

# **Work Injuries in the United States During 1947**

**A Collection of Basic Work-Injury Data  
for Each of the Major Industries  
in the United States**

**Estimates of Disabling Work Injuries  
Injury-Frequency Rates  
Injury-Severity Measures  
Changes in Injuries and Injury Rates**

**Bulletin No. 945**  
**UNITED STATES DEPARTMENT OF LABOR**  
**BUREAU OF LABOR STATISTICS**





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**MAURICE J. TOBIN, *Secretary***

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**EWAN CLAGUE, *Commissioner***





# Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,  
BUREAU OF LABOR STATISTICS,  
Washington, D. C., October 15, 1948.

THE SECRETARY OF LABOR:

I have the honor to transmit a report on the occurrence of work injuries in the United States during 1947. Nearly 52,000 establishments with a total employment of over 10 million workers participated in the survey on which the report is based.

This bulletin, parts of which have appeared in the March and October 1948, issues of the Monthly Labor Review, was prepared by Frank S. McElroy, of the Bureau's Branch of Industrial Hazards.

EWAN CLAGUE, *Commissioner.*

HON. MAURICE J. TOBIN,  
*Secretary of Labor.*

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# Work Injuries in the United States During 1947

Despite a general rise in employment and the effects of several major disasters, the total volume of disabling work injuries<sup>1</sup> in 1947 was essentially unchanged from the 1946 total. It was, however, the seventh consecutive year in which such injuries were in excess of 2 million.

## Estimates of Disabling Work Injuries

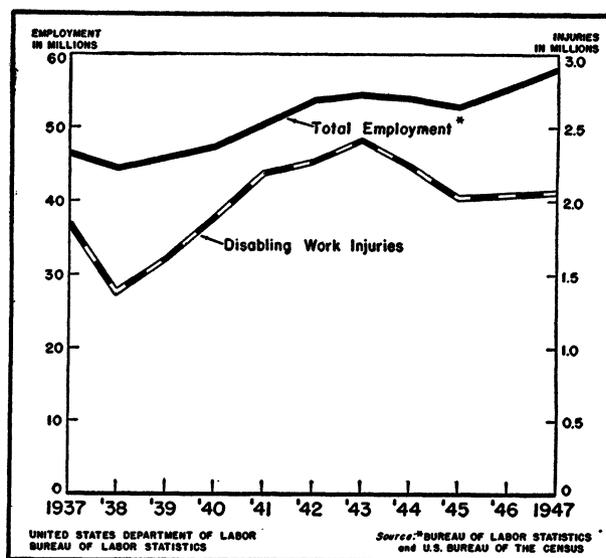
The 1947 total of disabling work injuries was estimated by the Bureau of Labor Statistics as 2,059,000. This is less than 1 percent above the 1946 total (2,056,000) and, in view of the expansion in most industrial activities during the year, may be regarded as an improvement. The fatality record was less favorable, however. About 17,000 workers were killed in on-the-job accidents during 1947 as compared with 16,500 in 1946—an increase of 3 percent. This disproportionate rise in fatalities resulted primarily from the Texas City explosion and the Centralia mine disaster. In contrast, the volume of permanent-partial impairments declined from about 92,400 in 1946 to approximately 90,000 in 1947.

The actual time lost because of work injuries which occurred in 1947 is estimated as about 44,700,000 man-days, or the equivalent of a year's full-time employment for approximately 150,000 workers. This, however, represents only a part of the total production losses accruing from these injuries. If additional allowance is made for the future effects of the deaths and permanent physical impairments included in the 1947 total, the economic time loss chargeable to these injuries would amount to about 233,700,000 man-days. This is equivalent to a year's employment for 780,000 workers, or about six times as

much time as was lost during the year because of strikes.

In addition to the 17,000 workers who died as a result of work injuries in 1947, there were 1,800 who will be totally disabled and 90,000 who will have some more or less disabling impairment for the rest of their lives. Each of the remaining 1,950,200 disabling injuries resulted in an inability to work lasting at least 1 full day after the day of injury, but without permanent ill-effects.

Chart 1.—*Employment and Disabling Work Injuries, 1937-1947*  
(Estimated)



Although, as in previous years, there were more fatalities in agricultural activities than in any of the other major industry groups, the 1947 total of 4,300 was 200 less than the 1946 estimate. Similarly the volume of nonfatal injuries in agriculture was substantially less in 1947 than in 1946. Contributing factors in this reduction included the increased availability of new equipment, repair parts, and materials, and a generally high level of

<sup>1</sup> A disabling work injury is an injury arising out of and in the course of employment which results in death or permanent impairment, or renders the injured person unable to work at a regularly established job throughout the hours corresponding to his regular shift on any day after the day of injury.

farm income, which permitted farmers to eliminate many physical hazards which had developed during the war period.

Manufacturing had the largest volume of disabling injuries among the major industry groups, but the 1947 total of 539,000 injuries was 2,500 below the 1946 figure. In view of the substantial expansion in manufacturing activities, which normally would be expected to result in a disproportionately greater increase in injuries, this minor reduction actually represents a very favorable trend in manufacturing safety. There were,

however, about 200 more deaths in manufacturing during 1947 than in 1946, largely due to the disastrous effects of the Texas City explosion.

Injuries to railroad workers, totaling about 71,900, were nearly 6 percent fewer than in 1946. Train-service and nontrain accidents both decreased in 1947. The volume of train accidents, on the other hand, increased about 8 percent as the total mileage operated increased about 1 percent. This resulted in a slight rise in the volume of train-accident injuries, particularly those attributed to derailments.

*Estimated number of disabling injuries during 1947, 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.....	2,059,000	1,634,600	17,000	12,300	1,800	1,400	90,000	71,800	1,950,200	1,549,100
Agriculture <sup>1</sup> .....	298,000	70,600	4,300	1,000	400	100	14,900	3,500	278,400	66,000
Mining and quarrying <sup>2</sup> .....	92,900	88,300	1,500	1,400	200	200	4,100	3,900	87,100	82,800
Construction <sup>3</sup> .....	151,700	105,100	2,400	1,800	300	200	4,300	3,000	144,700	100,100
Manufacturing <sup>4</sup> .....	539,000	530,100	2,700	2,600	200	200	27,200	26,800	508,900	500,500
Public utilities.....	27,700	27,700	400	400	( <sup>5</sup> )	( <sup>5</sup> )	600	600	26,700	26,700
Trade <sup>3</sup> .....	360,600	287,700	1,500	1,300	100	100	8,600	6,900	350,400	279,400
Railroads <sup>6</sup> .....	71,900	71,900	800	800	300	300	5,000	5,000	65,800	65,800
Miscellaneous transportation <sup>4</sup> .....	135,200	116,200	900	700	100	100	7,400	6,400	126,800	109,000
Services, government, and miscellaneous industries <sup>3</sup> .....	382,000	337,000	2,500	2,300	200	200	17,900	15,700	361,400	318,800

<sup>1</sup> Based on fragmentary data.

<sup>2</sup> Based largely on Bureau of Mines data.

<sup>3</sup> Based on small sample studies.

<sup>4</sup> Based on comprehensive survey.

<sup>5</sup> Less than 50.

<sup>6</sup> Based on Interstate Commerce Commission data.

Expanded operations and increased employment during 1947 were largely responsible for the rise in the number of injuries in construction, mining and quarrying, public utility operations, trade, and miscellaneous transportation. In construction, the 1947 total of 151,700 disabling injuries was 15 percent greater than in 1946. Because building construction, which generally has a lower incidence of serious injuries than heavy engineering and highway construction, had the greatest expansion, the volume of construction fatalities increased only 9 percent to a total of 2,400. In mining and quarrying, fatalities increased 15 percent over 1946, although the total volume of injuries rose only 11 percent. Three major explosions in bituminous-coal mines contributed 146 fatalities to the total—111 workers were killed in the Centralia explosion alone—and three explosions in the anthracite field accounted for 33 additional deaths.

In the miscellaneous-industry group, composed largely of services and governmental operations,

the total volume of disabling injuries, 382,000, was about 6 percent lower than in 1946, although the number of fatalities remained constant at about 2,500.

### Injury-Frequency Rates

*Manufacturing.* Reflecting widespread improvement in the frequency rates for the individual manufacturing industries, the weighted injury-frequency rate for all manufacturing dropped nearly 6 percent from an average of 19.9 disabling injuries per million employee-hours worked in 1946 to an average of 18.8 in 1947.

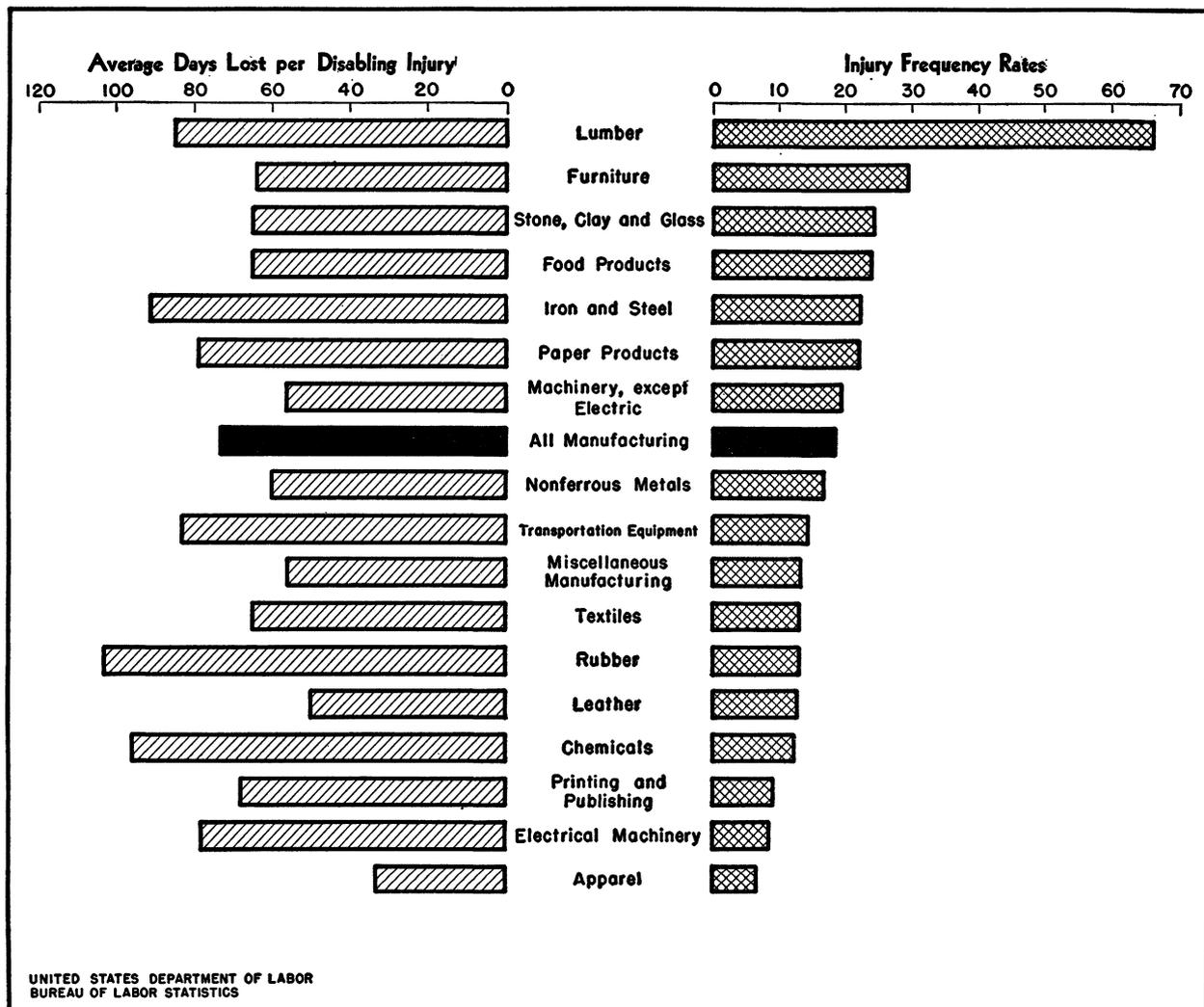
Among the 18 major groups of manufacturing industries, there were 12 for which the 1947 rates were at least a full frequency-rate point lower than their 1946 rates; 5 had rates which differed by less than a point from their 1946 levels; only one, the lumber and basic timber products group, had a higher rate than in 1946.

Well over half of the individual manufacturing industries had significantly lower rates in 1947 than in

1946. Of the 151 industries for which comparison was possible, 83 showed reductions of from 1 to 5 points in their frequency rates, and 9 showed reductions of over 5 points. For 36 industries the 1947

rates varied less than a full point from the 1946 averages. Only 23 industries had higher rates in 1947 than in 1946, and only 4 of these increases amounted to as much as 5 frequency-rate points.

