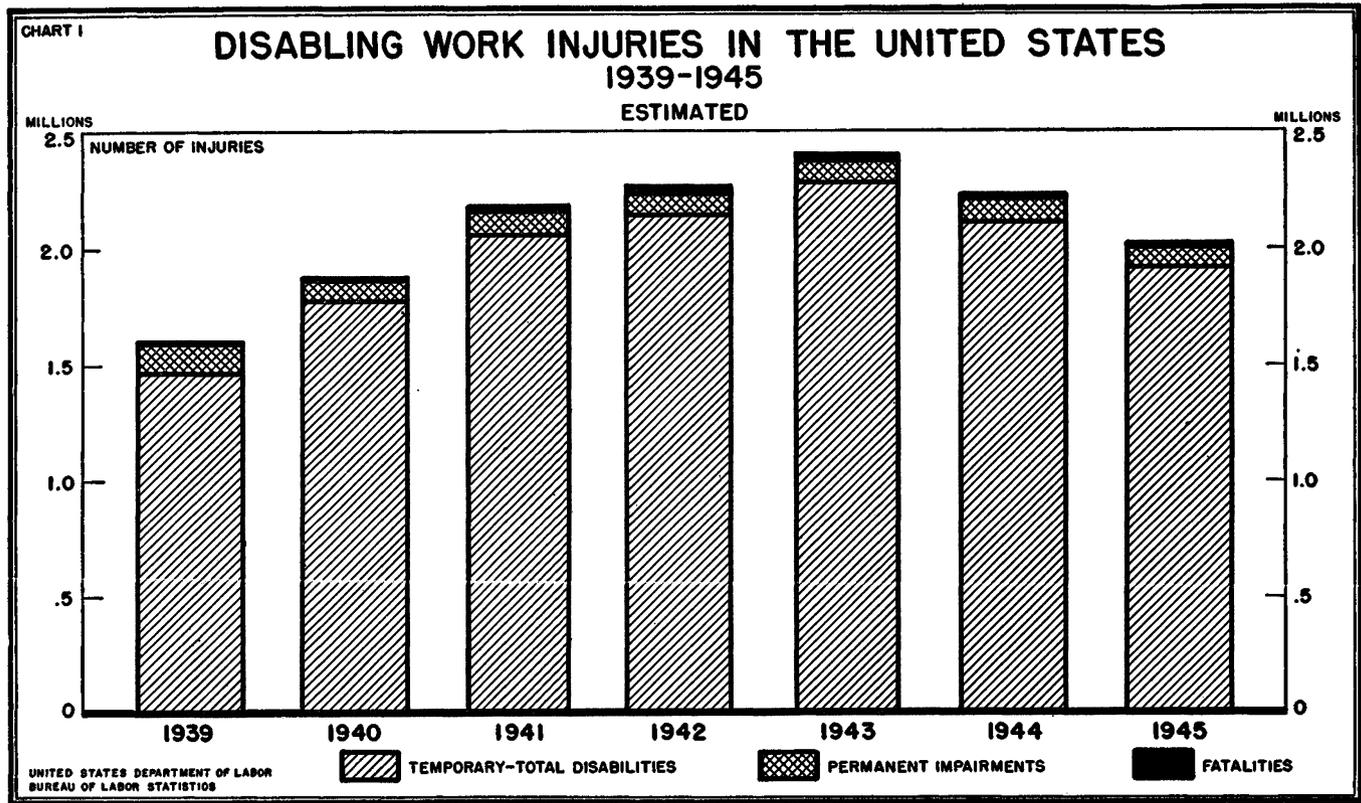
EWAN CLAGUE, *Commissioner.*

HON. L. B. SCHWELLENBACH,
Secretary of Labor.

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(II)



*Bulletin No. 889 of the
United States Bureau of Labor Statistics*

[Reprinted from the MONTHLY LABOR REVIEW, September 1946, with additional data]

Work Injuries in the United States During 1945

Summary

More than 2 million work injuries occurred during 1945. This figure is about 9½ percent below that for 1944 and marks the lowest point since 1940.

The total actual time loss caused by disabling work injuries during 1945, is estimated at about 45,600,000 man-days, or the equivalent of full-time employment for about 152,000 workers for 1 year. This figure makes no allowance for the future economic losses occasioned by deaths and permanent impairments. If standard time charges are allowed for these types of work injuries, the total economic loss caused by work injuries during 1945 comes to 231,264,000 days, or the full-time annual employment of about 771,000 workers.

The number of work fatalities during 1945 remained essentially unchanged from the 1944 level. The estimate is 16,000. Another 1,800 workers were estimated to have been permanently and totally disabled for industrial employment. About 88,100 workers suffered lesser permanent impairments which will not disable them from continuing in industrial employment, but many of which may require retraining or changes in jobs. Fully 75 percent of these impairments involved a hand or fingers. Most of the work injuries, nearly 1,914,000, resulted in temporary total disabilities. The duration of such disabilities in manufacturing averaged 19 days.

Although the over-all number of work injuries in manufacturing decreased substantially from the 1944 level, the incidence of such injuries, as measured by the frequency rate, remained almost unchanged. Against an average of 18.4 disabling injuries per million employee-hours in 1944, the 1945 average was 18.6.

Nevertheless, in most manufacturing industries frequency rates were below the 1944 levels. Out of 118 industries for which comparable data were available, only 17 showed increases of more than 1 point in the frequency rate. In 70 others the trend was downward, and in the remainder the change was insignificant. Of 43 nonmanu-

facturing industries, 12 showed increases, 7 decreases, and 22 others indicated little change.

Industries outstanding for their high frequency rates were logging, stevedoring, sawmills, iron foundries, veneer and plywood mills, breweries, structural clay products, wooden containers, trucking and hauling, warehousing and storage, and highway and building construction.

Estimates of Disabling Work Injuries

Continuing the downward trend from the peak wartime level of 1943, the total of 1945 injuries was lower than that for 1944. The reduction from the 1944 figure of 2,230,400 to the 1945 total of 2,019,800 amounts to about 9½ percent. The 1945 figure is lower than that for any year since 1940, but is still slightly above the total for that prewar year.

Much of the reduction during 1945 was due to the shift away from war work, a general shortening of the workweek, plant shut-downs for the purpose of reconversion or because of strikes, and a shift to a more normal type of work force. There is evidence, however, that many establishments are giving up entirely or are curtailing the safety work initiated during the war.

Estimated Number of Disabling Injuries During 1945, by Industry Group

[Difference between total number of injuries and injuries to employees represents injuries to self-employed workers]

Industry group	All disabilities		Fatalities		Permanent total disabilities		Permanent partial disabilities		Temporary total disabilities	
	Total	To employees	Total	To employees	Total	To employees	Total	To employees	Total	To employees
All groups.....	2,019,800	1,600,900	16,000	11,300	1,800	1,500	88,100	70,100	1,913,900	1,518,000
Agriculture ¹	305,600	71,600	4,500	1,100	400	100	15,300	3,500	285,400	66,900
Mining and quarrying ²	82,100	77,600	1,500	1,400	200	200	3,600	3,400	76,800	72,600
Construction ³	112,200	72,700	1,700	1,200	100	100	3,400	2,200	107,000	69,200
Manufacturing ⁴	591,600	581,600	2,700	2,600	300	300	30,700	30,200	557,900	548,500
Public utilities.....	20,300	20,300	400	400	(⁵)	(⁵)	600	600	19,300	19,300
Trade ⁶	296,000	236,800	800	600	100	100	7,100	5,700	288,000	230,400
Railroads ⁶	94,100	94,100	1,100	1,100	400	400	6,500	6,500	86,100	86,100
Miscellaneous transportation ²	139,900	120,100	1,000	800	100	100	4,200	3,600	134,600	115,600
Services, government, and miscellaneous industries ²	378,000	326,100	2,300	2,100	200	200	16,700	14,400	358,800	309,400

¹ Based on fragmentary data.

² Based largely on Bureau of Mines data.

³ Based on small sample studies.

⁴ Based on comprehensive survey.

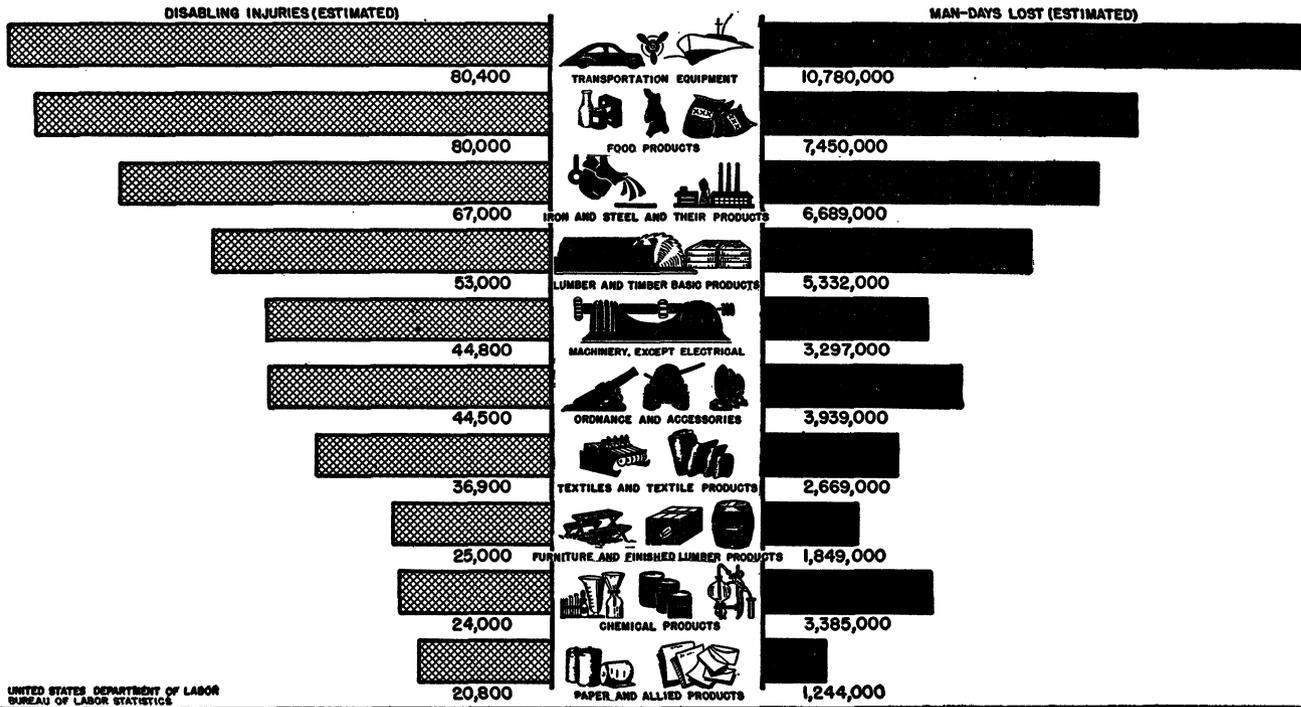
⁵ Less than 50.