**Chart 2.—Injury-Frequency Rates and Severity Averages, Major Manufacturing Groups, 1947**



Among the industries for which lower rates were recorded in 1947, the achievement of the relatively small boatbuilding and boat-repair industry was outstanding. For this group of plants the 1947 frequency rate was 33.8, a drop of nearly 14 points from the average of 47.7 in 1946. This was in sharp contrast to the rise in the rate for shipbuilding and ship repairs, which moved from 20.7 in 1946 to 28.1 in 1947. Other noteworthy rate reductions included slaughtering and meat pack-

ing, from 35.7 to 29.9; breweries, from 45.3 to 38.4; plywood mills, from 43.9 to 38.5; and plants manufacturing elevators, escalators, and conveyors, from 28.4 to 20.0.

The most pronounced rate increases were from 80.4 in 1946 to 102.8 in 1947 for logging; from 35.1 to 42.3 for planing mills; from 19.2 to 25.0 for battery manufacturing; and from 10.7 to 15.8 for plants manufacturing professional and scientific instruments and supplies.

The lowest injury-frequency rate recorded for any manufacturing industry in 1947 was 1.9 for the synthetic-rubber industry. The electric lamp (bulbs) industry was second with a rate of 3.3, followed by the women's and children's clothing industry, 4.3, and the aircraft industry, 4.8.

The highest frequency rate among the manufacturing industries was 102.8 for logging. Sawmills had a rate of 66.6, and combination saw- and planing-mills, a rate of 56.7. Other industries with outstandingly high rates included iron foundries, 44.5; structural clay products, 43.9; planing mills, 42.3; and wooden containers, 41.9.

*Nonmanufacturing.* Although there were a few individual industries which had significant changes in their 1947 frequency rates, the general level of rates for the nonmanufacturing industries included in the Bureau's survey held close to that of 1946.

In the construction group, the rate for building construction rose from 35.4 in 1946 to 38.7 in 1947. This was offset, however, by a drop in the rate for heavy engineering from 46.7 to 41.8 and from 50.5 to 46.8 in the rate for highway construction.

In the transportation group (excluding railroads and air transport), the 1947 rates were lower for stevedoring, streetcar operations, bus operations, and warehousing and storage, but were slightly higher for trucking and hauling. The stevedoring rate of 72.4 was again one of the highest recorded.

In the heat, light, and power group, the frequency rate for electric distribution systems rose slightly from 14.8 to 16.4, but this was balanced by a drop from 24.5 to 23.0 in the gas distribution rate.

None of the rates for the industries in the personal services group changed as much as a full point from their 1946 levels. The business service group, on the other hand, showed a general trend to lower rates, with particular improvement in the automobile-repair and miscellaneous-repair classifications.

Increases in the rates for wholesale distributors (18.5 to 20.3), filling stations (8.8 to 10.6), and miscellaneous retail stores (10.8 to 12.4) raised the general average for the trade group from 14.2 in 1946 to 16.4 in 1947. As in previous years, the rate for wholesale and retail building supply dealers (34.7) was the highest in the group. It

was, however, well below the 1946 rate of 41.3 for this industry.

Preliminary injury-frequency rates for the various classifications of mining and quarrying furnished by the United States Bureau of Mines were generally higher than the rates for most manufacturing industries. Anthracite mining, with a rate of 83.4, ranked near the top of the highest-rate group of industries. The more extensive bituminous-coal mining industry had a lower rate, 59.8, but this also was considerably higher than the rates for most manufacturing industries.

In the metal-mining group, the frequency rates for iron mining (24.5), gold-placer mining (33.5), and copper mining (44.7) were within the general range of rates for the manufacturing industries. The small gold-silver mining industry, however, had the highest rate recorded for any industry—108.4.

Cement quarries had the lowest injury rate (16.1) among the various quarry classifications. Limestone, the largest of the quarry classifications, had a rate of 44.6.

### **Injury Severity**

Although the injury-frequency rate is generally accepted as the most useful measure of injury experience, some measure of the relative severity of the injuries sustained is also recognized as essential for the complete evaluation of any injury record. The standard severity rate<sup>2</sup> has long been the yardstick most widely used for this purpose. In recent years, however, the significance of this rate has been seriously questioned. The principal criticisms have been that the severity of an injury cannot logically be related to the amount of time worked and that the method of computation makes it, in effect, merely a weighted frequency rate rather than a true measure of injury severity. Inasmuch as it expresses the total time charges, which in turn represent the economic consequences of the injuries, in terms of the actual time worked, it should be designated, more properly, as an operating cost measure. In this capacity it is useful in evaluating the economic loss experienced in a plant or industry as a result of work injuries.

As an accurate indicator of variations in the

<sup>2</sup> The severity rate is the average number of days lost, because of disabling work injuries, per 1,000 employee-hours worked.

actual severity of injuries, the disability distribution offers obvious advantages. Its computation is simple, involving only the classification of the injuries into well-defined groups and the computation of simple percentages. This avoids the introduction of any artificial or extraneous factors which might alter or confuse its meaning. Chief disadvantages are that it is somewhat cumbersome to use, inasmuch as a complete comparison requires reference to several sets of figures, and that it may not be entirely satisfactory when applied to small groups of injuries.

The most-favored single measure of average injury severity at the present time is the average time charge per disabling injury. This is computed by adding the amount of actual time lost because of temporary-total disabilities and the standard time charges for deaths and permanent impairments, and dividing the total by the number of injuries. It is most commonly referred to as the severity average or the average time charge.

In general, the severity of injuries reported in the manufacturing industries was less in 1947 than in 1946. The proportion of fatalities and permanent-total disabilities was unchanged at 0.3 percent of the total volume of injuries. The proportion of permanent-partial disabilities, however, dropped from 4.9 percent in 1946 to 4.4 percent in 1947, and the average time charge for these disabilities fell from 938 to 863 days. The average number of days lost per temporary-total disability also declined from 17 to 16 days. These shifts were reflected in the severity average, which dropped from 82 days per injury in 1946 to 73 days in 1947, and also in the severity rate, which dropped from 1.6 to 1.4.

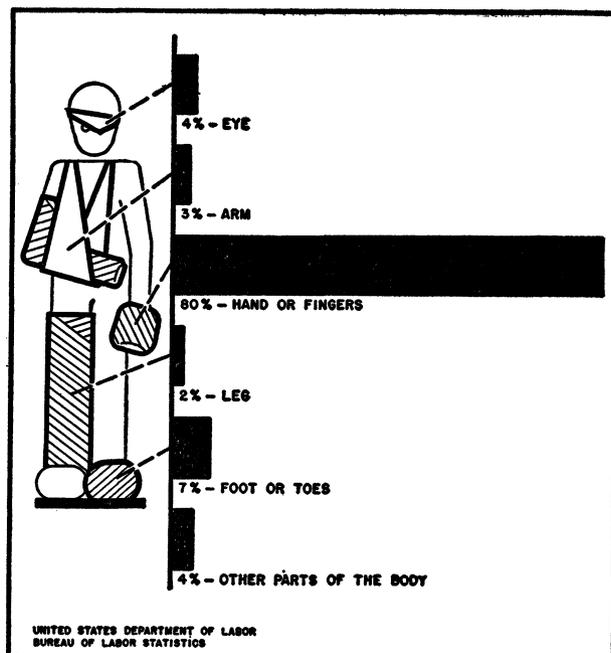
The highest ratio of time lost because of work injuries in any of the reporting industries was 10.6 days per 1,000 employee-hours worked, in stevedoring. This extremely high severity rate reflected the industry's high frequency of injuries, coupled with a high average time loss for temporary disabilities (28 days per case), and a high average time charge for permanent-partial disabilities (1,553 days). Other industries with unusually high severity rates included logging (9.7), cut stone and cut-stone products (6.0), heavy-engineering construction (5.4), and sawmills (5.3). In each of these industries a comparatively high frequency rate was coupled with a higher-than-average ratio of fatalities.

One of the highest severity averages, 203 days per disabling injury, was for the iron and steel industry. In this industry 1.7 percent of all reported disabilities were fatalities or permanent-total disabilities, and 7.0 percent were permanent-partial disabilities. The vegetable- and animal-oils industry also had a high ratio of fatalities (1.4 percent) and of permanent-partial impairments (5.5 percent) which gave it a severity average of 181 days per disability. Other high severity averages included: 164 days per disability for the paving and roofing materials industry; 162 for cut stone and cut-stone products; 150 for the electric light and power industry; and 146 for stevedoring. High ratios of fatalities or high average time charges for permanent-partial impairments were primarily responsible for each of these high severity averages.

### Permanent-Partial Disabilities

The survey reports indicated that 80 percent of all permanent-partial disabilities experienced by manufacturing workers in 1947 were cases involving the loss or impairment of a hand or of one or more fingers. Foot and toe cases accounted for 7 percent of the total; eye cases, for 4 percent; arm

Chart 3.—Parts of Body Affected by Permanent-Partial Disabilities, Manufacturing, 1947



cases, for 3 percent; leg cases, 2 percent; and other parts of the body, 4 percent.

In the metal-furniture, the stamped and pressed metal-products, the wooden-container, and the motor-vehicle parts industries, over 90 percent of all permanent-partial disabilities were impairments to hands or fingers. In contrast, only 32 percent of the permanent impairments in the gas distribution industry and 41 percent of those experienced in stevedoring affected these members. Foot and toe impairments were particularly prominent in the steam-fittings industry, heavy-engineering construction, and stevedoring. Relatively high proportions of eye impairments were reported in plate fabricating, saw- and planing-mills, and forging operations. Arm impairments accounted for 13 percent of all permanent disabilities in dyeing and finishing, and 11 percent in streetcar and bus operations. Leg impairments constituted less than 10 percent of the permanent disabilities in all of the manufacturing industries except logging, but assumed greater relative importance in gas distribution, bus and streetcar transportation, and wholesale and retail distribution of dairy products.

### Temporary-Total Disabilities

For the first time, the establishments participating in the 1947 survey were requested to supply a break-down of their temporary-total disabilities to show the number which resulted in less than 4 days of disability and the number causing four or more days of disability. It was also requested that the total amount of lost time should be broken down on the same bases. Comparisons based upon these break-downs should assist in the evaluation of injury severity. The break-down should also facilitate comparisons between injury

records based upon the standard method of including all injuries which result in one or more days of disability and those which include only injuries resulting in more than 3 days of disability. Tabulations prepared from workmen's compensation records frequently are compiled on the latter basis and require the application of an adjustment factor to make them comparable with "standard" tabulations.

Not all of the reporting establishments were able to provide the requested break-down. In the manufacturing group, however, the distribution was supplied for 122,903 temporary-total disabilities with a total of 1,782,115 days lost. Cases involving less than 4 days of lost time constituted 34.5 percent of the total number of injuries, but accounted for only 5.6 percent of the lost time.

Among the individual manufacturing industries the ratio of 1-, 2-, and 3-day injuries varied from 12.8 percent of all temporary-total disabilities in the synthetic textile fibers industry to 52.3 percent in the aircraft parts industry. Other manufacturing industries with high proportions of short disabilities included: Professional and scientific instruments and supplies (52.2 percent); brooms and brushes (51.3 percent); women's and children's clothing (48.0 percent); elevators, escalators, and conveyors (47.2 percent); and office, store, and restaurant fixtures (47.0 percent). With the exception of brooms and brushes, each of these industries had a relatively low severity average.

Nonmanufacturing industries with high proportions of 1-, 2-, and 3-day disabilities include: Dry cleaning with 53.8 percent of all temporary-total disabilities in this category; retail apparel, 51.1 percent; eating and drinking places, 46.0 percent; highway construction, 45.7 percent; hotels, 43.9 percent; and building construction, 43.2 percent.

## Appendix Tables

Injury-frequency and severity rates, severity averages, and the disability distribution for individual industries and for industry groups are shown in table A. The group rates were computed by weighting the individual industry rates according to the total employment in each industry.

Table B shows changes in employment, employee-hours worked, disabling injuries, and days lost for establishments which reported for both 1946 and 1947.

Over-all injury estimates for individual industries are shown in table C. As in the past, only such industries are shown as had a reporting group

sufficiently large to warrant the extension of the reported data to the industry as a whole. Because of the conservative methods of estimating, the list of industries shown falls considerably short of the list in table A.

The percentage distribution of permanent impairments according to the part of the body affected is shown in industry detail in table D.

Table E is included for the first time. It shows, for a considerable number of industries, the proportion of all temporary-total disabilities which involve less than 4 days of lost time per case. Because many reporting establishments did not

supply this detail the coverage for some industries was insufficient for inclusion in this break-down.

Table F shows the general trend of industrial safety in terms of indexes of injury-frequency rates. These yearly indexes are based upon the percent change in the rates of establishments which reported in both the current and preceding year. As they do not reflect the effect of expansion or contraction in the number of operating plants they should not be considered as indicating the general frequency rate level at any given time. They do indicate the safety trend in the plants having continuing operations.

**Chart 4.—Industrial Injury-Frequency Rates in Manufacturing, by Types of Disability**

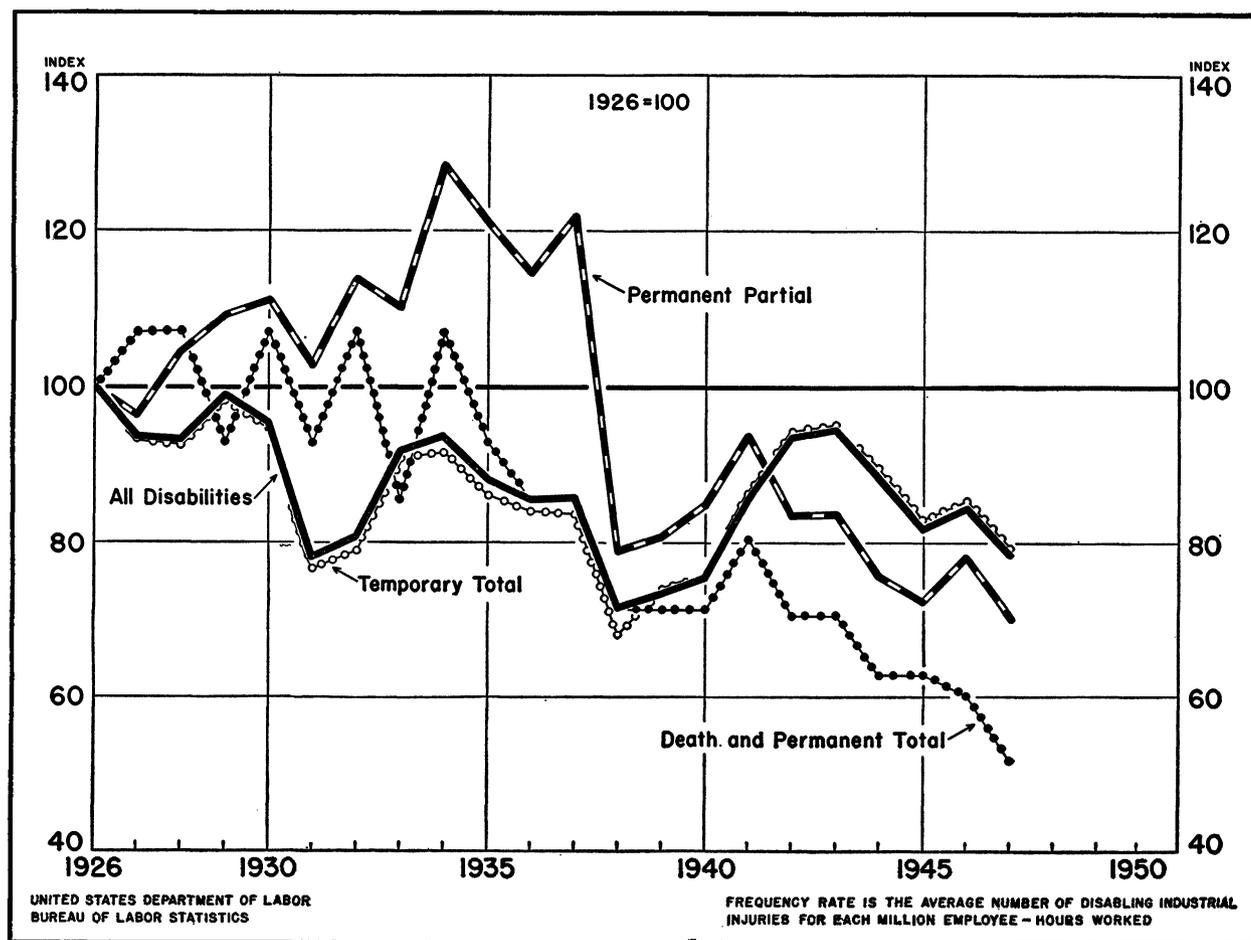


TABLE A.—Injury rates and injuries by extent of disability, 1947

[All reporting establishments]

Industry	Number of establishments	Average number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost and charged per disability 1—			Injury rates 4—	
					Death and permanent-total disability 3	Permanent-partial disability	Temporary-total disability	All disabilities 2	Permanent-partial disability	Temporary-total disability	Frequency	Severity 1
All industries 4	51,994	10,323,623	21,307,506	359,094								
<i>Manufacturing</i>												
Total, manufacturing	33,162	8,318,009	16,917,671	295,016	0.3	4.4	95.3	73	863	16	18.8	1.4
Apparel and other finished textile products	2,000	229,117	428,999	2,964	.1	1.7	98.2	33	723	13	6.9	1.2
Clothing, men's and boys'	737	121,637	228,883	1,600	.1	.9	99.0	25	957	10	7.0	.2
Clothing, women's and children's	805	67,164	122,475	3,522	.6	.6	99.4	11	450	9	4.3	(?)
Millinery	65	2,351	4,264	23	(?)	(?)	(?)	(?)	(?)	(?)	5.4	.1
Apparel and accessories, not elsewhere classified	79	7,937	14,516	112	(?)	(?)	(?)	(?)	(?)	(?)	7.7	.4
Trimmings and fabricated textile products, not elsewhere classified	314	30,028	58,859	707	.2	3.6	96.2	55	639	21	12.0	.6
Chemicals and allied products	2,111	580,115	1,182,771	13,963	.5	4.1	95.4	96	1,189	15	12.6	1.7
Compressed and liquefied gases	64	9,401	19,665	193	(?)	(?)	(?)	(?)	(?)	(?)	9.8	.6
Drugs, toiletries, and insecticides	306	64,610	127,639	1,532	.3	3.9	96.1	56	1,048	16	12.0	.7
Explosives	64	12,101	24,153	128	(?)	(?)	(?)	(?)	(?)	(?)	5.3	3.5
Fertilizers	418	24,260	48,554	1,534	.5	2.5	97.0	78	1,269	15	31.6	2.5
Industrial chemicals	402	133,650	273,902	3,598	.4	5.2	94.4	107	1,241	17	13.1	2.0
Paints, varnishes, and colors	391	43,166	88,961	1,539	.6	2.7	96.7	69	859	12	17.3	1.4
Paving and roofing materials	35	6,884	14,419	235	.9	7.2	91.9	164	1,306	20	16.3	2.7
Petroleum refining 5	(?)	145,000	302,500	2,742	1.5	(?)	(?)	(?)	(?)	(?)	9.1	(?)
Plastic materials, except rubber	49	22,498	46,834	339	(?)	(?)	(?)	(?)	(?)	(?)	7.2	1.7
Soap and glycerin	129	21,947	45,361	427	.9	2.8	96.3	30	450	12	9.4	1.3
Synthetic rubber	7	7,850	15,936	31	(?)	(?)	(?)	(?)	(?)	(?)	1.9	.8
Synthetic textile fibers	27	62,565	119,363	688	.1	1.5	98.5	31	1,160	14	5.8	.8
Vegetable and animal oils	37	4,946	10,699	218	1.4	5.5	93.1	181	1,588	12	20.4	3.7
Not elsewhere classified	182	21,237	44,878	759	.4	7.8	91.8	120	1,075	14	16.9	2.3
Electrical machinery, equipment, and supplies	1,066	680,126	1,362,061	12,192	.2	6.9	92.9	78	714	17	8.8	1.8
Automotive electrical equipment	34	19,100	37,279	714	(?)	(?)	(?)	(?)	(?)	(?)	19.2	.4
Batteries	47	15,503	30,821	770	.3	1.4	98.3	43	1,100	11	25.0	1.0
Communication and signaling equipment, except radio	43	84,016	174,960	904	(?)	(?)	(?)	(?)	(?)	(?)	5.2	1.0
Electrical appliances	72	35,857	69,111	1,040	.3	8.3	91.7	77	785	13	15.0	1.3
Electrical equipment for industrial use	547	328,555	665,590	6,298	.3	8.0	91.7	91	688	19	9.5	.9
Electric lamps (bulbs)	30	23,691	46,812	153	(?)	(?)	(?)	(?)	(?)	(?)	3.3	1.4
Insulated wire and cable	41	15,569	31,210	426	(?)	(?)	(?)	(?)	(?)	(?)	13.6	.3
Radios and phonographs	218	145,053	282,601	1,759	.3	5.3	94.7	43	572	14	6.2	.3
Not elsewhere classified	34	12,782	23,672	128	(?)	(?)	(?)	(?)	(?)	(?)	5.4	(?)
Food products	4,171	536,754	1,112,622	29,036	.3	3.0	96.7	65	1,118	14	24.0	1.6
Baking	689	61,984	131,290	2,372	.3	2.8	96.9	58	929	14	18.1	1.1
Beverages, not elsewhere classified	284	6,998	14,349	463	.3	1.3	98.7	25	1,142	10	32.3	.8
Breweries	284	53,898	114,591	4,399	.3	4.9	94.8	96	1,295	13	38.4	3.7
Canning and preserving	418	72,427	120,619	3,290	.4	3.4	96.2	79	1,126	19	27.3	3.7
Confectionery	261	42,879	84,205	1,353	.4	4.3	95.6	60	966	14	16.1	1.0
Dairy products	359	23,810	55,760	1,266	.4	2.0	97.6	56	991	15	22.7	1.3
Distilleries	135	30,431	61,220	715	.5	3.2	96.3	34	1,157	21	11.7	.9
Flour, feed, and grain-mill products	545	50,589	108,585	2,943	.3	2.7	97.0	65	1,219	13	27.1	2.0
Slaughtering and meat packing	828	135,977	298,426	8,929	.2	1.4	98.4	31	684	11	29.9	1.3
Sugar refining	99	29,166	62,649	2,056	.6	2.5	96.9	76	1,033	16	32.8	2.5
Not elsewhere classified	269	28,595	60,922	1,250	.1	1.5	98.4	39	1,185	14	20.5	1.1
Furniture and finished lumber products	2,262	232,439	477,794	14,366	.2	5.4	94.4	64	743	12	29.5	2.0
Furniture, metal	82	22,277	45,548	891	.1	8.1	91.8	59	517	11	19.6	1.1
Furniture, except metal	838	95,069	197,597	5,569	.2	6.3	93.5	72	774	12	28.2	2.1
Mattresses and bedsprings	272	21,329	42,773	1,066	.4	3.6	96.4	27	458	11	24.9	.8
Morticians' supplies	102	7,413	14,271	357	.3	2.8	97.2	44	1,200	10	25.0	1.1
Office, store, and restaurant fixtures	116	11,346	22,755	543	.4	4.4	95.6	40	700	10	23.9	1.0
Wooden containers	470	42,180	86,228	3,610	.4	4.1	95.5	66	734	13	41.9	2.8
Not elsewhere classified	382	32,825	68,618	2,330	.3	4.1	95.6	68	892	14	34.0	2.7
Iron and steel and their products	4,655	1,469,141	2,962,106	61,828	.5	4.9	94.6	91	836	18	22.3	1.9
Bolts, nuts, washers, and rivets	82	21,893	44,947	868	.3	3.5	96.5	50	940	17	19.6	.8
Cold finished steel	46	12,323	25,535	581	.3	7.3	92.7	38	957	20	22.8	2.1
Cutlery and edge tools	126	23,453	49,199	1,161	.3	5.3	94.7	63	972	12	23.6	1.6
Fabricated structural steel	420	57,754	119,526	3,261	.4	4.7	94.9	77	757	16	27.3	1.8
Forgings, iron and steel	172	52,928	106,049	3,011	.2	4.5	95.3	49	608	13	24.4	1.6
Foundries, iron	792	138,438	284,342	12,644	.3	2.1	97.6	50	1,028	12	44.5	2.3
Foundries, steel	127	52,800	104,883	3,380	.8	2.7	96.5	36	653	21	32.2	2.1
Hardware	177	57,204	114,716	1,831	.2	9.3	90.5	84	612	17	16.0	1.4
Heating equipment, not elsewhere classified	250	61,102	120,829	4,148	.3	4.4	95.3	62	783	13	34.3	2.4
Iron and steel	206	539,887	1,083,576	8,880	1.7	7.0	91.3	203	949	36	8.2	1.7
Metal coating and engraving	120	13,758	26,781	770	.3	3.9	95.8	49	570	11	28.8	1.5
Ornamental metal work	119	11,830	24,475	681	.4	2.6	97.0	52	600	11	27.8	1.5
Plate fabrication and boiler-shop products	218	40,951	83,307	3,099	.4	4.5	95.1	36	992	17	37.2	2.7
Plumbers' supplies	107	40,894	82,917	1,933	.3	2.2	97.5	54	864	17	23.3	1.2

See footnotes at end of table.