⁶ Based on Interstate Commerce Commission data.

The estimated total of 16,000 fatalities resulting from work injuries is only 100 above that for 1944 (15,900). There is a similar difference

CHART 2

MANUFACTURING INDUSTRIES EXPERIENCING MORE THAN 20,000 INDUSTRIAL INJURIES IN 1945



UNITED STATES DEPARTMENT OF LABOR
BUREAU OF LABOR STATISTICS

in the number of permanent total disabilities, estimated at 1,800 in 1945. But both permanent partial and temporary total disabilities are down considerably from the corresponding 1944 levels. The 1945 total of 88,100 permanent partial disabilities is about 7 percent below 1944, and the number of 1,913,000 temporary total disabilities is about 10 percent lower.

The major industry group with the greatest number of disabling work injuries during 1945 was manufacturing. The total of 591,600, however, was about 25 percent below the 1944 level of 786,900. In 1945, 2,700 manufacturing injuries resulted fatally, 31,000 were permanent impairments (of which 300 were permanent total disabilities), and the remainder, 557,900, were temporary total disabilities.

As in past years, the available but very meager information for agriculture indicates that this industry suffered the largest number of fatalities, 4,500. The estimated injury total of 305,600, although substantially below that for manufacturing, nevertheless exceeds that for any other major industrial group except the one including miscellaneous industries, government, and services.

The injury experience in mining and quarrying during 1945 was considerably better than in 1944. The total of 82,100 was nearly 11 percent lower than the 1944 total. The number of fatalities similarly declined from about 1,700 in 1944 to about 1,500 in 1945.

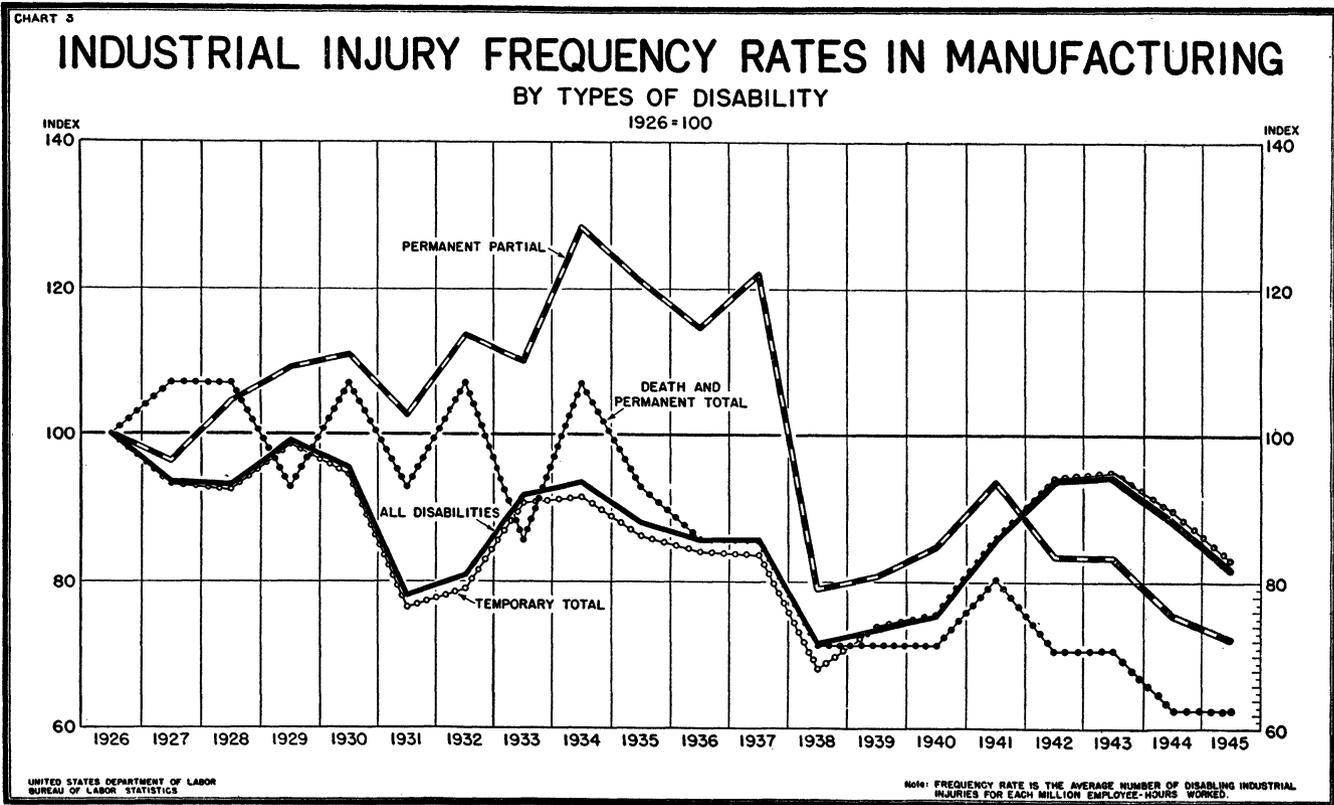
In the large group of services, government, and miscellaneous industries, the injury total dropped appreciably from 419,300 in 1944 to 378,000 in 1945. On the other hand, a small increase was found for railroads, while construction disabilities increased from 99,600 to 112,200, of which 1,700 were fatalities. In the trade group, the total rose from 273,800 to 296,000, and the public utilities group had an increase of 1,000 over its 1944 total of 19,300. The miscellaneous transportation group also registered a small increase, from 135,100 to 139,900.

Injury-Frequency Rates

MANUFACTURING

Although the largest number of manufacturing industries experienced decreases in their injury-frequency rates, the frequency rate for the entire group went up slightly, from 18.4 in 1944 to 18.6 in 1945. Out of 118 identical manufacturing industries covered in the surveys of both years, 70 had decreases of 1 or more frequency points, and only 17 had increases. In 31 others the change was negligible.

For the entire group, nearly 36,000 establishments with more than 9 million workers reported their injury experiences to the Bureau. Of the total of more than 350,000 reported injuries, 0.5 percent ended fatally or in permanent total disability, 5.2 percent resulted in perma-



nent partial impairments, and the greatest proportion, 94.3 percent, in temporary total disability. The average time charge per permanent partial impairment was 968 days, and the average duration of temporary total disabilities was 19 days. Both of these averages are above the 1944 figures. Particularly significant is the increase in the average duration of temporary total disability, from 17 to 19 days.

As in past years, the logging industry led all other manufacturing industries with a rate of 92.0—an appreciable increase over the 1944 rate of 85.4. Second, but still far ahead of other manufacturing industries, were sawmills, with a rate of 56.6—only slightly worse than the 1944 rate of 55.6. Iron foundries had a rate of 44.8, and veneer mills, of 44.6; rates for each of these industries were computed for the first time in this survey. The rate for breweries declined from 46.2 to 43.5, but still ranked sixth highest among manufacturing industries. The average number of disabling injuries per million employee-hours worked declined sharply in the wooden container industry, from 47.1 to 41.1, but still remained one of the highest in the group.

The explosives industry, usually regarded as extremely hazardous, had the lowest frequency rate among manufacturing industries in 1945—3.6. When accidents did occur, however, they were very serious—7.4 percent resulted in death or permanent total disability, and 12.0 percent in permanent partial impairments. The average duration of temporary total disabilities was 49 days.

Similarly low frequency rates were found for the millinery industry (4.0), bookbinding (4.2), the manufacture of women's and children's clothes (4.6), and electric light bulbs (5.1).

NONMANUFACTURING

Stevedoring operations outranked every other industry in this group with a frequency rate of 87.6, only slightly below the 1944 rate of 88.1. It is very likely, however, that both of these rates fall considerably short of the true frequency rate for this industry.

Trucking and hauling, with less than half the stevedoring rate, ranked second highest in this group with a rate of 37.5, a slight improvement over the 1944 rate of 38.3. A slight rate decrease was experienced also by highway construction, from 36.0 to 35.8. A more sizable decrease in rate was found for the warehousing and storage industry, from 37.5 to 34.3. The 1945 rate for building construction, 30.9, was almost the same as the 1944 rate, 30.6.

Each of the five industries with the lowest frequency rates in non-manufacturing had a rate less than the lowest rate experienced by any of the manufacturing industries. Thus, the rate for radio

broadcasting was 1.7; apparel retailing, 2.2; insurance 2.8; and for banks and telephone, 3.0, respectively.

Whereas most of the manufacturing industries registered frequency-rate decreases, the trend among nonmanufacturing industries was more evenly divided. Out of 43 identical classifications, 12 had higher rates in 1945 than in 1944, 7 had lower rates, and 22 showed little difference.

Appendix Tables

Injury-frequency rates for a large number of individual industries in both manufacturing and nonmanufacturing are shown in table A. Group frequency rates were arrived at by weighting individual industry rates according to the total employment in each.

A considerable number of new industries are shown for the 1945 survey. As the reporting group for a given industry becomes sufficiently large, the industry is taken out of the miscellaneous group. Thus, the single industry "electrical equipment and supplies" in the 1944 survey is shown as seven separate industries in the 1945 survey. The number of industries shown in table A is the largest ever covered in any of these surveys.

Other tables continue for 1945 the type of data shown in earlier years: changes in employment, exposure, and injuries; total injury estimates for individual industries; the distribution of permanent impairments according to body parts affected; and the trend data for the chart shown on page 5.