TABLE A.—Injury rates and injuries by extent of disability, 1947—Continued

Industry	Number of establishments	Average number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost and charged per disability 1—			Injury rates 2—	
					Death and permanent-total disability 3	Permanent-partial disability	Temporary-total disability	All-disabilities 3	Permanent-partial disability	Temporary-total disability	Frequency	Severity 1
<i>Manufacturing—Continued</i>												
<b>Iron and steel and their products—Con.</b>												
Screw-machine products.....	178	26,925	56,169	1,084	-----	6.6	93.4	52	629	11	19.3	1.1
Sheet-metal work.....	130	11,881	23,991	580	-----	3.1	96.9	46	978	16	24.2	1.3
Stamped and pressed metal products, not elsewhere classified.....	437	103,207	207,468	4,853	.3	7.5	92.2	89	783	14	23.4	2.1
Steam fittings and apparatus.....	180	40,260	80,496	2,030	.4	6.1	93.5	91	870	15	25.2	3.1
Steel barrels, kegs, drums, and packages.....	39	7,832	16,335	317	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	19.4	1.4
Steel springs.....	33	13,960	27,263	578	-----	5.9	94.1	57	736	15	21.2	1.0
Tin cans and other tinware.....	81	27,841	57,272	1,067	-----	8.4	91.6	66	592	18	18.6	1.4
Tools, except edge tools.....	196	27,143	55,019	1,304	.1	5.5	94.4	55	624	13	23.7	1.5
Vitreous-enameled products.....	20	5,268	10,090	231	-----	4.8	95.2	46	600	19	22.9	1.1
Wire and wire products.....	220	54,637	106,741	2,296	.4	4.5	95.1	85	938	17	21.5	2.0
Wrought pipes, welded and heavy-riveted.....	17	6,623	12,840	311	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	24.2	2.0
Not elsewhere classified.....	162	18,349	37,931	929	.1	5.2	94.7	69	875	15	24.5	1.8
<b>Leather and leather products.....</b>	732	178,615	350,046	4,746	.2	3.1	96.7	50	784	14	<sup>5</sup> 13.0	<sup>5</sup> 6
Boots and shoes, not rubber.....	444	136,834	265,830	2,549	.2	3.5	96.3	50	698	12	9.6	.4
Leather.....	171	32,356	66,067	1,942	.2	2.3	97.5	45	899	15	29.4	1.4
Not elsewhere classified.....	117	9,425	18,128	255	-----	6.7	93.3	61	712	14	14.1	.9
<b>Lumber and timber basic products.....</b>	1,667	141,714	292,945	16,660	.6	2.8	96.6	85	1,102	17	<sup>5</sup> 66.0	<sup>5</sup> 9
Logging.....	239	19,742	37,887	3,895	.8	1.9	97.3	95	1,424	17	102.8	9.7
Sawmills.....	510	37,593	76,558	5,096	.5	2.7	96.8	78	1,122	18	66.6	5.3
Sawmills and planing mills combined.....	128	20,302	42,604	2,416	.4	3.5	96.1	75	990	18	56.7	4.0
Planing mills.....	246	14,893	32,158	1,359	.8	5.0	94.2	111	1,013	13	42.3	4.1
Plywood mills.....	69	14,681	31,967	1,281	.4	5.9	93.7	88	884	15	38.5	3.5
Veneer mills.....	67	5,939	13,241	521	.8	3.3	95.9	104	1,179	16	39.3	4.8
Millwork (structural).....	408	28,564	58,528	2,142	.3	3.2	96.5	57	620	19	36.6	2.6
<b>Machinery, except electric.....</b>	3,586	1,105,450	2,245,598	41,897	.2	5.1	94.7	56	672	13	<sup>5</sup> 19.7	<sup>5</sup> 1.2
Agricultural machinery and tractors.....	229	134,092	270,664	6,341	-----	5.8	94.2	50	686	11	23.4	1.7
Bearings, ball and roller.....	53	40,502	78,150	1,124	-----	4.8	95.2	37	450	16	14.4	.5
Commercial and household machinery.....	235	195,957	394,653	4,582	.4	7.8	91.8	84	652	13	11.6	1.0
Construction and mining machinery.....	295	93,150	192,277	5,472	.2	3.5	96.3	54	879	14	28.5	1.8
Elevators, escalators, and conveyors.....	53	15,290	32,472	660	-----	4.0	96.0	28	422	11	20.0	.7
Engines and turbines.....	76	85,260	173,678	2,354	1.0	4.8	94.2	132	1,009	25	13.6	1.5
Fabricated pipe and fittings.....	9	1,158	2,348	69	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	29.4	.9
Food-products machinery.....	145	27,627	57,633	1,418	.2	4.6	95.2	54	668	12	24.6	1.3
General industrial machinery and equipment, not elsewhere classified.....	499	126,613	254,508	5,740	.1	5.4	94.5	53	676	12	22.6	1.2
General machine shops (jobbing and repair).....	317	16,347	32,994	817	-----	3.4	96.6	52	1,218	12	24.8	1.5
Mechanical measuring and controlling instruments.....	89	36,743	71,638	1,003	-----	4.5	95.5	47	790	12	14.0	.6
Mechanical power transmission equipment, except ball and roller bearings.....	86	30,008	60,329	1,227	-----	6.9	93.1	47	450	18	20.3	1.0
Metalworking machinery.....	868	164,343	335,637	5,200	.2	6.3	93.5	56	544	13	15.5	1.0
Pumps and compressors.....	131	37,403	77,782	1,564	-----	3.9	96.1	33	523	13	20.1	.6
Special industry machinery, not elsewhere classified.....	376	73,710	154,392	3,300	.2	4.2	95.6	48	575	12	21.4	1.0
Textile machinery.....	125	27,247	56,437	1,036	-----	3.4	96.6	32	550	14	18.4	.8
<b>Nonferrous metals and their products.....</b>	808	209,820	441,647	7,844	.1	5.7	94.2	60	642	18	<sup>5</sup> 17.1	<sup>5</sup> 8
Aluminum and magnesium products.....	50	15,134	30,969	644	-----	7.0	93.0	55	534	19	20.8	.9
Foundries, nonferrous.....	386	32,029	64,289	1,737	.2	3.9	95.9	60	742	12	27.0	1.5
Nonferrous basic shapes and forms.....	42	38,990	78,529	1,229	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	15.7	.9
Primary smelting and refining: 3												
Copper.....	( <sup>o</sup> )	12,400	31,940	707	<sup>10</sup> 1.0	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	22.1	( <sup>o</sup> )
Lead-silver.....	( <sup>o</sup> )	4,000	10,840	194	<sup>10</sup> 2.1	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	17.9	( <sup>o</sup> )
Zinc.....	( <sup>o</sup> )	10,500	28,670	996	<sup>10</sup> 1.1	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	34.7	( <sup>o</sup> )
Miscellaneous.....	( <sup>o</sup> )	6,100	14,180	362	<sup>10</sup> 0.6	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	25.5	( <sup>o</sup> )
Watches, clocks, jewelry, and silverware.....	134	41,500	84,052	671	-----	9.2	90.8	51	414	14	8.0	.3
Not elsewhere classified.....	196	49,167	98,175	1,304	.2	6.7	93.1	91	830	26	13.3	1.0
<b>Ordnance and accessories.....</b>	24	33,404	69,435	392	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	5.6	.4
<b>Paper and allied products.....</b>	1,411	315,126	679,190	15,295	.3	4.6	95.1	79	1,039	15	<sup>5</sup> 22.1	<sup>5</sup> 1.9
Envelopes.....	77	8,445	17,559	216	-----	3.2	96.8	45	893	17	12.3	.6
Paper boxes and containers.....	623	63,112	130,053	2,794	.2	8.1	91.7	109	1,073	14	21.5	2.6
Paper and pulp.....	491	204,191	451,184	10,630	.4	3.2	96.4	74	1,061	17	23.6	1.9
Not elsewhere classified.....	220	39,378	80,392	1,655	.2	3.7	96.1	62	947	13	20.6	1.4
<b>Printing and publishing.....</b>	2,582	212,970	428,208	3,995	.3	4.2	95.5	68	944	13	<sup>5</sup> 9.4	<sup>5</sup> .7
Book and job printing.....	1,674	103,954	211,869	1,982	.3	5.4	94.3	90	1,110	13	9.4	.8
Bookbinding.....	61	4,466	9,112	91	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	( <sup>o</sup> )	10.0	.4
News and periodical.....	847	104,550	207,226	1,922	.3	3.0	96.7	50	706	13	9.3	.5

See footnotes at end of table.

TABLE A.—Injury rates and injuries by extent of disability, 1947—Continued

Industry	Number of establishments	Average number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost and charged per disability 1—			Injury rates 2—	
					Death and permanent-total disability <sup>3</sup>	Permanent-partial disability	Temporary-partial disability	All disabilities <sup>3</sup>	Permanent-partial disability	Temporary-partial disability	Frequency	Severity <sup>1</sup>
<i>Manufacturing—Continued</i>												
Rubber products.....	280	222,627	445,104	5,793	0.2	6.8	93.0	103	1,088	16	13.2	1.4
Rubber boots and shoes.....	32	34,654	70,917	698	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	9.8	.5
Rubber tires and tubes.....	41	109,440	217,185	2,287	.6	5.0	94.4	90	706	22	10.5	1.1
Not elsewhere classified.....	207	78,533	157,001	2,808	.2	7.8	92.0	116	1,189	14	17.9	2.0
Stone, clay, and glass products.....	1,299	247,714	516,324	11,814	.5	2.5	97.0	65	904	14	24.3	1.9
Cement mills (excluding quarries) <sup>4</sup> .....	( <sup>0</sup> )	24,100	61,800	670	10 2.2	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	10.8	( <sup>0</sup> )
Clay products (structural).....	445	43,426	88,674	3,892	.6	1.5	97.9	58	737	13	43.9	2.7
Concrete, gypsum, and plaster products.....	270	11,869	26,180	946	.2	3.4	96.4	80	1,328	25	36.1	2.8
Cut stone and cut-stone products.....	74	2,793	5,873	216	2.3	2.8	94.9	162	400	13	36.8	6.0
Glass.....	223	94,807	190,603	3,017	.1	3.1	96.8	56	1,019	17	15.8	.8
Pottery and related products.....	142	34,760	71,471	1,508	.5	1.9	97.6	56	753	12	21.1	1.2
Not elsewhere classified.....	145	35,959	71,720	1,565	.6	5.1	94.3	89	869	12	21.8	2.1
Textile and textile-mill products.....	2,506	769,821	1,543,089	20,767	.2	3.9	95.9	65	1,014	16	13.2	1.0
Carpets, rugs, and other floor coverings.....	88	37,779	78,275	1,399	-----	9.6	90.4	102	921	15	17.9	1.8
Cordage and twine.....	56	9,696	19,220	447	-----	5.4	94.6	54	681	18	23.3	1.2
Cotton yarn and textiles.....	561	305,369	607,356	7,423	.2	3.8	96.0	68	1,030	17	12.2	1.0
Dyeing and finishing textiles.....	363	62,686	127,936	2,457	.1	3.7	96.2	67	1,272	18	19.2	1.5
Hats, except cloth and millinery.....	25	7,490	13,792	178	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	12.9	.3
Knit goods.....	704	129,806	265,329	1,821	.2	3.0	96.8	48	928	12	6.9	.3
Rayon and other synthetic and silk textiles.....	215	64,986	132,225	1,376	.2	1.7	98.1	50	1,287	16	10.4	.5
Woolen and worsted textiles.....	398	140,593	276,502	5,132	.3	2.3	97.4	57	938	16	18.6	1.3
Not elsewhere classified.....	66	11,416	22,450	534	.3	3.5	96.2	84	1,495	12	23.8	2.1
Transportation equipment.....	858	884,495	1,760,592	23,803	.3	6.3	93.4	83	717	22	14.2	1.1
Aircraft.....	29	129,696	257,987	1,234	-----	10.6	89.4	126	1,010	21	4.8	.7
Aircraft parts.....	66	68,695	136,791	1,520	.1	4.1	95.8	48	674	15	11.1	.6
Boatbuilding and repairs.....	80	4,496	9,264	313	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	33.8	1.2
Motor vehicles.....	214	312,084	617,684	5,843	.1	8.8	91.1	94	713	25	9.5	.7
Motor-vehicle parts.....	187	199,257	393,276	6,924	.1	6.7	93.2	60	622	12	17.6	.9
Railroad equipment.....	93	73,980	153,048	2,741	.3	4.4	95.3	77	833	21	17.9	1.3
Shipbuilding and repairs.....	168	85,667	172,742	4,849	.9	3.0	96.1	114	896	37	28.1	3.2
Not elsewhere classified.....	21	10,620	19,800	379	.3	6.9	92.8	64	531	13	19.1	1.2
Miscellaneous manufacturing.....	1,168	301,965	619,140	7,661	.1	4.6	95.3	56	767	14	13.5	1.0
Brooms and brushes.....	77	8,197	17,245	313	.3	2.2	97.5	76	2,114	10	18.2	1.4
Coke ovens: <sup>5</sup>	( <sup>0</sup> )	2,900	5,990	224	10 1.8	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	37.4	( <sup>0</sup> )
Byproduct.....	( <sup>0</sup> )	20,800	60,730	705	10 1.4	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	11.6	( <sup>0</sup> )
Fabricated plastic products.....	140	23,639	47,299	856	.2	7.5	92.3	93	951	13	18.1	2.2
Optical and ophthalmic goods.....	45	19,103	38,554	303	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	7.9	.3
Photographic apparatus and materials.....	50	51,309	100,533	627	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	6.2	.7
Professional and scientific instruments and supplies.....	131	30,431	61,871	979	-----	2.3	97.7	36	472	26	15.8	.9
Tobacco products.....	195	52,527	98,027	737	.1	3.3	96.6	42	696	11	7.5	.3
Not elsewhere classified.....	530	93,059	188,838	2,917	.1	5.7	94.2	57	671	13	15.4	1.0
<i>Nonmanufacturing</i>												
Construction <sup>11</sup> .....	2,297	( <sup>0</sup> )	276,197	11,384	.8	2.2	97.0	87	1,259	14	40.9	3.6
Building construction.....	1,640	( <sup>0</sup> )	164,004	6,351	.6	2.3	97.1	78	1,348	13	38.7	3.0
Heavy engineering.....	186	( <sup>0</sup> )	57,723	2,411	1.3	2.5	96.2	129	1,269	19	41.8	5.4
Highway construction.....	339	( <sup>0</sup> )	45,044	2,109	.6	1.8	97.6	63	941	11	46.8	2.9
Not elsewhere classified.....	128	( <sup>0</sup> )	9,289	500	1.2	1.2	97.6	96	1,100	11	53.8	5.2
Communication <sup>11</sup> .....	569	548,569	982,170	2,922	.6	.5	98.9	58	1,200	15	3.0	.2
Telephone (wire and radio).....	118	532,033	950,242	2,865	.6	.4	99.0	57	1,155	15	3.0	.2
Radio broadcasting and television.....	451	16,536	31,928	57	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	1.8	.2
Transportation <sup>11</sup> .....	1,175	220,204	552,519	15,169	.4	2.1	97.5	76	1,453	20	27.5	2.1
Stevedoring.....	73	( <sup>0</sup> )	41,022	2,971	.5	5.8	93.7	146	1,553	28	72.4	10.6
Streetcar.....	19	10,909	24,840	546	.2	2.4	97.4	67	1,777	14	22.0	1.5
Bus.....	259	36,667	85,768	1,364	.5	2.6	96.9	76	1,206	14	15.9	1.2
Streetcar and bus.....	52	98,674	234,874	5,226	.3	.9	98.8	53	1,514	23	22.3	1.2
Trucking and hauling.....	456	13,186	28,947	1,107	.5	1.6	97.9	60	914	13	38.2	2.3
Warehousing and storage.....	252	15,826	31,848	1,067	.3	2.4	97.3	62	1,356	13	33.5	2.1
Not elsewhere classified.....	62	2,331	5,399	20	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	3.7	.2
Heat, light, and power <sup>11</sup> .....	609	334,560	695,938	12,597	1.3	2.1	96.6	127	1,608	15	18.1	2.3
Electric light and power.....	376	245,807	512,074	8,373	1.7	2.0	96.3	150	1,629	16	16.4	2.5
Gas.....	219	88,237	182,720	4,201	.5	2.3	97.2	80	1,573	12	23.0	1.8
Steam heat and power.....	14	516	1,143	23	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	( <sup>0</sup> )	20.1	.2
Waterworks <sup>11</sup> .....	151	10,018	21,230	445	.2	.9	98.9	41	1,225	17	21.0	.9

See footnotes at end of table.

TABLE A.—Injury rates and injuries by extent of disability, 1947—Continued

Industry	Number of establishments	Average number of employees	Employee-hours worked (thousands)	Number of disabling injuries	Percent of disabling injuries resulting in 1—			Average days lost and charged per disability 2—			Injury rates 3—	
					Death and permanent-total disability 4	Permanent-partial disability	Temporary-total disability	All disabilities 5	Permanent-partial disability	Temporary-total disability	Frequency	Severity 1
<b>Nonmanufacturing—Continued</b>												
Personal services.....	3,135	177,627	379,875	3,783	0.4	2.5	97.1	69	1,316	12	10.0	0.7
Dry cleaning.....	615	19,382	40,922	224	.4	4.0	95.6	78	1,004	12	5.5	.4
Laundries.....	589	31,616	67,164	538	.4	3.0	96.6	64	919	15	8.0	.5
Laundry and dry cleaning.....	465	39,282	86,433	726	.5	4.0	95.5	115	1,771	12	8.4	.9
Amusements and related services.....	145	10,855	20,657	155	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	7.5	1.9
Hotels.....	398	61,440	113,491	1,746	.3	1.1	98.6	37	890	10	15.3	.6
Eating and drinking places.....	635	13,586	27,582	284	.7	.7	99.3	13	300	11	10.3	.1
Medical and other professional services.....	159	8,546	17,709	66	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	3.7	.9
Miscellaneous personal services.....	129	2,920	5,363	44	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	7.5	.1
Business services.....	2,520	182,372	356,217	1,590	.2	2.4	97.4	57	1,332	14	4.5	.3
Banks and other financial agencies.....	862	53,488	104,296	277	.3	3.2	96.8	54	1,244	14	2.7	.1
Insurance.....	462	96,305	186,344	376	.3	1.6	98.1	72	2,517	16	2.0	.1
Real estate.....	239	4,779	9,893	48	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	4.9	.1
Miscellaneous business services.....	342	18,730	35,868	439	.2	3.9	95.9	73	1,191	14	12.2	.9
Automobile repair shops and garages.....	356	4,826	10,854	196	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	18.1	1.0
Miscellaneous repair services.....	259	4,244	8,960	254	.2	1.2	98.8	18	400	13	28.3	.5
Educational services.....	208	122,076	204,414	1,632	.4	1.6	98.0	58	1,394	14	8.0	.5
Fire departments.....	211	27,834	96,285	2,392	1.1	.5	98.4	97	2,618	18	24.8	2.4
Police departments.....	159	18,585	44,435	1,298	1.3	.5	98.2	107	1,957	18	29.1	3.1
Trade 11.....	7,798	363,769	739,223	11,263	.3	2.0	97.7	50	1,063	12	16.4	4.8
Wholesale distributors.....	2,437	88,059	185,453	3,771	.3	1.8	97.9	50	1,148	12	20.3	1.0
Retail, general merchandise.....	439	111,070	195,169	1,139	.2	.8	99.0	30	822	13	5.8	.2
Retail food.....	689	32,315	71,819	1,339	.2	.9	99.1	18	788	11	18.6	.3
Wholesale and retail dairy products.....	358	22,646	54,945	1,344	.3	3.0	96.7	77	1,491	15	24.5	1.9
Retail automobiles and accessories.....	751	17,754	39,774	740	.1	2.0	97.9	38	1,020	9	18.6	.7
Filling stations.....	180	2,418	5,558	59	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	10.6	1.3
Retail apparel and accessories.....	628	26,738	52,854	247	.4	4.4	99.2	33	300	8	4.7	.2
Miscellaneous retail stores.....	1,424	33,563	70,772	876	.5	2.2	97.3	59	911	13	12.4	.7
Wholesale and retail building supplies.....	541	16,433	35,659	1,238	.5	4.7	94.8	86	914	15	34.7	3.0
Wholesale and retail trade, not elsewhere classified.....	351	12,773	27,216	510	.2	.8	99.0	29	350	15	18.7	.6
Mining and quarrying: 8												
Coal mines:												
Bituminous.....	( <sup>6</sup> )	390,500	781,160	46,690	10 2.1	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	59.6	( <sup>6</sup> )
Anthracite.....	( <sup>6</sup> )	78,500	152,000	12,675	10 1.4	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	83.4	( <sup>6</sup> )
Metal mines:												
Iron.....	( <sup>6</sup> )	26,400	58,890	1,441	10 2.5	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	24.5	( <sup>6</sup> )
Copper.....	( <sup>6</sup> )	16,100	39,510	1,767	10 1.8	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	44.7	( <sup>6</sup> )
Lead-zinc.....	( <sup>6</sup> )	16,800	35,540	3,233	10 1.0	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	91.0	( <sup>6</sup> )
Gold-silver.....	( <sup>6</sup> )	5,600	11,570	1,254	10 1.1	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	108.4	( <sup>6</sup> )
Gold-placer.....	( <sup>6</sup> )	3,500	6,930	232	10 .9	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	33.5	( <sup>6</sup> )
Miscellaneous metal.....	( <sup>6</sup> )	3,200	7,150	677	10 1.0	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	94.7	( <sup>6</sup> )
Nonmetal mines.....	( <sup>6</sup> )	12,300	29,280	1,347	10 .9	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	46.0	( <sup>6</sup> )
Quarries:												
Cement (excluding mills).....	( <sup>6</sup> )	4,400	9,440	152	10 4.6	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	16.1	( <sup>6</sup> )
Limestone.....	( <sup>6</sup> )	25,600	44,560	1,987	10 1.4	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	44.6	( <sup>6</sup> )
Lime.....	( <sup>6</sup> )	9,400	22,680	1,236	10 .5	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	54.5	( <sup>6</sup> )
Marble.....	( <sup>6</sup> )	2,900	6,420	167	10 1.2	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	26.0	( <sup>6</sup> )
Granite.....	( <sup>6</sup> )	5,700	12,280	767	10 .3	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	62.5	( <sup>6</sup> )
Traprock.....	( <sup>6</sup> )	2,600	5,290	271	10 .4	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	51.2	( <sup>6</sup> )
Slate.....	( <sup>6</sup> )	1,700	4,510	243	10 1.2	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	53.9	( <sup>6</sup> )
Sandstone.....	( <sup>6</sup> )	3,900	7,910	461	10 1.3	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	58.3	( <sup>6</sup> )
Ore dressing (mills and auxiliaries):												
Copper.....	( <sup>6</sup> )	5,900	15,330	302	10 .7	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	19.7	( <sup>6</sup> )
Iron.....	( <sup>6</sup> )	3,300	6,680	92	10 2.2	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	13.8	( <sup>6</sup> )
Gold-silver.....	( <sup>6</sup> )	1,000	2,330	117	10 1.7	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	50.2	( <sup>6</sup> )
Lead-zinc.....	( <sup>6</sup> )	4,300	9,270	272	10 .7	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	29.3	( <sup>6</sup> )
Miscellaneous metals.....	( <sup>6</sup> )	1,300	2,770	100	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	36.1	( <sup>6</sup> )

<sup>1</sup> Based on reports which furnished details regarding the resulting disabilities, constituting approximately 60 percent of the total sample.

<sup>2</sup> 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 Standards Association, 1945. Relatively few of the injuries resulting from the Texas City disaster were reported in the survey. The injury rates, therefore, reflect normal operations only and exclude the effect of this unusual occurrence. This is particularly true in respect to the rates for chemical manufacturing and stevedoring.

<sup>3</sup> Each death or permanent-total disability is charged with a time loss of

6,000 days in the computation of severity rates.

<sup>4</sup> Except Mining and Quarrying data compiled by the Bureau of Mines, U. S. Department of Interior.

<sup>5</sup> Weighted according to estimates of total current employment in each industry.

<sup>6</sup> Disability distribution and average time charges not given because of small number of injuries for which details were reported.

<sup>7</sup> Less than 0.05.

<sup>8</sup> Preliminary data compiled by the Bureau of Mines, U. S. Department of Interior.

<sup>9</sup> Not available.

<sup>10</sup> Fatalities only.

<sup>11</sup> Primarily reported by company instead of by establishment.