TABLE A.—Injury Rates and Injuries, by Extent of Disability, 1945

[All reporting establishments]

Industry	Number of establishments	Number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost per disability 1		Injury rates 2	
					Death and permanent total disability 3	Permanent partial disability	Temporary total disability	Permanent partial disability	Temporary total disability	Frequency	Severity 1
All industries.....	51,377	10,619,853	23,411,578	403,050							
<i>Manufacturing</i>											
Total manufacturing.....	35,764	9,103,747	20,101,787	352,457	0.5	5.2	94.3	968	19	418.6	41.6
Apparel and other finished textile products.....	1,772	201,939	397,404	3,641	.2	2.9	96.9	1,616	13	411.5	40.8
Clothing, men's and boys'.....	702	105,049	206,317	1,741		1.8	98.2	2,488	11	8.4	.4
Clothing, women's and children's.....	681	51,121	95,546	441		3.4	96.6	1,279	11	4.6	.2
Millinery.....	45	1,989	3,963	16	(5)	(5)	(5)		19	4.0	.1
Apparel and accessories, not elsewhere classified	42	6,486	13,518	85	(5)	(5)	(5)	600	11	6.3	.2
Trimmings and fabricated textile products, not elsewhere classified.....	299	37,294	78,058	1,358	.4	4.1	95.5	1,426	16	17.4	1.4
Chemicals and allied products.....	2,158	397,725	1,182,678	15,065	1.1	4.7	94.2	1,208	19	413.5	41.8
Compressed and liquefied gases.....	52	2,553	5,205	92	(5)	(5)	(5)		5	17.7	(5)
Drugs, toiletries, and insecticides.....	318	53,447	117,369	1,751	.2	2.8	97.0	581	21	14.9	.6
Explosives.....	104	70,294	148,602	540	7.4	12.0	80.6	760	49	3.6	2.1
Fertilizers.....	288	16,973	37,022	1,240	.9	2.3	96.8	1,828	16	33.5	3.7
Industrial chemicals.....	435	102,350	234,895	3,763	.9	5.4	93.7	1,231	17	16.0	2.3
Paints, varnishes, and colors.....	389	32,770	75,208	1,323	.4	1.7	97.9	992	14	17.6	1.0
Paving and roofing materials.....	14	3,109	7,291	105	(5)	(5)	(5)	1,600	29	14.4	1.9
Petroleum refining 1.....	100	(8)	300,325	3,327	1.2	4.6	94.2	(8)	(8)	11.1	(8)
Plastic materials, except rubber.....	32	11,471	26,315	251	(5)	(5)	(5)	1,394	8	9.5	6.5
Soap and glycerin.....	143	17,942	39,922	464		5.6	94.4	914	16	11.6	1.1
Synthetic rubber.....	9	1,935	4,544	30	(5)	(5)	(5)	300	28	6.6	.2
Synthetic textile fibers.....	31	52,365	112,009	995		5.6	94.4	1,310	22	8.9	1.3
Vegetable and animal oils.....	29	3,005	6,974	163	(5)	(5)	(5)	2,440	12	23.4	3.8
Not elsewhere classified.....	214	29,511	66,990	1,021	.3	10.8	88.9	1,087	27	15.2	2.5
Electrical machinery, equipment, and supplies.....	1,328	758,439	1,636,200	14,797	.2	7.0	92.8	913	17	49.2	4.9
Automotive electrical equipment.....	41	27,359	61,367	838		5.1	94.9	711	14	13.7	.6
Batteries.....	49	24,851	48,285	1,055		8.3	91.7	1,068	17	21.8	2.5
Communication and signaling equipment, except radio.....	62	93,976	209,379	1,341		4.5	95.5	664	12	6.4	.4
Electrical appliances.....	57	5,952	12,595	193	(5)	(5)	(5)	570	19	15.3	2.4
Electrical equipment for industrial use.....	633	366,022	789,509	7,389	.2	8.0	91.8	844	18	9.4	1.0

∞

Electrical lamps (bulbs).....	29	12, 031	24, 916
Insulated wire and cable.....	49	19, 419	42, 062
Radios and phonographs.....	360	188, 583	407, 528
Not elsewhere classified.....	48	20, 246	40, 554
Food products.....	3, 851	495, 857	1, 090, 147
Baking.....	599	54, 666	127, 809
Beverages, not elsewhere classified.....	251	7, 274	15, 814
Breweries.....	295	55, 908	125, 628
Canning and preserving.....	366	61, 918	111, 329
Confectionery.....	211	38, 899	80, 598
Dairy products.....	287	18, 003	42, 109
Distilleries.....	111	26, 581	56, 272
Flour, feed, and grain-mill products.....	519	45, 634	111, 759
Slaughtering and meat packing.....	915	136, 146	313, 408
Sugar refining.....	95	25, 087	52, 181
Not elsewhere classified.....	202	25, 841	53, 232
Furniture and finished lumber products.....	2, 579	176, 600	378, 985
Furniture, metal.....	55	11, 100	25, 508
Furniture, except metal.....	794	64, 552	139, 627
Mattresses and bedsprings.....	218	10, 210	20, 738
Morticians' supplies.....	34	2, 102	4, 706
Office, store, and restaurant fixtures.....	100	6, 750	12, 913
Wooden containers.....	974	54, 503	115, 165
Not elsewhere classified.....	404	27, 383	60, 326
Iron and steel and their products.....	5, 043	1, 407, 540	3, 046, 670
Bolts, nuts, washers, and rivets.....	89	17, 822	39, 493
Cold-finished steel.....	35	9, 524	21, 554
Cutlery and edge tools.....	133	20, 201	45, 070
Fabricated structural steel.....	567	47, 455	100, 084
Forgings, iron and steel.....	213	60, 221	127, 668
Foundries, iron.....	854	124, 971	276, 186
Foundries, steel.....	147	67, 146	142, 484
Hardware.....	152	33, 831	68, 271
Heating equipment, not elsewhere classified.....	229	32, 642	71, 455
Iron and steel.....	253	580, 149	1, 236, 298
Metal coating and engraving.....	148	11, 494	23, 000
Ornamental metalwork.....	79	4, 554	9, 706
Plate fabrication and boiler-shop products.....	258	33, 597	75, 998
Plumbers' supplies.....	91	25, 583	59, 609
Screw-machine products.....	181	28, 983	66, 342
Sheet-metal work.....	120	10, 326	25, 093
Stamped and pressed metal products, not else- where classified.....	431	80, 588	172, 620
Steam fittings and apparatus.....	190	38, 835	85, 205
Steel barrels, kegs, drums, and packages.....	53	9, 539	21, 807
Steel springs.....	27	8, 707	20, 297
Tin cans and other tinware.....	130	43, 310	95, 500
Tools except edge tools.....	198	26, 652	61, 592

See footnotes at end of table.

126	(^b)	(^b)	(^b)	300	31	5.1	.5
757	.5	3.2	96.3	625	19	18.0	1.5
2,764	.3	5.9	93.8	1,418	16	6.8	.7
334	(^b)	(^b)	(^b)	300	12	8.2	1.2
30,978	.4	4.4	95.2	1,268	14	24.3	1.9
2,375	.1	4.4	95.5	1,164	14	18.6	1.3
362	.6	1.1	98.3	1,750	13	22.9	1.5
5,464	.3	9.2	90.5	1,487	13	43.5	7.3
3,027	.2	1.7	98.1	672	17	27.2	1.1
1,459	-----	2.6	97.4	697	15	18.1	.6
1,394	.5	.7	98.8	480	15	33.1	1.4
962	.8	4.0	95.2	1,542	22	17.1	2.9
3,084	.4	2.3	97.3	1,152	14	27.6	1.8
10,164	.3	3.4	96.3	624	13	32.4	1.8
1,582	.8	2.6	96.6	1,484	16	30.3	3.1
1,105	.5	1.4	98.1	1,311	14	20.8	1.6
12,062	.2	6.1	93.7	783	15	29.7	2.3
542	-----	7.4	92.6	564	15	21.2	1.2
3,841	.1	7.9	92.0	783	14	27.5	2.1
576	.2	3.5	96.3	1,167	9	27.8	1.8
88	(^b)	(^b)	(^b)	750	18	18.7	1.0
340	-----	6.5	93.5	423	20	26.3	1.2
4,736	.4	3.3	96.3	596	17	41.1	3.1
1,939	.4	4.6	95.0	1,160	14	32.1	2.8
62,044	.6	5.4	94.0	802	22	21.6	1.8
855	-----	4.4	95.6	493	17	21.6	.7
484	1.6	9.3	89.1	742	21	22.5	4.4
1,174	.2	4.3	95.5	905	16	26.0	2.0
2,763	.6	4.3	95.1	665	23	27.6	1.2
4,148	.4	4.2	95.4	604	21	32.5	2.2
12,370	.4	2.0	97.6	925	16	44.8	2.6
5,112	.6	1.4	98.0	823	18	35.9	2.5
1,134	-----	7.1	92.9	473	12	16.6	.8
2,418	.4	3.4	96.2	1,175	13	33.8	2.7
10,766	1.8	8.1	90.1	886	43	8.7	1.8
722	-----	2.8	97.2	750	20	31.4	1.4
254	(^b)	(^b)	(^b)	643	13	26.2	2.4
2,495	.2	1.5	98.3	750	14	32.8	1.1
978	.2	4.2	95.6	655	16	16.4	1.2
1,027	-----	11.6	88.4	1,060	14	15.5	2.2
642	-----	8.3	91.7	600	18	25.6	1.7
3,827	.2	10.1	89.7	631	14	22.2	1.9
1,949	.1	2.4	97.5	597	15	22.9	1.0
691	(^b)	(^b)	(^b)	394	18	31.7	1.3
354	(^b)	(^b)	(^b)	1,144	22	17.4	1.0
1,654	-----	8.6	91.4	581	14	17.3	1.0
1,403	-----	6.3	93.7	538	12	22.8	1.1

6

TABLE A.—Injury Rates and Injuries, by Extent of Disability, 1945—Continued

[All reporting establishments]

Industry	Number of establishments	Number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in —			Average days lost per disability ¹		Injury rates ²	
					Death and permanent total disability ³	Permanent partial disability	Temporary total disability	Permanent partial disability	Temporary total disability	Frequency	Severity ¹
<i>Manufacturing—Continued</i>											
Iron and steel and their products—Continued											
Vitreous-enameled products.....	13	1,542	3,011	60	(⁵)	(⁵)	(⁵)	950	12	19.9	1.2
Wire and wire products.....	212	46,613	100,409	2,317	-----	10.6	89.4	1,264	16	23.1	2.8
Wrought pipes, welded and heavy-riveted.....	16	5,467	11,470	225	(⁵)	(⁵)	(⁵)	-----	24	19.6	.3
Not elsewhere classified.....	224	37,788	86,345	2,222	0.2	6.1	93.7	951	14	25.7	2.0
Leather and leather products.....	686	161,815	356,124	5,126	.3	3.9	95.8	1,051	16	⁴ 13.8	⁴ 9.9
Boots and shoes, not rubber.....	427	121,231	267,437	2,890	-----	5.7	94.3	774	12	10.8	.4
Leather.....	154	31,381	69,792	1,980	.4	2.4	97.2	1,457	19	28.4	2.2
Not elsewhere classified.....	105	9,203	18,595	256	.4	7.8	91.8	889	13	13.5	1.4
Lumber and timber basic products.....	2,353	125,175	244,020	12,654	.8	3.3	95.9	1,067	18	⁴ 57.9	⁴ 6.0
Logging.....	286	15,256	30,084	2,769	.9	1.5	97.6	1,612	21	92.0	8.8
Sawmills.....	613	49,257	77,430	4,383	.8	3.6	95.6	914	16	56.6	5.6
Sawmills and planing mills combined.....	108	11,179	21,095	1,109	.5	7.0	92.5	967	20	52.6	6.1
Planing mills.....	922	23,124	50,226	1,854	.4	5.0	94.6	982	19	36.9	2.6
Plywood mills.....	70	12,006	22,163	907	(⁵)	(⁵)	(⁵)	1,164	21	40.9	6.6
Veneer mills.....	67	5,706	12,919	576	.5	4.4	95.1	1,083	15	44.6	4.2
Millwork (structural).....	286	14,647	30,100	1,056	1.0	6.1	92.9	613	15	35.1	4.8
Machinery, except electric.....	3,944	1,028,790	2,984,882	40,682	.4	4.5	95.1	739	17	⁴ 18.6	⁴ 1.1
Agricultural machinery and tractors.....	211	95,241	207,817	4,883	-----	5.4	94.6	773	13	23.5	1.8
Bearings, ball and roller.....	46	29,209	62,217	983	-----	2.8	97.2	641	14	15.8	.4
Commercial and household machinery.....	173	65,628	144,513	2,210	.8	7.9	91.3	766	18	15.3	1.4
Construction and mining machinery.....	294	85,084	189,483	4,908	.3	2.6	97.1	990	17	25.9	1.7
Elevators, escalators, and conveyors.....	47	16,308	29,127	441	(⁵)	(⁵)	(⁵)	525	9	15.1	.2
Engines and turbines.....	90	119,671	262,439	3,247	.2	8.8	91.0	661	19	12.4	1.0
Fabricated pipe and fittings.....	15	1,549	3,324	65	(⁵)	(⁵)	(⁵)	500	12	19.6	2.7
Food-products machinery.....	139	16,978	39,544	823	.4	4.6	95.0	531	15	20.8	1.1
General industrial machinery, not elsewhere classified.....	691	213,560	460,437	8,315	.4	4.4	95.2	693	21	18.1	.9
General machine shops (jobbing and repair).....	476	51,829	118,170	2,134	.2	6.7	93.1	705	16	18.1	1.2
Mechanical measuring and controlling instruments.....	90	30,102	63,786	731	-----	4.2	95.8	382	18	11.5	.5

Mechanical power transmission equipment, except ball and roller bearings.....	99	29, 287	67, 624
Metalworking machinery.....	972	179, 058	416, 132
Pumps and compressors.....	131	26, 500	64, 183
Special industry machinery, not elsewhere classified.....	346	44, 590	104, 341
Textile machinery.....	124	22, 205	51, 738
Nonferrous metals and their products.....	874	152, 171	361, 435
Aluminum and magnesium products.....	30	13, 247	30, 786
Foundries, nonferrous.....	411	41, 861	97, 243
Primary smelting and refining ⁷	87	27, 623	74, 999
Nonferrous basic shapes and forms.....	36	29, 684	71, 926
Watches, clocks, jewelry, and silverware.....	50	13, 944	29, 771
Not elsewhere classified.....	260	25, 812	56, 709
Ordnance and accessories.....	921	489, 032	1, 106, 870
Ammunition, except for small arms.....	467	211, 004	472, 649
Guns and related equipment.....	131	91, 090	209, 418
Sighting and fire-control equipment.....	49	43, 101	105, 599
Small arms.....	86	54, 233	123, 651
Small-arms ammunition.....	26	18, 459	42, 900
Tanks, military.....	23	25, 140	53, 800
Tank components, military.....	76	22, 018	49, 365
Not elsewhere classified.....	63	23, 987	49, 485
Paper and allied products.....	1, 392	267, 275	589, 986
Envelopes.....	74	7, 343	15, 744
Paper boxes and containers.....	602	57, 195	117, 708
Paper.....	348	77, 362	177, 469
Paper and pulp, integrated.....	140	84, 684	189, 524
Pulp.....	30	7, 559	18, 966
Not elsewhere classified.....	198	33, 132	70, 571
Printing and publishing.....	2, 354	166, 761	346, 826
Book and job printing.....	1, 531	77, 280	165, 071
Bookbinding.....	32	1, 937	4, 039
News and periodical.....	791	87, 544	177, 714
Rubber products.....	271	205, 147	439, 144
Rubber boots and shoes.....	28	23, 839	51, 612
Rubber tires and tubes.....	46	109, 804	233, 225
Not elsewhere classified.....	197	71, 504	154, 306
Stone, clay, and glass products.....	1, 344	208, 806	445, 038
Structural clay products.....	419	29, 454	59, 969
Cement ⁷	157	19, 016	43, 855
Concrete, gypsum, and plaster products.....	159	7, 191	16, 402
Cut stone and cut-stone products.....	99	2, 178	4, 636
Glass.....	218	92, 928	192, 177
Pottery and related products.....	137	25, 041	52, 661
Not elsewhere classified.....	155	32, 998	75, 334

See footnotes at end of table.

1,339	(⁵)	(⁵)	(⁵)	450	11	19.8	2.5
6,569	.9	3.7	95.4	765	15	15.8	1.3
1,126	-----	1.6	98.4	525	21	17.5	.5
2,177	.1	5.0	94.9	1,075	14	20.9	1.4
731	.5	1.9	97.6	638	17	14.1	1.1
7,968	.2	7.3	92.5	875	20	20.3	2.6
507	(⁵)	(⁵)	(⁵)	1,031	24	16.5	5.5
2,480	.5	3.0	96.5	638	12	25.5	1.3
1,944	(⁵)	(⁵)	(⁵)	(⁵) 1,075	(⁵) 47	25.9	(⁵) 2.7
1,337	.5	6.4	93.1	300	16	18.6	2.7
268	(⁵)	(⁵)	(⁵)	706	15	9.0	.2
1,432	-----	6.6	93.4			25.3	1.5
17,185	.3	7.5	92.2	679	21	14.7	1.1
9,425	.3	6.3	93.4	670	17	19.9	1.3
2,146	-----	12.2	87.8	766	23	10.2	.8
835	(⁵)	(⁵)	(⁵)	500	37	7.9	.4
1,488	.6	8.3	91.1	700	41	12.0	1.1
375	(⁵)	(⁵)	(⁵)	356	13	8.7	1.4
724	.8	9.7	89.5	454	34	13.5	.9
1,186	(⁵)	(⁵)	(⁵)	623	21	24.0	1.5
1,006	-----	2.3	97.7	970	14	20.3	.8
14,422	.2	4.3	95.5	778	15	23.5	1.3
184	-----	4.9	95.1	383	12	11.7	.4
2,657	.3	7.6	92.1	777	14	22.6	1.7
5,068	.2	3.0	96.8	624	17	28.6	1.2
4,476	.5	1.8	97.7	750	19	23.6	1.2
558	(⁵)	(⁵)	(⁵)	1,975	21	29.4	1.9
1,479	.2	3.5	96.3	827	14	21.0	1.1
2,807	.1	5.2	94.7	1,086	18	7.8	.7
1,404	.1	6.2	93.7	1,102	21	8.5	.8
17	(⁵)	(⁵)	(⁵)	390	6	4.2	.5
1,386	.1	4.0	95.9	1,128	16	7.8	.5
6,596	.2	7.3	92.5	1,046	19	15.6	1.8
644	(⁵)	(⁵)	(⁵)	1,318	19	12.5	1.4
3,150	.3	2.4	97.3	946	21	13.5	.9
2,802	.1	13.0	86.9	1,044	17	18.2	2.8
8,874	.6	2.8	96.6	1,043	17	21.1	1.8
2,509	.5	1.6	97.9	893	15	41.8	2.7
455	(⁵)	(⁵)	(⁵)	(⁵) 690	(⁵) 21	10.4	(⁵) 2.2
443	.8	3.8	95.4	300	11	27.0	.4
128	(⁵)	(⁵)	(⁵)	1,163	19	15.7	1.3
3,012	.4	3.8	95.8	1,083	15	18.5	2.5
974	1.7	2.6	95.7	1,011	17	18.0	2.1
1,353	.6	4.1	95.3				

TABLE A.—Injury Rates and Injuries, by Extent of Disability, 1945—Continued

[All reporting establishments]

Industry	Number of establishments	Number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost per disability 1		Injury rates 2	
					Death and permanent total disability 3	Permanent partial disability	Temporary total disability	Permanent partial disability	Temporary total disability	Frequency	Severity 1
<i>Manufacturing—Continued</i>											
Textile and textile-mill products.....	2, 287	642, 010	1, 329, 665	20, 447	0.3	3.7	96.0	1, 001	18	4 15.6	4 1.3
Carpets, rugs, and other floor coverings.....	50	14, 755	30, 685	391	.5	4.6	94.9	1, 239	30	12.8	1.5
Cordage and twine.....	27	5, 105	11, 297	241	.....	5.6	94.4	963	15	21.3	1.4
Cotton yarn and textiles.....	591	284, 175	587, 959	8, 898	.2	4.2	95.6	966	18	15.1	1.3
Dyeing and finishing textiles.....	382	49, 657	107, 007	2, 101	.4	3.3	96.3	1, 293	21	19.5	1.8
Hats, except cloth and millinery.....	14	4, 845	9, 728	110	(9)	(9)	(9)	300	14	11.3	.2
Knit goods.....	610	104, 793	201, 099	1, 556	.1	1.5	98.4	729	14	7.7	.2
Rayon, and other synthetic and silk textiles.....	172	43, 773	92, 099	1, 308	.3	3.1	96.6	1, 545	15	14.2	1.3
Woolen and worsted textiles.....	376	121, 977	260, 543	5, 238	.2	3.0	96.8	1, 226	18	20.1	1.5
Not elsewhere classified.....	65	12, 930	28, 665	604	.4	7.6	92.0	761	16	21.1	2.2
Transportation equipment.....	1, 378	1, 910, 953	4, 203, 287	69, 955	.6	7.1	92.3	1, 029	27	4 17.1	4 1.9
Aircraft.....	66	390, 499	840, 354	7, 919	.4	8.4	91.2	1, 045	25	9.4	1.2
Aircraft parts.....	459	440, 155	970, 983	10, 312	.3	12.9	86.8	1, 135	21	10.6	1.7
Boatbuilding.....	25	3, 729	7, 503	196	(9)	(9)	(9)	.....	12	26.1	.2
Motor vehicles.....	169	118, 026	253, 906	3, 439	.3	6.6	93.1	773	26	13.0	.8
Motor-vehicle parts.....	167	98, 349	223, 450	4, 485	.2	5.0	94.8	767	25	20.1	1.3
Railroad equipment.....	80	77, 406	179, 814	3, 610	.5	4.2	95.3	792	27	20.1	1.6
Shipbuilding.....	393	779, 118	1, 709, 384	39, 859	.9	4.4	94.7	967	31	23.3	3.1
Not elsewhere classified.....	19	3, 671	7, 339	125	(9)	(9)	(9)	750	20	17.1	.5
Miscellaneous manufacturing.....	1, 229	309, 703	662, 416	7, 154	.1	4.6	95.3	812	15	4 11.6	4.6
Brooms and brushes.....	77	7, 980	17, 321	435	.....	3.4	96.6	840	8	25.1	.9
Byproducts, coke ovens 7.....	83	18, 881	54, 745	599	(9)	(9)	(9)	(9)	(9)	10.9	(9)
Bee-hive, coke ovens 7.....	55	1, 828	3, 552	153	(9)	(9)	(9)	(9)	(9)	43.1	(9)
Fabricated plastics products.....	103	22, 765	48, 491	842	.3	6.6	93.1	762	13	17.4	1.6
Optical and ophthalmic goods.....	56	15, 629	31, 369	277	(9)	(9)	(9)	.....	6	8.8	.1
Photographic apparatus and materials.....	45	38, 838	87, 035	578	(9)	(9)	(9)	.....	10	6.6	.1
Professional and scientific instruments and supplies.....	133	52, 884	98, 841	700	.....	7.1	92.0	655	16	7.1	.4
Tobacco products.....	163	40, 895	86, 087	850	.....	5.2	94.8	811	13	9.9	.5
Miscellaneous manufacturing.....	514	110, 003	234, 968	2, 720	.3	4.1	95.6	880	19	11.6	.7