TABLE B.—Changes in exposure, disabling injuries, and injury rates for 40,283 identical establishments, 1946 to 1947

Industry	Number of establishments	Percent of change in—					
		Employees	Employee-hours worked	Disabling injuries	Total time lost	Frequency rate	Severity rate
<i>Manufacturing</i>							
<b>Total, manufacturing</b>	25, 227	+5	+7	-2	-4	-7	-12
<b>Apparel and other finished textile products</b>	1, 423	+4	+2	-5	-17	-7	10
Clothing, men's and boys'	528	+6	+6	(?)	+59	-6	+100
Clothing, women's and children's	562	+3	+1	-4	-71	-5	-71
Millinery	57	-5	-4	+73	+84	+85	+67
Apparel and accessories, not elsewhere classified	40	-6	-9	-7	+15	+1	+25
Trimmings and fabricated textile products, not elsewhere classified	236	-1	-6	-15	-31	-10	-29
<b>Chemicals and allied products</b>	1, 736	+5	+4	-9	+12	-13	+12
Compressed and liquefied gases	44	+7	+6	+9	-66	+3	-69
Drugs, toiletries, and insecticides	255	+1	(?)	-13	-49	-12	-50
Explosives	51	+17	+15	+9	+986	-6	+800
Fertilizers	376	+12	+9	+3	-11	-6	-19
Industrial chemicals	311	+6	+5	-13	+17	-18	+16
Paints, varnishes, and colors	333	+5	+4	-4	+85	-8	+75
Paving and roofing materials	28	+13	+2	-15	+91	-16	+87
Plastic materials, except rubber	52	+7	+6	+6	-46	-1	-41
Soap and glycerin	105	+10	+13	+9	+25	-4	+8
Synthetic textile fibers	23	+3	-2	-14	-43	-12	-27
Vegetable and animal oils	33	-10	+3	-17	+17	-20	+15
Not elsewhere classified	142	+3	+2	-16	+5	-18	+4
<b>Electrical machinery, equipment, and supplies</b>	755	+7	+9	+2	+17	-8	10
Automotive electrical equipment	18	+4	+11	+25	-58	+13	-57
Batteries	36	+12	+13	+25	+29	+10	+17
Communication and signaling equipment, except radio	30	+10	+9	-16	+29	-23	+22
Electrical appliances	54	+22	+22	+20	+23	-2	0
Electrical equipment for industrial use	401	+8	+14	+3	+22	-9	0
Electrical lamps (bulbs)	22	+8	+11	0	+16	-10	+36
Insulated wire and cable	29	+8	+10	-5	-21	-13	-20
Radios and phonographs	145	(?)	-3	-9	-14	-5	0
Not elsewhere classified	20	-3	-4	-29	-94	-27	-93
<b>Food products</b>	3, 253	+6	+6	-4	-11	-8	-21
Baking	549	+4	+1	+2	-27	+2	-27
Beverages, not elsewhere classified	246	-4	-5	+5	-2	+10	0
Breweries	258	+8	+8	-13	+2	-19	-7
Canning and preserving	333	-2	-9	-15	-40	-7	-35
Confectionery	197	+6	+9	+6	-2	-2	-8
Dairy products	222	+4	+3	-11	-14	-13	-13
Distilleries	87	+5	+3	-13	+85	-15	+100
Flour, feed, and grain-mill products	458	+6	+2	(?)	(?)	-2	0
Slaughtering and meat packing	604	+9	+16	(?)	+5	-13	-7
Sugar refining	97	+11	+16	+12	-11	-4	-23
Not elsewhere classified	202	+5	+6	-8	-43	-13	-41
<b>Furniture and finished lumber products</b>	1, 664	+8	+8	(?)	-14	-7	-23
Furniture, metal	67	+10	+16	-2	-34	-16	-42
Furniture, except metal	658	+7	+6	+4	-4	-2	-9
Mattresses and bedsprings	149	+21	+23	-8	-7	-25	-30
Morticians' supplies	91	+1	+7	+14	-26	+7	-25
Office, store, and restaurant fixtures	93	+21	+19	+9	-48	-9	-58
Wooden containers	323	+6	+6	-3	+14	-8	+11
Not elsewhere classified	283	+3	+2	-4	-34	-6	-33
<b>Iron and steel and their products</b>	3, 448	+6	+10	+1	+7	-8	10
Bolts, nuts, washers, and rivets	61	+9	+15	+18	+17	+2	0
Cold finished steel	31	+4	+12	+12	+26	(?)	+11
Cutlery and edge tools	104	+3	-2	-2	-14	0	-6
Fabricated structural steel	270	+1	+23	+13	+47	-8	+19
Forgings, iron and steel	130	+6	+10	-6	-43	-14	-45
Foundries, iron	634	+9	+9	-4	+2	-11	-8
Foundries, steel	99	-1	+5	+3	-23	-2	-31
Heating equipment, not elsewhere classified	192	+13	+16	+9	-3	-6	-14
Iron and steel	155	+7	+15	-1	+11	-14	-6
Metal coating and engraving	80	+9	+5	+5	+149	(?)	+130
Ornamental metal work	66	-8	-8	+12	-23	+21	0
Plate fabrication and boiler-shop products	148	-6	-2	+7	+35	+9	+61
Plumbers' supplies	82	+12	+13	+10	+2	-3	0
Screw-machine products	123	(?)	(?)	-8	+6	-9	+9
Sheet-metal work	86	+5	+6	-10	-27	-15	-31
Stamped and pressed metal products, not elsewhere classified	321	+7	+8	-2	+13	-9	+11
Steam fittings and apparatus	154	+8	+6	+1	+80	-5	+65
Steel barrels, kegs, drums, and packages	20	+9	+8	+3	-71	-4	-73
Steel springs	27	+16	+20	+23	-1	+3	-23
Tin cans and other tinware	61	+19	+21	+7	-26	-11	-36
Tools, except edge tools	157	+3	+3	-9	-31	-12	-29
Vitrous-enamelled products	18	+9	+13	+17	+156	-4	+125
Wire and wire products	160	+7	+8	-4	+54	-12	+54
Wrought pipes, welded and heavy-riveted	14	+10	+11	-5	+408	-15	+340
Not elsewhere classified	118	(?)	+3	+4	-8	+1	-11

See footnotes at end of table.

TABLE B.—Changes in exposure, disabling injuries, and injury rates for 40,283 identical establishments, 1946 to 1947—Con.

Industry	Number of establishments	Percent of change in—					
		Employees	Employee-hours worked	Disabling injuries	Total time lost	Frequency rate	Severity rate
<i>Manufacturing—Continued</i>							
Leather and leather products.....	602	+3	+4	-9	+5	1-8	1+17
Boots and shoes, not rubber.....	365	+4	+5	-2	+39	-7	+33
Leather.....	142	-1	+1	-17	-12	-17	-12
Not elsewhere classified.....	95	-3	-7	-7	+28	0	+43
Lumber and timber basic products.....	1,114	+3	+11	+12	+13	1+2	1+5
Logging.....	181	+12	+3	+16	+2	+12	-1
Sawmills.....	364	-14	+11	+14	+28	+3	+18
Sawmills and planing mills combined.....	84	+10	+13	+7	+15	-6	+2
Planing mills.....	139	+15	+22	+40	+120	+14	+90
Plywood mills.....	48	+8	+8	-7	+13	-14	+3
Veneer mills.....	41	+1	(?)	-16	-39	-16	-39
Millwork (structural).....	257	+14	+15	+17	-34	+2	-41
Machinery, except electric.....	2,903	+7	+9	+3	-4	1-5	1-14
Agricultural machinery and tractors.....	180	+12	+23	+9	-20	-11	-32
Bearings, ball and roller.....	40	+4	+11	-8	-11	-17	-17
Commercial and household machinery.....	158	+17	+19	+7	+23	-10	+9
Construction and mining machinery.....	209	+5	+8	+5	-11	-3	-23
Elevators, escalators, and conveyors.....	40	(?)	+1	-20	+53	-21	+75
Engines and turbines.....	55	+15	+21	+25	+2	+4	-17
Fabricated pipe and fittings.....	7	+10	+12	-17	-91	-26	-93
Food-products machinery.....	112	+9	+6	+5	-4	-2	-12
General industrial machinery and equipment, not elsewhere classified.....	349	(?)	-1	+4	-21	+5	-18
General machine shops (jobbing and repair).....	223	-6	-8	-16	+33	-9	+38
Mechanical measuring and controlling instruments.....	65	+5	+6	+24	-35	+16	-37
Mechanical power transmission, except ball and roller bearings.....	60	+7	+7	-18	-18	-23	-23
Metalworking machinery.....	625	-4	-4	-7	+14	-3	+13
Pumps and compressors.....	79	+2	+4	+3	-41	-1	-45
Special industry machinery, not elsewhere classified.....	293	+10	+10	+3	+28	-7	+11
Textile machinery.....	108	+15	+12	+16	-1	+3	-11
Nonferrous metals and their products.....	568	+5	+5	-11	-6	1-17	1-20
Aluminum and magnesium products.....	21	+16	+17	-12	-52	-25	-62
Foundries, nonferrous.....	295	+2	-1	-7	+32	-6	+33
Nonferrous basic shapes and forms.....	30	+4	+5	-10	+7	-14	+20
Watches, clocks, jewelry, and silverware.....	91	+6	+6	-16	-23	-21	-29
Not elsewhere classified.....	131	+6	+5	-16	+8	-20	-11
Ordnance and accessories.....	19	(?)	+2	+9	-73	+6	-97
Paper and allied products.....	1,107	+5	+4	-7	+12	1-10	1+11
Envelopes.....	68	+4	+2	-7	-22	-9	-25
Paper boxes and containers.....	462	+1	-1	-11	+10	-10	+13
Paper and pulp.....	391	+6	+6	-7	-2	-12	-5
Not elsewhere classified.....	186	+3	+4	(?)	+69	-4	+66
Printing and publishing.....	2,247	+8	+5	+8	+2	1+3	1+17
Book and job printing.....	1,440	+7	+4	+8	+43	+3	+50
Bookbinding.....	50	+16	+11	+14	-13	+3	-20
News and periodical.....	757	+8	+6	+9	-32	+3	-43
Rubber products.....	226	+5	+2	-17	-26	1-19	1-22
Rubber boots and shoes.....	27	+14	+5	-9	-57	-13	-58
Rubber tires and tubes.....	33	+3	+1	-21	-22	-22	-15
Not elsewhere classified.....	166	+3	+2	-15	-23	-17	-22
Stone, clay, and glass products.....	967	+4	+4	-1	-8	1-6	1-9
Clay products (structural).....	373	+11	+11	+6	-6	+4	-15
Concrete, gypsum, and plaster products.....	129	+8	+7	+12	-16	+4	-22
Cut stone and cut-stone products.....	61	-12	-4	-35	+8	-32	+13
Glass.....	184	(?)	(?)	-12	-8	-12	-7
Pottery and related products.....	116	+3	+8	+2	-38	-5	-43
Not elsewhere classified.....	104	+6	+5	+10	+35	+5	+33
Textile and textile-mill products.....	2,075	+2	+2	-12	-16	1-12	1-9
Carpets, rugs, and other floor coverings.....	81	+13	+19	+20	-20	+1	-33
Cordage and twine.....	53	-1	-4	-11	-47	-8	-43
Cotton yarn and textiles.....	511	+2	+1	-13	-16	-13	-17
Dyeing and finishing textiles.....	256	+4	+1	-8	-27	-9	-29
Hats, except cloth and millinery.....	21	+2	-2	-16	-79	-14	-75
Knit goods.....	594	+3	+10	-6	+60	-14	+50
Rayon, other synthetic and silk textiles.....	179	+2	+2	-12	+5	-14	+2
Woolen and worsted textiles.....	342	(?)	-4	-21	-20	-18	-12
Not elsewhere classified.....	38	+3	(?)	+16	+146	+16	+150
Transportation equipment.....	554	+8	+16	+5	-14	1-11	1-36
Aircraft.....	17	-2	+2	+3	+103	0	+80
Aircraft parts.....	42	+19	+19	+2	-68	-15	-77
Boatbuilding and repairs.....	35	+6	+10	-34	-24	-40	-8
Motor vehicles.....	138	+21	+39	+10	-9	-21	-33
Motor-vehicle parts.....	122	+10	+10	-1	+5	-10	0
Railroad equipment.....	63	+7	+12	+4	+29	-7	+18
Shipbuilding and repairs.....	121	-20	-9	+13	-18	+24	-7
Not elsewhere classified.....	16	+28	+20	-2	-69	-18	-74

See footnotes at end of table.

TABLE B.—Changes in exposure, disabling injuries, and injury rates for 40,283 identical establishments, 1946 to 1947—Con.