<i>Nonmanufacturing</i>			
Construction °.....	1, 585	83, 955	164, 643
Building construction.....	1, 156	46, 310	86, 250
Heavy engineering.....	131	22, 396	50, 931
Highway construction.....	221	12, 872	22, 702
Not elsewhere classified.....	74	2, 294	4, 598
Communication °.....	531	384, 752	762, 797
Telephone (wire and radio).....	105	371, 140	735, 589
Radio broadcasting and television.....	426	13, 612	27, 207
Transportation °.....	1, 142	211, 415	592, 089
Stevedoring.....	117	(^o)	72, 617
Streetcar.....	27	10, 695	27, 762
Bus.....	263	37, 705	94, 479
Streetcar and bus.....	52	95, 162	239, 441
Trucking and hauling.....	385	10, 051	22, 982
Warehousing and storage.....	264	18, 341	38, 815
Not elsewhere classified.....	32	1, 541	3, 843
Heat, light, and power °.....	599	247, 784	535, 928
Electric light and power.....	398	193, 970	420, 198
Gas.....	186	53, 430	114, 829
Waterworks °.....	125	8, 609	18, 331
Personal services.....	3, 088	142, 315	313, 904
Dry cleaning.....	576	16, 879	37, 069
Laundries.....	586	31, 462	69, 847
Laundry and dry cleaning.....	399	35, 587	80, 314
Amusements and related services.....	220	8, 731	16, 246
Hotels.....	299	29, 107	66, 989
Eating and drinking places.....	638	10, 646	22, 578
Medical and other professional services.....	195	7, 692	16, 469
Miscellaneous personal services.....	175	2, 211	4, 388
Business services.....	2, 319	135, 557	278, 059
Banks and other financial agencies.....	761	41, 436	82, 739
Insurance.....	386	68, 054	140, 375
Real estate.....	277	4, 794	10, 015
Miscellaneous business service.....	293	10, 492	22, 772
Automobile repair shops and garages.....	343	3, 926	9, 161
Miscellaneous repair services.....	256	4, 085	9, 246
Airplane modification centers.....	3	2, 770	3, 749
Educational services.....	231	101, 724	166, 890
Fire departments.....	205	24, 360	85, 347
Police departments.....	151	23, 187	55, 699

See footnotes at end of table.

5,072	1.7	2.6	95.7	1,546	17	30.8	4.9
2,667	.8	2.4	96.8	1,588	17	30.9	3.2
1,430	4.0	2.9	93.1	1,104	18	28.1	8.1
812	.7	2.8	96.5	2,289	14	35.8	4.4
156	(^o)	(^o)	(^o)	975	18	33.9	4.9
2,241	.2	.2	99.6	1,500	14	2.9	.1
2,195	.2	.1	99.7	1,900	14	3.0	.1
46	(^o)	(^o)	(^o)	300	16	1.7	(^o)
21,597	.4	4.9	94.7	1,422	16	36.5	4.2
6,361	.4	7.5	92.1	1,614	22	87.6	14.6
739	.5	1.1	98.4	1,013	14	26.6	1.5
2,151	.6	2.5	96.9	1,306	12	22.8	1.8
6,298	.5	1.2	98.3	1,468	16	26.3	1.7
862	.8	.8	98.4	757	15	37.5	2.6
1,330	.5	2.5	97.0	1,220	15	34.3	2.6
96	(^o)	(^o)	(^o)	1,686	17	25.0	3.5
7,514	1.7	2.1	96.2	1,589	17	14.0	2.1
5,471	2.0	1.9	96.1	1,595	17	13.0	2.2
2,029	.7	2.8	96.5	1,579	16	17.7	1.8
407	.2	1.2	98.6	1,230	16	22.2	1.0
2,601	.4	2.1	97.5	1,373	14	8.3	.6
216	-----	1.9	98.1	638	13	5.8	.1
569	.4	3.5	96.1	1,220	17	8.1	.7
515	.6	2.7	96.7	1,768	15	6.4	.6
218	.5	1.4	98.1	1,633	14	13.4	.9
790	.4	1.3	98.3	1,720	13	11.8	.7
199	-----	1.0	99.0	300	15	8.8	.2
75	(^o)	(^o)	(^o)	550	8	4.6	.5
19	(^o)	(^o)	(^o)	-----	16	4.3	1.4
1,409	.4	2.3	97.3	1,402	15	5.1	.3
251	.4	1.2	98.4	2,333	13	3.0	.2
393	.3	1.3	98.4	1,960	19	2.8	.2
69	(^o)	(^o)	(^o)	300	21	6.9	.8
261	-----	2.7	97.3	950	11	11.5	.4
125	(^o)	(^o)	(^o)	1,150	11	13.6	.4
259	.4	4.2	95.4	1,032	15	28.0	2.3
51	(^o)	(^o)	(^o)	2,433	9	18.5	3.7
1,338	.2	2.9	96.9	1,401	14	8.0	.5
2,262	.9	.8	98.3	1,971	16	26.5	2.2
1,418	.6	.9	98.5	2,023	21	25.5	2.0

TABLE A.—*Injury Rates and Injuries, by Extent of Disability, 1945—Continued*

[All reporting establishments]

Industry	Number of establishments	Number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in ¹ —			Average days lost per disability ¹		Injury rates ²	
					Death and permanent total disability ³	Permanent partial disability	Temporary total disability	Permanent partial disability	Temporary total disability	Frequency	Severity ¹
<i>Nonmanufacturing—Continued</i>											
Trade ⁴	5,631	152,235	335,652	4,722	0.5	1.8	97.7	1,073	13	4 13.9	4 1.0
Wholesale distributors.....	1,591	44,217	95,194	1,602	.4	1.7	97.9	1,020	12	16.8	.9
Retail, general merchandise.....	318	27,965	59,120	358	-----	.6	99.4	1,275	15	6.1	.1
Retail food.....	703	23,569	53,878	837	.2	1.9	97.9	875	11	15.5	.6
Wholesale and retail dairy products.....	281	10,955	27,662	593	.3	1.2	98.5	936	13	24.4	.9
Retail automobiles.....	394	6,161	14,525	198	1.5	3.0	95.5	700	16	13.6	1.7
Filling stations.....	200	1,232	4,470	26	(⁵)	(⁵)	(⁵)	300	17	5.8	1.6
Retail apparel and accessories.....	477	9,711	20,074	45	(⁵)	(⁵)	(⁵)	-----	18	2.2	(⁵)
Miscellaneous retail stores.....	1,413	21,939	47,918	773	.5	2.1	97.4	1,141	17	16.1	1.1
Wholesale and retail trade combined.....	254	5,786	12,808	290	2.1	2.4	95.5	2,200	14	22.6	4.3

¹ Based on reports which furnished details regarding the resulting disabilities, constituting approximately 50 percent of the total sample.

² The frequency rate is the average number of disabling injuries for each million employee-hours worked. The severity rate is the average number of days lost for each thousand employee-hours worked. The standard time-loss ratings for fatalities and permanent disabilities are given in Method of Compiling Industrial Injury Rates, approved by the American Standard Association 1945.

³ Each death or permanent total disability is charged with the time loss of 6,000 days in the computation of severity rates.

⁴ Weighted according to estimates of total current employment in each industry.

⁵ Disability distribution and average time charges not given because of small number of injuries for which details were reported.

⁶ Less than 0.05.

⁷ Preliminary data compiled by the Bureau of Mines, U. S. Department of Interior.

⁸ Not available.

⁹ Primarily reported by company instead of by establishment.

TABLE B.—Changes in Exposure, Disabling Injuries, and Injury Rates for 30,209 Identical Establishments, 1944 to 1945

Industry	Number of establishments	Percent of change in—					
		Em- ployees	Em- ployee- hours worked	Dis- abling injuries	Total time lost	Fre- quency rate	Sever- ity rate
<i>Manufacturing</i>							
Total, manufacturing.....	17,809	-14	-19	-22	-9	1-7	1+7
Apparel and other finished textile products.....	1,055	-5	-8	-9	+47	1-7	1+60
Clothing, men's and boys'	423	-7	-10	-9	+83	+1	+150
Clothing, women's and children's	433	-4	-8	-14	-5	-6	0
Apparel and accessories, not elsewhere classified.....	16	-8	-7	+74	+161	+87	+178
Trimmings and fabricated textile products, not elsewhere classified.....	183	+1	-2	-11	+35	-10	+35
Chemicals and allied products ¹	1,211	+2	-1	-10	-3	1-7	1+31
Drugs, toiletries, and insecticides.....	221	+1	+2	-27	+20	-28	+17
Explosives.....	46	(3)	-7	-33	+14	-27	+22
Fertilizers.....	239	(3)	-1	-2	-27	-1	-26
Industrial chemicals.....	187	+2	-1	-3	+10	-3	+10
Paints, varnishes, and colors.....	312	+6	+3	-2	+9	-5	0
Paving and roofing materials.....	8	+6	+6	+44	-2	+35	0
Soap and glycerin.....	56	-2	-4	-5	-57	-1	-56
Synthetic textile fibers.....	20	+6	+3	-17	+295	-19	+289
Vegetable and animal oils.....	17	-4	-18	-15	-49	+4	-38
Not elsewhere classified.....	104	+1	-2	-4	+99	-1	+80
Electrical machinery, equipment, and supplies ¹	356	-10	-17	-25	+1	1-2	1+14
Batteries.....	5	+288	+297	+177	+351	-30	+25
Communication and signaling equipment, except radio.....	4	-9	-13	-18	-69	-6	-67
Electrical equipment for industrial use.....	232	-13	-20	-24	-4	-6	+25
Radios and phonographs.....	112	-5	-12	-36	+26	-27	+80
Food products.....	2,501	+2	(3)	-4	-11	1-8	1-6
Baking.....	477	(3)	(4)	-15	+18	-15	+17
Beverages, not elsewhere classified.....	211	+5	+4	-6	-14	-9	-13
Breweries.....	248	+9	+10	+17	+18	+6	+6
Canning and preserving.....	279	+3	+3	-5	-40	-8	-42
Confectionery.....	190	-3	-5	-11	-60	-6	-60
Dairy products.....	123	(4)	-1	+17	-77	+18	-80
Distilleries.....	60	+5	+9	+2	+21	-6	+10
Flour, feed, and grain-mill products.....	443	+6	+9	(4)	-48	-8	-52
Slaughtering and meat packing.....	239	-5	-12	-16	-25	-5	-24
Sugar refining.....	85	+10	+8	+3	+65	-4	+50
Not elsewhere classified.....	146	-1	(5)	-21	+23	-22	+21
Furniture and finished lumber products.....	1,068	(4)	-2	-9	-1	1-8	10
Furniture, metal.....	28	-16	-20	-31	-49	-13	-36
Furniture, except metal.....	637	-1	-1	-8	-3	-7	0
Mattresses and bedsprings.....	30	+11	+10	-23	+15	-30	+4
Morticians supplies.....	28	-13	-12	-3	-77	+11	-71
Office, store, and restaurant fixtures.....	70	+22	+12	+13	-37	+1	-44
Wooden containers.....	109	-3	-11	-13	+44	-3	+61
Not elsewhere classified.....	196	+1	-1	-9	(4)	-8	-3
Iron and steel and their products ²	2,109	-5	-10	-17	-17	1-11	1-15
Bolts, nuts, washers, and rivets.....	28	-9	-13	-28	+11	-17	+17
Cutlery and edge tools.....	84	+2	+1	-2	-61	-3	-52
Fabricated structural steel.....	76	-22	-27	-44	-44	-27	-21
Forgings, iron and steel.....	100	-15	-20	-30	-44	-12	-31
Foundries, iron.....	556	-2	-7	-8	+22	-2	+33
Hardware.....	96	+53	+36	+3	-4	-24	-33
Heating equipment, not elsewhere classified.....	121	-3	-7	-3	-33	+5	-30
Iron and steel.....	125	-6	-11	-14	-13	-3	0
Metal coating and engraving.....	27	-14	-15	-47	+10	-38	+36
Ornamental metal work.....	37	-11	-13	-33	+100	-23	+127
Plate fabrication and boiler-shop products.....	65	-8	-17	-34	-60	-21	-46

See footnotes at end of table.

TABLE B.—Changes in Exposure, Disabling Injuries, and Injury Rates for 30,209 Identical Establishments, 1944 to 1945—Continued

Industry	Number of establishments	Percent of change in—					Severity rate
		Em- ployees	Em- ployee- hours worked	Dis- abling injuries	Total time lost	Fre- quency rate	
<i>Manufacturing—Continued</i>							
Iron and steel and their products—Con.							
Plumbers' supplies.....	43	-8	-12	-13	+83	(⁶)	+100
Screw-machine products.....	63	-18	-22	-18	+29	+5	+62
Sheet-metal work.....	36	+2	-2	-26	+62	-24	+75
Stamped and pressed metal products.....	175	-6	-8	-23	+36	-17	+45
Steam fittings and apparatus.....	113	-8	-13	-6	-67	+8	-62
Steel springs.....	4	-1	-20	-53	+82	-42	+133
Tin cans and other tinware.....	38	+6	+1	-33	-51	-34	-54
Tools, except edge tools.....	108	-6	-11	-23	-28	-13	-20
Wire and wire products.....	111	-7	-13	-9	-56	+4	-48
Not elsewhere classified.....	99	-9	-15	-29	-52	-16	-46
Leather and leather products.....							
Boots and shoes.....	469	-1	-1	-12	+48	1-17	1+75
Leather.....	283	(⁷)	(⁸)	-20	+177	-20	+200
Not elsewhere classified.....	127	-1	-2	-2	+37	(⁹)	+38
Lumber and timber basic products ².....							
Logging.....	811	+8	-1	-9	-19	1-8	1-18
Sawmills.....	258	+7	+1	-2	-28	-3	-28
Sawmills and planing mills combined.....	378	+11	-2	-16	-19	-14	-17
Planing mills.....	42	-4	-14	-20	-9	-6	+7
Veneer mills.....	83	+4	(⁴)	-20	-7	-19	-8
Millwork (structural).....	33	-1	+1	+5	-13	+4	-15
Machinery, except electric ¹.....							
Agricultural machinery and tractors.....	1,602	-1	-10	-18	+33	1-12	1+18
Commercial and household machinery.....	116	-1	-8	-1	-14	+8	-13
Construction and mining machinery.....	60	+5	-7	-34	+231	-29	+200
Engines and turbines.....	165	-4	-12	-20	+6	-9	+20
Food-products machinery.....	24	-28	-28	-22	+70	+8	+157
General industrial machinery, not else- where classified.....	72	-3	-10	-13	+120	-2	+125
General machine shops (jobbing and repair).....	273	+16	+3	-15	+3	-18	-18
Metalworking machinery.....	170	+36	-23	-34	+146	-14	+200
Pumps and compressors.....	444	-10	-17	-26	+94	-11	+125
Special industry machinery, not else- where classified.....	4	-6	+5	-7	-76	-12	-83
Textile machinery.....	181	+10	+7	-8	+123	-14	+114
Nonferrous metals and their products ².....							
Foundries, nonferrous.....	87	+6	-5	-22	-5	-18	-7
Foundries, nonferrous.....	151	-15	-16	-22	-11	1-26	1+14
Not elsewhere classified.....	52	-39	-35	-46	+15	-17	+63
Ordnance and accessories ².....							
Ammunition, except for small arms.....	96	-4	-8	-11	-22	-4	-14
Guns and related equipment.....	143	-32	-36	-30	+3	1+3	1+50
Sighting and fire-control equipment.....	59	-28	-31	-27	+4	+6	+50
Small arms.....	24	-34	-35	-32	+73	+3	+150
Tanks, military.....	4	-17	-26	-14	(⁶)	+17	(⁵)
Tank components, military.....	18	-40	-52	-49	-17	+6	+60
Not elsewhere classified.....	7	-32	-35	-35	-8	+1	+50
Paper and allied products.....	11	-16	-21	+21	+126	+54	+175
Envelopes.....	17	+13	-6	-18	-15	-13	-11
Paper boxes and containers.....	674	-3	-4	-6	+23	1-2	1+60
Paper.....	62	-2	-4	-9	-18	-5	-20
Pulp.....	282	-16	-17	-20	-24	-4	0
Paper and pulp, integrated.....	131	(⁴)	-2	-8	+83	-6	+100
Not elsewhere classified.....	58	+1	(³)	-3	+126	-4	+111
Printing and publishing.....	12	-1	+3	+6	+913	+3	+675
Book and job printing.....	129	+1	-4	+1	+16	+5	+18
Printing and publishing.....	2,157	+5	+4	-4	-19	1-12	1-30
Book and job printing.....	1,393	+7	+7	+2	-31	-4	-33

See footnotes at end of table.

TABLE B.—Changes in Exposure, Disabling Injuries, and Injury Rates for 30,209 Identical Establishments, 1944 to 1945—Continued

Industry	Number of establishments	Percent of change in—					
		Em- ployees	Em- ployee- hours worked	Dis- abling injuries	Total time lost	Fre- quency rate	Sever- ity rate
<i>Manufacturing—Continued</i>							
<i>Printing and publishing—Continued</i>							
Bookbinding.....	28	-1	-6	-64	-63	-61	-57
News and periodical.....	736	+4	+2	-6	+4	-8	0
Rubber products.....	151	-4	-8	-18	-1	1-8	1+15
Boots and shoes.....	19	(¹)	-3	(¹)	+11	+3	+32
Rubber tires and tubes.....	25	+5	(¹)	-25	+26	-25	+21
Not elsewhere classified.....	107	-17	-18	-13	-7	+6	+15
Stone, clay, and glass products.....	825	-1	-2	-6	-3	1-5	1 0
Concrete, gypsum, and plaster products.....	83	+7	-1	-13	-9	-12	-8
Cut stone and cut-stone products.....	88	-2	+11	-6	-87	-15	-87
Glass.....	163	-1	-3	-14	+9	-11	+8
Pottery and related products.....	83	-4	-4	+2	+358	+7	+420
Structural clay products.....	336	+4	+3	+2	-37	-1	-39
Not elsewhere classified.....	72	-3	-5	-7	(³)	-2	+8
Textiles and textile-mill products.....	1,503	-4	-7	-12	+12	1-9	1+22
Carpets, rugs, and other floor coverings.....	40	-1	-3	+25	-18	+30	+27
Cordage and twine.....	16	-2	-9	+15	-41	+26	-33
Cotton yarn and textiles.....	431	-4	-7	-14	+8	-7	+17
Dyeing and finishing textiles.....	101	-5	-7	-36	-4	-31	+6
Hats, except cloth and millinery.....	4	-4	-8	+150	+465	+173	+506
Knit goods.....	469	-6	-9	-23	+8	-16	0
Rayon and other synthetic and silk textiles.....	127	-1	-5	-10	+153	-5	+160
Woolen and worsted textiles.....	301	-4	-6	-5	+1	+1	0
Not elsewhere classified.....	14	-6	-17	-29	-61	-14	-60
Transportation equipment *.....	506	-35	-40	-41	-23	1-1	1+20
Aircraft.....	30	-38	-45	-38	-6	+13	+83
Aircraft parts.....	141	-33	-40	-36	-23	+7	+17
Boatbuilding.....	8	-23	-24	-60	-84	-47	-83
Motor vehicles.....	61	-1	-9	-18	+28	-10	+57
Motor-vehicle parts.....	51	-13	-18	-29	+7	-10	+55
Railroad equipment.....	48	-8	-11	-15	+15	-5	+31
Shipbuilding.....	160	-39	-42	-46	-32	-6	+14
Miscellaneous manufacturing *.....	487	-4	-9	-21	+22	1-18	1+25
Brooms and brushes.....	65	+8	+5	+33	+87	+27	+67
Optical and ophthalmic goods.....	7	+21	+15	-12	-70	-24	-80
Professional and scientific instruments and supplies.....	18	-6	-19	-25	+18	-7	+50
Tobacco products.....	151	-5	-7	-25	-3	-19	+20
Miscellaneous manufacturing.....	242	-5	-11	-27	+37	-18	+67
<i>Nonmanufacturing</i>							
Construction **.....	1,291	-3	-12	+6	+21	+20	+38
Building construction.....	922	+26	+20	+17	(¹)	-2	-17
Heavy engineering construction.....	109	-40	-45	-12	+85	+61	+240
Highway construction.....	199	+18	+9	+12	-41	+3	-45
Not elsewhere classified.....	68	-23	-11	-2	+385	+10	+450
Communication *.....	446	+3	+4	-8	-36	-12	0
Telephone (wire and radio).....	98	+3	+4	-9	-36	-12	0
Radio broadcasting and television.....	348	+3	+3	+23	+80	+25	+74
Transportation **.....	861	-5	(¹)	+6	-15	+6	-14
Stevedoring.....	89	-48	-7	-6	-53	+1	-50
Streetcar.....	26	+2	+3	+2	+20	-1	+15
Bus.....	240	+4	+4	+13	+69	+8	+64
Streetcar and bus.....	45	(¹)	-2	+12	-20	+15	-20
Trucking and hauling.....	291	-2	-5	-4	+22	+1	+27