Industry	Number of establishments	Percent of change in—					
		Employees	Employee-hours worked	Disabling injuries	Total time lost	Frequency rate	Severity rate
<i>Manufacturing—Continued</i>							
Miscellaneous manufacturing.....	866	+1	(?)	-8	-26	<sup>1</sup> -4	1 -18
Brooms and brushes.....	67	-2	(?)	+19	+257	+19	+250
Fabricated plastic products.....	104	+2	(?)	+12	+29	+11	+26
Optical and ophthalmic goods.....	25	-3	-6	+8	+114	+14	+150
Photographic apparatus and materials.....	33	+4	+4	-9	-79	-12	-67
Professional and scientific instruments and supplies.....	81	+4	-3	-26	-81	-24	-81
Tobacco products.....	169	-5	-1	-17	-45	-16	-50
Not elsewhere classified.....	387	(?)	-1	-9	-33	-9	-33
<i>Nonmanufacturing</i>							
Construction <sup>4</sup> .....	1,707	(?)	+21	+19	+11	-2	-7
Building construction.....	1,193	(?)	+11	+13	+23	+2	+10
Heavy engineering.....	154	(?)	+50	+33	+41	-12	-5
Highway construction.....	273	(?)	+22	+12	-34	-8	-47
Not elsewhere classified.....	87	(?)	+39	+75	-41	+25	-58
Communication <sup>4</sup> .....	508	+11	+4	+5	-1	+3	0
Telephone (wire and radio).....	106	+11	+4	+6	-5	+3	0
Radio broadcasting and television.....	402	+11	+10	-14	+330	-24	+233
Transportation <sup>4</sup> .....	945	(?)	-1	-9	-46	-8	-47
Stevedoring.....	62	(?)	-12	-23	-66	-12	-61
Streetcar.....	19	+4	(?)	-10	+49	-10	+50
Bus.....	226	+3	(?)	-14	+11	-13	+20
Streetcar and bus.....	47	+2	+1	+3	-17	+2	-14
Trucking and hauling.....	354	+4	+2	+6	+68	+4	+67
Warehousing and storage.....	204	-8	-5	-14	+62	-10	+77
Not elsewhere classified.....	32	+103	+100	-43	-83	-71	-92
Heat, light, and power <sup>4</sup> .....	564	+9	+9	+11	+37	+2	+28
Electric light and power.....	348	+7	+7	+13	+36	+5	+32
Gas.....	205	+15	+14	+8	+39	-5	+20
Waterworks <sup>4</sup> .....	139	-3	-3	+16	-69	+19	-67
Personal services.....	2,483	+1	+1	+2	+24	+2	+17
Dry cleaning.....	510	+2	-2	+3	+96	+6	+150
Laundries.....	513	+2	-1	-6	-48	-5	-45
Laundry and dry cleaning.....	382	-1	+4	+3	+111	+6	+100
Amusements and related services.....	128	+21	+24	+9	+76	-12	+43
Hotels.....	314	+1	+5	+8	+11	+4	+7
Eating and drinking places.....	411	-5	-6	-17	-58	-10	-67
Medical and other professional services.....	124	-6	-6	-21	+951	-14	+1,000
Miscellaneous personal services.....	101	+1	(?)	+13	-39	+13	-50
Business services.....	2,108	+3	(?)	-17	-18	-17	-16
Banks and other financial agencies.....	788	+7	(?)	-10	-31	-10	-32
Insurance.....	393	+2	(?)	-36	+65	-36	+56
Real estate.....	197	+3	+3	-7	-16	-9	-20
Miscellaneous business services.....	241	+4	+4	+2	-30	-2	-31
Automobile repair shops and garages.....	277	+5	+7	-7	+2	-13	-8
Miscellaneous repair services.....	212	+1	(?)	-15	-69	-16	-72
Educational services.....	174	+15	+11	(?)	+20	-10	+8
Fire departments.....	197	+7	+3	-1	+40	-4	+33
Police departments.....	143	+4	+3	+15	+9	+12	+4
Trade <sup>4</sup> .....	6,088	+2	+4	+11	+16	<sup>1</sup> +6	0
Wholesale distributors.....	1,946	+5	+4	+14	+27	+10	+25
Retail, general merchandise.....	379	+1	+6	+18	-28	+12	-33
Retail food.....	525	-1	-1	+25	-42	+25	-33
Wholesale and retail dairy products.....	291	-5	-3	-11	+38	-9	+43
Retail automobiles and accessories.....	543	+11	+9	+14	+3	+4	0
Filling stations.....	135	+10	+5	+22	+51	+16	+45
Retail apparel and accessories.....	502	(?)	+1	+20	+122	+20	+113
Miscellaneous retail stores.....	1,065	+3	+2	+34	+42	+31	+60
Wholesale and retail building supplies.....	416	+8	+9	(?)	+65	-8	+53
Not elsewhere classified.....	286	+6	+7	+3	-54	-3	-62

<sup>1</sup> Weighted according to estimates of total current employment in each industry.

<sup>2</sup> Change was less than 0.05 of 1 percent.

<sup>3</sup> Totals include figures for industries not shown separately.

<sup>4</sup> Primarily reported by company instead of establishments.

<sup>5</sup> Not available.

TABLE C.—Estimates of disabilities, by extent, for selected manufacturing industries, 1947

[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 (group total).....	2,000	229	428,999	2,964	16,500	15	280	16,205	508
Chemicals and allied products:									
Drugs, toiletries, and insecticides.....	306	64	127,539	1,532	2,600	-----	100	2,500	146
Fertilizers.....	418	24	48,554	1,534	2,400	10	60	2,330	183
Industrial chemicals, not elsewhere classified.....	458	164	336,674	3,968	7,000	230	450	6,320	2,087
Paints, varnishes, and colors.....	391	43	88,961	1,539	2,400	15	60	2,325	167
Soap and glycerin.....	129	21	45,361	427	600	5	20	575	51
Synthetic textile fibers.....	27	62	119,363	688	900	-----	10	890	29
Electrical machinery, equipment, and supplies:									
Electrical equipment for industrial use.....	805	451	904,498	9,529	10,300	30	720	9,550	853
Food products:									
Breweries.....	284	53	114,591	4,399	7,800	25	380	7,395	732
Confectionery.....	261	42	84,205	1,353	2,900	5	120	2,775	177
Flour, feed, and grain-mill products.....	545	50	108,585	2,943	6,400	20	170	6,210	407
Slaughtering and meat packing.....	828	136	298,426	8,929	16,400	35	230	16,135	533
Sugar refining.....	99	29	62,649	2,056	3,100	20	80	3,000	235
Furniture and finished lumber products:									
Furniture, metal and wood.....	1,036	128	265,902	7,003	15,100	30	970	14,100	1,046
Mattresses and bedsprings.....	272	21	42,773	1,066	1,900	-----	70	1,830	52
Iron and steel and their products:									
Bolts, nuts, washers, and rivets.....	82	21	44,347	868	1,300	-----	50	1,250	65
Cutlery and edge tools.....	126	23	49,199	1,161	1,600	-----	80	1,420	92
Fabricated structural steel.....	420	57	119,526	3,261	3,900	15	190	3,695	296
Foundries, iron.....	792	138	284,342	12,644	19,000	55	400	18,545	973
Foundries, steel.....	127	52	104,833	3,380	5,000	40	130	4,830	428
Heating equipment.....	250	61	120,829	4,148	6,900	20	310	6,570	451
Iron and steel.....	252	552	1,109,110	9,461	10,000	160	700	9,140	1,948
Plumbers' supplies.....	107	40	82,917	1,933	2,200	5	50	2,145	120
Screw-machine products.....	178	26	56,169	1,084	1,800	-----	120	1,680	91
Steam fittings and apparatus.....	180	40	80,496	2,030	3,800	15	230	3,555	247
Tin cans and other tinware.....	81	27	57,272	1,067	2,000	-----	170	1,830	133
Tools, except edge tools.....	196	27	55,019	1,304	1,400	-----	80	1,320	74
Wire and wire products.....	220	54	106,741	2,296	3,500	15	160	3,325	289
Leather and leather products:									
Boots and shoes.....	444	136	265,830	2,549	5,000	10	180	4,810	241
Leather.....	171	32	66,087	1,942	3,100	5	70	3,025	145
Lumber and timber basic products:									
Planing and plywood mills.....	790	64	135,895	5,253	11,500	70	470	10,960	1,007
Machinery, except electric:									
Commercial and household machinery.....	235	196	394,653	4,582	4,900	20	390	4,490	431
Pumps and compressors.....	131	37	77,732	1,564	3,100	-----	120	2,980	101
Textile machinery.....	125	27	56,437	1,036	1,900	-----	60	1,840	60
Nonferrous metals and their products:									
Nonferrous basic shapes and forms.....	42	39	78,529	1,229	2,100	-----	60	2,040	65
Paper and allied products:									
Envelopes.....	77	8	17,559	216	400	-----	10	390	17
Paper boxes and containers.....	623	63	130,053	2,794	5,300	10	430	4,860	596
Paper and pulp.....	491	204	451,184	10,630	12,300	50	400	11,850	915
Paper products, not elsewhere classified.....	220	39	80,392	1,655	4,000	10	150	3,840	237
Printing and publishing:									
News and periodical.....	847	104	207,226	1,922	4,300	15	130	4,155	222
Rubber products:									
Rubber tires and tubes.....	41	109	217,185	2,287	3,100	20	150	2,930	287
Stone, clay, and glass products:									
Glass.....	223	94	190,603	3,017	4,900	5	150	4,745	266
Pottery and related products.....	142	34	71,471	1,508	2,800	15	50	2,735	158
Structural clay products.....	445	43	88,674	3,892	7,700	45	120	7,535	458
Textile and textile-mill products:									
Cordage and twine.....	56	9	19,220	447	800	-----	40	760	43
Cotton yarn and textiles.....	591	305	607,356	7,423	14,000	30	530	13,440	942
Dyeing and finishing textiles.....	363	62	127,936	2,457	3,600	5	130	3,465	257
Knit goods.....	704	129	265,329	1,821	3,400	5	100	3,295	175
Rayon, other synthetic and silk textiles.....	215	65	132,225	1,376	2,400	5	40	2,355	121
Woolen and worsted textiles.....	398	140	276,502	5,132	6,800	20	160	6,620	374

TABLE C.—Estimates of disabilities, by extent, for selected manufacturing industries, 1947—Continued

[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)
Transportation equipment:									
Motor vehicles and parts.....	401	511	1,091,021	12,767	24,500	25	1,910	22,565	1,873
Railroad equipment.....	93	74	153,048	2,741	3,700	10	160	3,530	276
Shipbuilding and boatbuilding <sup>1</sup> .....	248	90	201,577	5,162	8,700	70	260	8,370	945
Miscellaneous manufacturing:									
Professional and scientific instruments and supplies.....	131	30	61,871	979	1,100	-----	30	1,070	41
Tobacco products.....	195	52	98,027	737	1,500	-----	50	1,450	64

<sup>1</sup> 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, 1947

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</i>								
Total, manufacturing.....	100	3	80	2	7	4	( <sup>1</sup> )	4
Chemicals and allied products.....	100	7	67	4	11	5	0	6
Industrial chemicals.....	100	7	62	9	15	5	0	2
Electrical machinery, equipment, and supplies.....	100	1	88	1	4	2	0	4
Food products.....	100	7	69	3	13	4	0	4
Baking.....	100	4	84	2	5	5	0	0
Breweries.....	100	8	64	3	18	6	0	1
Canning and preserving.....	100	6	76	4	7	3	0	4
Confectionery.....	100	6	67	2	6	0	0	19
Flour, feed, and grain-mill products.....	100	8	61	3	14	6	0	8
Slaughtering and meat packing.....	100	5	84	0	9	0	0	2
Sugar refining.....	100	8	66	4	18	2	0	2
Furniture and finished lumber products.....	100	2	91	1	2	2	0	2
Furniture, metal.....	100	0	97	0	1	1	0	1
Furniture, except metal.....	100	2	90	1	1	3	0	3
Wooden containers.....	100	2	93	0	2	3	0	0
Not elsewhere classified.....	100	3	89	2	2	2	0	2
Iron and steel and their products.....	100	2	78	3	8	6	( <sup>1</sup> )	3
Fabricated structural steel.....	100	0	78	3	12	6	0	1
Forgings, iron and steel.....	100	0	71	2	14	10	0	3
Foundries, iron.....	100	3	58	4	10	14	1	10
Hardware.....	100	1	90	1	3	3	0	2
Iron and steel.....	100	3	75	6	9	5	0	2
Plate fabrication and boiler-shop products.....	100	2	60	2	12	19	0	5
Stamped and pressed metal products.....	100	1	94	1	1	1	0	2
Steam fittings and apparatus.....	100	3	55	2	32	3	0	5
Leather and leather products.....	100	5	86	0	7	1	0	1
Lumber and timber basic products.....	100	3	72	4	8	8	1	4
Logging.....	100	4	51	13	11	10	1	10
Sawmills.....	100	2	74	4	11	7	0	2
Sawmills and planing mills combined.....	100	7	68	0	5	16	2	2
Machinery, except electric.....	100	1	82	1	8	4	0	4
Agricultural machinery and tractors.....	100	1	82	0	5	6	0	6
Commercial and household machinery.....	100	1	87	1	5	1	0	5
Construction and mining machinery.....	100	3	71	1	14	10	0	1
General industrial machinery, not elsewhere classified.....	100	2	78	2	14	2	0	2
Metalworking machinery.....	100	0	81	1	11	4	0	3
Special industry machinery, not elsewhere classified.....	100	0	81	2	9	5	0	3
Nonferrous metals and their products.....	100	1	90	1	5	2	0	1
Paper and allied products.....	100	7	79	3	5	4	0	2
Paper boxes and containers.....	100	6	80	5	6	2	0	1
Paper and pulp.....	100	8	71	3	7	8	0	3
Paper products, not elsewhere classified.....	100	9	79	0	4	4	0	4

<sup>1</sup> Less than 0.05 of 1 percent.