See footnotes at end of table.

TABLE B.—Changes in Exposure, Disabling Injury, and Injury Rates for 30,209 Identical Establishments, 1944 to 1945—Continued

Industry	Number of establishments	Percent of change in—					
		Employees	Employee-hours worked	Disabling injuries	Total time lost	Frequency rate	Severity rate
<i>Nonmanufacturing—Continued</i>							
Transportation ² &—Continued							
Warehousing and storage.....	142	-3	-5	-26	-2	-22	+4
Not elsewhere classified.....	26	+1	+8	+10	+382	+2	+350
Heat, light, and power ³ &.....	566	+6	+6	+17	+6	+10	0
Electric light and power.....	372	+7	+7	+18	+11	+10	+5
Gas.....	179	+4	+2	+13	-12	+10	-10
Waterworks ⁴	104	-1	-3	+20	-31	+24	-25
Personal services.....	2,575	+3	(⁵)	-13	-21	-13	-14
Dry cleaning.....	497	-6	-13	-12	-75	+2	-60
Laundries.....	517	-2	-3	-12	-18	-9	-22
Laundry and dry cleaning.....	356	+9	+7	-26	-51	-31	-58
Amusements and related services.....	191	+4	-2	+49	-46	+53	-50
Hotels.....	246	+5	+2	-9	+79	-11	+75
Eating and drinking places.....	456	-2	-1	-35	+14	-34	0
Medical and other professional services.....	166	+10	+9	+5	+204	-2	+150
Miscellaneous personal services.....	146	+7	+4	+29	+374	+24	+300
Business services.....	1,793	+2	-2	-16	-8	-15	0
Banks and other financial agencies.....	701	+6	+6	-8	+5	-14	0
Insurance.....	167	+2	+7	+7	+273	0	+100
Real estate.....	217	(⁶)	-5	+4	+785	+8	+800
Miscellaneous business services.....	211	+10	+4	-20	-79	-23	-78
Automobile repair shops and garages.....	285	+9	+6	+14	-62	+7	-67
Miscellaneous repair services.....	209	+5	(⁶)	-11	-11	+11	-8
Airplane modification centers.....	3	-45	-72	-74	+12	-6	+311
Educational services.....	140	+3	-2	-17	-31	-16	-25
Fire departments.....	204	+2	-8	+2	-3	+11	+5
Police departments.....	151	-2	-5	+15	+22	+21	+33
Trade.....	4,265	+5	+5	-1	+16	¹ -5	¹ +13
Wholesale distributors.....	1,287	+7	+6	(⁵)	+31	-5	+22
Retail, general merchandise.....	181	+2	+4	-8	+37	-12	+100
Retail food.....	411	+3	+2	-8	+26	-9	+50
Wholesale and retail dairy products.....	199	+1	+9	+9	-27	(⁶)	-30
Retail automobiles.....	316	+20	+16	-14	+146	-26	+122
Filling stations.....	145	+10	+7	-15	-83	-20	-87
Retail apparel and accessories.....	372	+2	+4	-41	-86	-43	-87
Miscellaneous retail stores.....	1,141	+6	+2	+2	-20	-1	-23
Wholesale and retail trade combined.....	213	(⁶)	+2	+21	+130	+19	+122

¹ Weighted according to estimates of total current employment in each industry.

² Totals include figures for industries not shown separately.

³ More than half of 1 percent but less than 1 percent.

⁴ Less than half of 1 percent.

⁵ Not available.

⁶ Primarily reported by company instead of by establishments.

TABLE C.—Estimates of Disabilities, by Extent, for Manufacturing Industries, 1945

[Excluding self-employed]

Industry	All reporting establishments				Estimates for entire industry				
	Number of establishments	Number of employees (thousands)	Employee-hours worked (thousands)	Number of disabling injuries	All disabling injuries	Death and permanent total disability	Permanent partial disability	Temporary total disability	Total days lost (thousands)
Apparel and other finished textile products.....	1,772	201	397,404	3,641	18,000	35	520	17,445	1,277
Chemicals and allied products ¹	2,158	522	1,182,678	15,065	24,000	265	1,130	22,605	3,385
Drugs, toiletries, and insecticides.....	318	53	117,369	1,751	2,500	5	70	2,425	120
Explosives.....	104	70	148,602	540	800	60	100	640	473
Fertilizers.....	288	16	37,022	1,240	2,000	20	50	1,930	223
Industrial chemicals, not elsewhere classified.....	719	148	339,720	5,228	13,100	90	850	12,160	1,844
Paints, varnishes, and colors.....	389	32	75,208	1,323	1,500	5	30	1,465	81
Soap and glycerin.....	143	17	39,922	464	500	5	30	470	28
Synthetic textile fibers.....	31	52	112,009	995	1,300	-----	70	1,230	119
Electrical machinery equipment and supplies ¹	1,328	758	1,638,200	14,797	16,300	35	1,140	15,125	1,508
Communication and signaling equipment, except radio.....	62	93	209,379	1,341	1,600	-----	70	1,530	66
Electrical equipment for industrial use.....	633	366	789,509	7,389	8,100	15	650	7,435	772
Food products ¹	3,851	495	1,090,147	30,978	80,000	320	3,520	76,160	7,450
Breweries.....	295	55	125,628	5,464	6,800	20	630	6,150	1,134
Confectionery.....	211	38	80,598	1,459	2,700	-----	70	2,630	89
Flour, feed, and grain-mill products.....	519	45	111,759	3,084	5,500	20	130	5,350	353
Slaughtering and meat packing.....	915	136	313,408	10,164	13,300	40	450	12,810	689
Sugar refining.....	95	25	52,181	1,582	1,900	15	50	1,835	191
Furniture and finished lumber products ¹	2,579	176	378,985	12,062	25,000	50	1,530	23,420	1,849
Furniture, metal and wood.....	949	82	178,049	4,723	9,400	10	720	8,670	706
Mattress and bedsprings.....	218	10	20,738	576	1,100	-----	40	1,060	64
Iron and steel and their products ¹	5,043	1,407	3,046,670	62,044	67,000	400	3,620	62,980	6,689
Bolts, nuts, washers, and rivets.....	89	17	39,493	855	1,000	-----	50	950	38
Fabricated structural steel.....	567	47	100,084	2,763	3,800	25	170	3,605	331
Foundries, iron.....	854	124	276,186	12,370	12,700	50	290	12,390	740
Foundries, steel.....	147	67	142,484	5,112	5,500	35	80	5,385	358
Heating equipment.....	229	32	71,455	2,418	3,200	15	110	3,075	247
Iron and steel.....	288	589	1,257,852	11,250	12,000	215	980	10,805	2,204
Screw-machine products.....	181	28	66,342	1,027	1,100	-----	120	980	144
Tin cans and other tinware.....	130	43	95,600	1,654	1,800	-----	150	1,650	110
Tools, except edge tools.....	198	26	61,592	1,403	1,500	-----	100	1,400	69
Wire and wire products.....	212	46	100,499	2,317	3,600	-----	380	3,220	528
Leather and leather products ¹	686	161	356,124	5,126	11,200	35	440	10,725	833
Boots and shoes.....	427	121	267,437	2,890	5,000	-----	280	4,720	275
Leather.....	154	31	69,792	1,980	2,800	10	70	2,720	214
Lumber and timber basic products ¹	2,353	125	244,020	12,654	53,000	425	1,750	50,825	5,332
Planing and plywood mills.....	1,345	55	115,409	4,393	10,900	55	630	10,215	1,126

See footnotes at end of table.

TABLE C.—*Estimates of Disabilities, by Extent, for Manufacturing Industries, 1945—Continued*

Industry	All reporting establishments				Estimates for entire industry				
	Number of establishments	Number of employees (thousands)	Employee-hours worked (thousands)	Number of disabling injuries	All disabling injuries	Death and permanent total disability	Permanent partial disability	Temporary total disability	Total days lost (thousands)
Machinery, except electric ¹	3,944	1,026	2,284,883	40,682	44,800	180	2,020	42,600	3,297
Agricultural machinery and tractors.....	211	95	207,817	4,883	6,100	-----	330	5,770	327
Commercial and household machinery.....	173	65	144,513	2,210	2,400	20	190	2,190	297
General industrial machinery, not elsewhere classified.....	2,333	638	1,400,496	25,163	27,700	85	1,270	26,345	1,918
Pumps and compressors.....	131	26	64,183	1,126	2,300	-----	40	2,200	65
Textile machinery.....	124	22	51,738	731	800	5	20	775	45
Nonferrous metals and their products ¹	874	152	361,435	7,968	12,400	25	910	11,465	1,176
Nonferrous basic shapes and forms.....	36	29	71,926	1,337	3,400	15	220	3,165	479
Ordnance and accessories ¹	921	489	1,106,870	17,185	44,500	135	3,340	41,025	3,939
Ammunition, except for small arms.....	467	211	472,649	9,425	20,000	60	1,260	18,680	1,520
Guns and related equipment.....	131	91	209,418	2,146	5,200	-----	630	4,570	590
Small arms.....	86	54	123,651	1,488	3,200	20	260	2,920	415
Paper and allied products ¹	1,392	267	589,986	14,422	20,800	40	890	19,870	1,244
Envelopes.....	74	7	15,744	184	300	-----	10	290	8
Paper boxes and containers.....	602	57	117,708	2,657	4,400	15	330	4,055	393
Paper and pulp.....	518	169	385,961	10,102	10,500	30	290	10,180	623
Printing and publishing ¹	2,354	166	346,826	2,807	9,300	10	480	8,810	736
News and periodical.....	791	87	177,714	1,386	3,300	5	130	3,165	214
Rubber products ¹	271	205	439,144	6,596	7,700	15	560	7,125	809
Rubber tires and tubes.....	46	109	233,225	3,150	3,200	10	80	3,110	190
Stone, clay, and glass products ¹	1,344	208	445,038	8,874	16,100	95	450	15,555	1,309
Glass.....	218	92	192,177	3,012	3,700	15	140	3,545	321
Pottery and related products.....	137	25	52,661	974	1,800	30	50	1,720	256
Structural clay products.....	419	29	59,969	2,509	4,300	20	70	4,210	256
Textiles and textile-mill products ¹	2,287	642	1,329,665	20,447	36,900	110	1,370	35,420	2,669
Carpets, rugs, and other floor coverings.....	50	14	30,665	391	600	5	30	565	66
Cotton yarn and textiles.....	591	284	587,959	8,898	14,600	30	610	13,960	1,017
Dyeing and finishing textiles.....	382	49	107,607	2,101	2,600	10	90	2,500	231
Knit goods.....	610	104	201,099	1,556	2,700	5	40	2,655	85
Rayon and other synthetic and silk textiles.....	172	43	92,099	1,308	2,800	10	90	2,700	223
Woolen and worsted textiles.....	376	121	260,543	5,238	6,600	15	200	6,385	435
Transportation equipment ¹	1,378	1,910	4,203,287	69,955	80,400	485	5,710	74,205	10,780
Motor vehicles and parts.....	336	216	487,357	7,924	19,600	60	1,170	18,370	1,731
Shipbuilding and boatbuilding ²	418	782	1,716,888	40,055	41,300	370	1,770	39,160	5,153
Miscellaneous manufacturing ¹	1,229	309	662,416	7,154	14,200	15	650	13,535	815
Professional and scientific instruments and supplies.....	133	52	98,841	700	800	-----	50	750	46
Tobacco products.....	163	40	86,087	850	1,900	-----	100	1,800	105

¹ Includes data for industries not shown separately because of insufficient coverage upon which to base industry estimates.

² Does not include United States navy yards.

TABLE D.—Distribution of All Reported Injuries Resulting in Permanent Partial Disability, According to Part of Body Affected, by Industry, 1945

Industry	Total	Percent of permanent partial disability cases involving the loss, or loss of use of—						
		An arm	A hand or fingers	A leg	A foot or toes	An eye	One or both ears (hearing)	Other
<i>Manufacturing</i>								
Total, manufacturing.....	100	4	75	3	7	5	(¹)	6
Apparel and other finished textile products.....	100	14	72	11	3	0	0	0
Chemicals and allied products.....	100	4	65	5	9	9	0	8
Explosives.....	100	0	84	3	3	10	0	0
Industrial chemicals.....	100	5	62	3	14	5	0	11
Not elsewhere classified.....	100	5	64	5	3	8	0	15
Electrical machinery, equipment and supplies.....	100	4	72	3	6	5	0	10
Electrical equipment for industrial use.....	100	2	75	2	7	5	0	9
Radios and phonographs.....	100	16	71	2	4	0	0	7
Food products.....	100	7	61	5	9	9	(¹)	9
Baking.....	100	3	72	8	11	3	0	3
Breweries.....	100	9	49	6	10	14	(¹)	12
Flour, feed, and grain-mill products.....	100	8	72	2	3	5	2	8
Slaughtering and meat packing.....	100	1	82	1	7	3	2	4
Sugar refining.....	100	15	69	2	7	7	0	0
Furniture and finished lumber products.....	100	1	92	1	2	3	(¹)	1
Furniture, metal.....	100	0	91	0	3	3	3	0
Furniture, except metal.....	100	1	92	(¹)	3	2	0	2
Wooden containers.....	100	0	93	0	0	7	0	0
Not elsewhere classified.....	100	4	84	6	0	4	(¹)	3
Iron and steel.....	100	2	84	2	5	4	(¹)	3
Forgings, steel and iron.....	100	2	88	0	5	5	0	0
Foundries, iron.....	100	1	77	2	10	8	0	2
Heating equipment.....	100	2	77	7	7	7	0	0
Iron and steel.....	100	3	79	4	7	4	(¹)	3
Stamped and pressed metal products.....	100	1	95	0	1	1	0	2
Tin cans and other tinware.....	100	0	99	0	0	1	0	0
Not elsewhere classified.....	100	4	83	4	2	5	0	2
Leather and leather products.....	100	7	82	3	5	1	0	2
Lumber and timber basic products.....	100	2	77	5	6	8	0	2
Logging.....	100	5	52	17	10	14	0	2
Sawmills.....	100	1	78	3	7	9	0	2
Machinery, except electric.....	100	1	84	1	5	6	(¹)	3
Agricultural machinery and tractors.....	100	0	88	2	4	6	0	0
Construction and mining machinery.....	100	0	71	5	10	12	0	2
Engines and turbines.....	100	0	87	1	8	3	0	1
General industrial machinery, not elsewhere classified.....	100	1	80	0	3	6	0	10
General machine shops (jobbing and repair).....	100	2	88	0	5	5	0	2
Metalworking machinery.....	100	0	76	4	7	9	2	2
Nonferrous metals and their products.....	100	3	73	3	2	6	0	13
Aluminum and magnesium products.....	100	5	56	3	3	3	0	30
Ordnance and accessories.....	100	2	87	2	3	2	0	4
Ammunition, except for small arms.....	100	0	88	2	4	2	0	4
Guns and related equipment.....	100	3	88	3	4	2	0	0

See footnote at end of table.

TABLE D.—Distribution of All Reported Injuries Resulting in Permanent Partial Disability, According to Part of Body Affected, by Industry, 1945—Continued

Industry	Total	Percent of permanent partial disability cases involving the loss, or loss of use of—						Other
		An arm	A hand or fingers	A leg	A foot or toes	An eye	One or both ears (hearing)	
<i>Manufacturing—Continued</i>								
Paper and allied products.....	100	2	90	2	2	2	1	1
Paper boxes and containers.....	100	2	89	5	0	2	0	2
Printing and publishing.....	100	4	85	1	7	2	0	1
Book and job printing.....	100	4	77	1	12	3	0	3
News and periodical.....	100	5	93	0	0	2	0	0
Rubber products.....	100	5	70	1	13	2	0	9
Stone, clay, and glass products.....	100	5	76	2	3	3	0	8
Glass.....	100	5	75	2	4	7	0	7
Textile and textile-mill products.....	100	6	79	3	3	2	1	6
Cotton yarn and textiles.....	100	4	84	3	2	2	1	4
Dyeing and finishing textiles.....	100	11	58	3	2	3	2	21
Woolen and worsted textiles.....	100	11	84	0	3	0	0	2
Transportation equipment.....	100	4	65	3	13	5	(1)	9
Aircraft.....	100	4	69	4	11	3	(1)	9
Boatbuilding.....	100	6	59	4	15	4	0	12
Motor vehicles.....	100	1	84	1	7	5	0	2
Motor-vehicle parts.....	100	0	73	0	0	20	0	7
Railroad equipment.....	100	3	74	0	6	4	0	13
Shipbuilding.....	100	2	64	4	16	7	4	3
Miscellaneous manufacturing.....	100	2	87	1	4	4	0	2
Tobacco products.....	100	7	88	0	5	0	0	0
Miscellaneous manufacturing.....	100	0	86	2	3	7	0	2
<i>Nonmanufacturing</i>								
Construction.....	100	8	56	9	12	11	2	2
Building construction.....	100	8	57	11	13	9	0	2
Heavy engineering construction.....	100	0	57	5	14	12	7	5
Transportation.....	100	6	34	10	25	2	(1)	23
Stevedoring.....	100	6	28	13	25	1	0	27
Rapid transit—overhead and underground.....	100	7	35	7	28	(1)	0	23
Bus.....	100	9	57	4	13	4	0	13
Streetcar and bus.....	100	0	45	16	19	10	3	7
Heat, light, and power.....	100	7	52	10	18	4	0	9
Electric light and power.....	100	7	53	11	16	2	0	11
Gas.....	100	7	47	11	25	5	0	5
Personal services.....	100	4	76	7	9	2	0	2
Business services.....	100	10	53	11	10	10	0	6
Trade.....	100	2	78	6	2	5	0	7

¹ Less than half of 1 percent.

TABLE E.—*Indexes of Injury-Frequency Rates in Manufacturing, 1926-45, by Extent of Disability*¹

[1926=100]

Year	All injuries	Death and permanent total	Permanent partial	Temporary total
1926.....	100.0	100.0	100.0	100.0
1927.....	93.6	107.1	96.3	93.3
1928.....	93.2	107.1	104.6	92.5
1929.....	92.2	92.9	109.2	98.7
1930.....	95.5	107.1	111.0	94.6
1931.....	78.0	92.9	102.8	76.5
1932.....	80.9	107.1	113.8	78.9
1933.....	91.8	85.7	110.1	90.8
1934.....	93.6	107.1	128.4	91.6
1935.....	88.1	92.9	121.1	86.2
1936.....	85.7	85.7	114.7	84.1
1937.....	85.8	85.7	122.0	83.7
1938.....	71.7	71.4	78.9	68.1
1939.....	73.4	71.4	80.7	73.9
1940.....	75.3	71.4	84.8	75.6
1941.....	85.8	80.3	83.7	86.3
1942.....	93.5	70.7	83.4	94.1
1943.....	94.4	70.7	83.4	95.0
1944.....	88.3	62.8	75.4	89.7
1945.....	81.9	62.8	72.3	83.0

¹ Beginning with 1937, the indexes are based on the percent of change of the frequency rates of identical establishments in each pair of successive years.