TABLE D.—Distribution of all reported injuries resulting in permanent-partial disability, according to part of body affected, by industry, 1947—Continued

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
Printing and publishing.....	100	3	80	3	10	1	0	3
Book and job printing.....	100	3	75	3	16	1	0	2
News and periodical.....	100	3	86	2	2	2	0	5
Rubber products.....	100	5	70	3	6	4	0	12
Stone, clay, and glass products.....	100	2	73	2	12	7	0	4
Glass.....	100	1	70	4	13	9	0	3
Structural clay products.....	100	2	75	0	15	4	0	4
Not elsewhere classified.....	100	2	70	2	13	4	0	9
Textile and textile-mill products.....	100	6	78	2	8	3	(1)	3
Carpets, rugs, and other floor coverings.....	100	4	66	3	23	1	0	3
Cotton yarn and textiles.....	100	6	84	2	3	2	1	2
Dyeing and finishing textiles.....	100	13	71	0	5	5	0	6
Woolen and worsted textiles.....	100	8	76	4	0	4	0	8
Transportation equipment.....	100	1	85	2	4	5	(1)	3
Aircraft parts.....	100	2	77	0	9	5	2	5
Motor vehicles.....	100	1	84	3	3	4	0	5
Motor-vehicle parts.....	100	1	91	0	2	5	0	1
Railroad equipment.....	100	0	78	8	8	6	0	0
Shipbuilding and repairs.....	100	1	65	1	14	12	3	4
Miscellaneous manufacturing.....	100	2	92	(1)	2	2	0	2
Fabricated plastic products.....	100	2	88	0	2	4	0	4
Not elsewhere classified.....	100	1	95	0	1	1	0	2
<i>Nonmanufacturing</i>								
Construction.....	100	5	52	5	21	9	0	8
Building construction.....	100	7	53	4	20	10	0	6
Heavy engineering.....	100	2	49	10	22	7	0	10
Transportation.....	100	7	50	10	17	3	(1)	13
Stevedoring.....	100	9	41	10	22	2	0	16
Streetcar and bus.....	100	11	53	11	11	7	0	7
Heat, light, and power.....	100	8	38	11	19	5	2	17
Electric light and power.....	100	8	44	8	19	5	2	14
Gas.....	100	6	32	15	19	4	1	23
Personal services.....	100	12	58	7	7	2	0	14
Trade.....	100	4	69	4	11	7	1	4
Wholesale distributors.....	100	6	54	3	20	12	0	5
Wholesale and retail dairy products.....	100	3	66	15	5	3	0	8
Wholesale and retail building supplies.....	100	5	88	0	7	0	0	0

<sup>1</sup> Less than 0.05 of 1 percent.

TABLE E.—Distribution of temporary-total disabilities, by duration of disability, 1947<sup>1</sup>

Industry	Number of cases <sup>2</sup>	Percent of cases resulting in—		Total days lost <sup>3</sup>	Percent of total days lost accruing from—	
		1, 2, or 3 days of disability	4 or more days of disability		1-, 2-, or 3-day cases	4-or-more-day cases
<i>Manufacturing</i>						
Total, manufacturing <sup>2</sup> .....	122,903	34.5	65.5	1,782,115	5.6	94.4
Apparel and other finished textile products:						
Clothing, men's and boys'.....	740	41.4	58.6	6,872	9.1	90.9
Clothing, women's and children's.....	294	48.0	52.0	2,411	12.3	87.7
Trimmings and fabricated textile products.....	483	32.9	67.1	9,973	3.4	96.6
Chemicals and allied products:						
Drugs, toiletries, and insecticides.....	618	31.4	68.6	9,411	4.2	95.8
Fertilizers.....	1,340	33.7	66.3	20,494	4.6	95.4
Industrial chemicals.....	1,247	29.6	70.4	20,048	3.8	96.2
Paints, varnishes, and colors.....	945	39.0	61.0	11,766	6.2	93.8
Paving and roofing materials.....	219	16.9	83.1	4,357	1.7	98.3
Synthetic textile fibers.....	234	12.8	87.2	2,980	2.2	97.8
Electric machinery, equipment, and supplies:						
Electrical appliances.....	332	30.1	69.9	4,334	4.2	95.8
Electrical equipment for industrial use.....	2,328	34.2	65.8	32,230	4.6	95.4
Radios and phonographs.....	488	36.5	63.5	6,368	5.8	94.2

See footnotes at end of table.

TABLE E.—Distribution of temporary-total disabilities, by duration of disability, 1947<sup>1</sup>—Continued

Industry	Number of cases <sup>1</sup>	Percent of cases resulting in—		Total days lost <sup>2</sup>	Percent of total days lost accruing from—	
		1, 2, or 3 days of disability	4 or more days of disability		1-, 2-, or 3-day cases	4-or-more-day cases
<b>Manufacturing—Continued</b>						
<b>Food products:</b>						
Baking.....	1,733	34.2	65.8	23,963	4.9	95.1
Breweries.....	3,594	31.2	68.8	46,271	5.1	94.9
Canning and preserving.....	2,411	37.1	62.9	43,531	4.3	95.7
Confectionery.....	930	34.4	65.6	12,234	6.0	94.0
Dairy products.....	496	32.9	67.1	7,503	4.7	95.3
Flour, feed, and grain-mill products.....	2,236	35.9	64.1	29,152	6.2	93.8
Slaughtering and meat packing.....	3,489	41.2	58.8	37,425	7.9	92.1
Sugar refining.....	1,777	28.9	71.1	28,510	3.6	96.4
<b>Furniture and finished lumber products:</b>						
Furniture, metal.....	755	38.3	61.7	8,367	7.8	92.2
Furniture, except metal.....	4,081	36.7	63.3	48,438	9.4	90.6
Mattresses and bedsprings.....	447	36.0	64.0	4,836	6.6	93.4
Morticians' supplies.....	314	38.5	61.5	3,115	7.6	92.4
Office, store, and restaurant fixtures.....	494	47.0	53.0	4,588	12.0	88.0
Wooden containers.....	1,258	31.8	68.2	16,163	7.5	92.5
<b>Iron and steel and their products:</b>						
Bolts, nuts, washers, and rivets.....	266	41.4	58.6	4,534	4.8	95.2
Cutlery and edge tools.....	481	34.9	65.1	6,015	5.6	94.4
Fabricated structural steel.....	1,220	38.5	61.5	17,161	5.4	94.6
Forgings, iron and steel.....	994	33.1	66.9	13,882	4.9	95.1
Foundries, iron.....	4,745	37.7	62.3	56,800	6.4	93.6
Foundries, steel.....	373	23.9	76.1	6,683	2.8	97.2
Hardware.....	761	71.1	28.9	11,159	4.1	95.9
Heating equipment.....	1,842	35.9	64.1	23,754	8.3	91.7
Iron and steel.....	3,234	24.0	76.0	90,417	1.7	98.3
Metal coating and engraving.....	362	36.2	63.8	4,290	5.8	94.2
Ornamental metal work.....	223	41.7	58.3	2,363	8.0	92.0
Plate fabrication and boiler-shop products.....	673	32.9	67.1	14,721	4.0	96.0
Plumbers' supplies.....	502	28.7	71.3	9,434	3.0	97.0
Screw-machine products.....	290	33.1	66.9	3,273	5.6	94.4
Sheet-metal work.....	224	35.4	64.6	3,288	5.0	95.0
Stamped and pressed metal products.....	1,133	35.7	64.3	15,382	5.1	94.9
Steam fittings and apparatus.....	804	32.8	67.2	12,076	4.5	95.5
Tools, except edge tools.....	614	39.1	60.9	7,825	5.6	94.4
Wire and wire products.....	613	29.7	70.3	10,346	3.9	96.1
<b>Leather and leather products:</b>						
Boots and shoes, not rubber.....	778	33.8	66.2	9,215	5.9	94.1
Leather.....	1,268	26.1	73.9	18,880	3.5	96.5
<b>Lumber and timber basic products:</b>						
Logging.....	3,352	25.0	75.0	59,203	6.7	93.3
Sawmills.....	3,434	32.9	67.1	62,325	6.8	93.2
Sawmills and planing mills combined.....	1,033	28.1	70.9	18,437	3.6	96.4
Planing mills.....	572	29.0	71.0	7,803	8.8	91.2
Plywood mills.....	242	27.7	72.3	3,376	3.6	96.4
Veneer mills.....	300	26.3	73.7	4,756	3.9	96.1
Millwork (structural).....	867	37.6	62.4	16,190	5.8	94.2
<b>Machinery, except electric:</b>						
Agricultural machinery and tractors.....	1,688	41.3	58.7	18,863	7.1	92.9
Bearings, ball and roller.....	566	39.0	61.0	7,056	7.8	92.2
Commercial and household machinery.....	1,322	39.3	60.7	15,908	8.3	91.7
Construction and mining machinery.....	1,833	35.9	64.1	24,441	5.7	94.3
Elevators, escalators, and conveyors.....	216	47.2	52.8	2,164	8.3	91.7
Engines and turbines.....	377	30.5	69.5	5,069	4.5	95.5
Food-products machinery.....	429	38.5	61.5	4,919	6.2	93.8
General industrial machinery and equipment.....	2,071	40.3	59.7	24,783	6.5	93.5
General machine shops (jobbing and repair).....	417	42.4	57.6	4,975	8.6	91.4
Mechanical power transmission equipment, except ball and roller bearings.....	236	30.9	69.1	4,122	3.3	96.7
Metalworking machinery.....	1,560	36.8	63.2	20,039	5.5	94.5
Pumps and compressors.....	259	30.9	69.1	3,363	5.4	94.6
Special industry machinery, not elsewhere classified.....	1,315	36.7	63.3	16,098	5.8	94.2
Textile machinery.....	510	37.3	62.7	6,755	5.7	94.3
<b>Nonferrous metals and their products:</b>						
Aluminum and magnesium products.....	209	36.4	63.6	3,836	4.3	95.7
Foundries, nonferrous.....	517	39.3	60.7	5,830	6.5	93.5
Watches, clocks, jewelry, and silverware.....	220	27.9	72.1	3,186	4.6	95.4
<b>Paper and allied products:</b>						
Paper boxes and containers.....	960	34.3	65.7	12,526	5.3	94.7
Paper and pulp.....	2,037	27.4	72.6	33,283	3.7	96.3
<b>Printing and publishing:</b>						
Book and job printing.....	1,462	37.3	62.7	18,230	7.0	93.0
News and periodical.....	1,696	33.9	66.1	21,978	5.1	94.9
<b>Rubber products:</b>						
Rubber tires and tubes.....	299	21.7	78.3	6,633	1.9	98.1

See footnotes at end of table.

TABLE E.—Distribution of temporary-total disabilities, by duration of disability, 1947<sup>1</sup>—Continued

Industry	Number of cases <sup>1</sup>	Percent of cases resulting in—		Total days lost <sup>2</sup>	Percent of total days lost accruing from—	
		1, 2, or 3 days of disability	4 or more days of disability		1-, 2-, or 3-day cases	4-or-more-day cases
<i>Manufacturing—Continued</i>						
Stone, clay, and glass products:						
Clay products (structural).....	3, 211	33.7	66.3	40, 180	5.9	94.1
Concrete, gypsum, and plaster products.....	517	39.7	60.3	13, 482	2.9	97.1
Glass.....	1, 995	31.0	69.0	33, 028	4.9	95.1
Pottery and related products.....	879	34.7	65.3	10, 950	5.4	94.6
Textile and textile-mill products:						
Carpets, rugs, and other floor coverings.....	1, 274	33.2	66.8	18, 621	4.8	95.2
Cordage and twine.....	400	22.0	78.0	7, 308	2.9	97.1
Cotton yarn and textiles.....	3, 716	29.0	71.0	61, 625	3.9	96.1
Dyeing and finishing textiles.....	1, 510	28.3	71.7	26, 664	3.3	96.7
Knit goods.....	1, 226	38.8	61.2	13, 708	6.9	93.1
Rayon, other synthetic and silk textiles.....	888	31.8	68.2	13, 670	4.2	95.8
Woolen and worsted textiles.....	1, 921	37.5	62.5	30, 855	5.7	94.3
Transportation equipment:						
Aircraft.....	303	24.1	75.9	6, 456	2.0	98.0
Aircraft parts.....	954	52.3	47.7	13, 946	9.5	90.5
Motor vehicles.....	698	39.8	60.2	7, 809	8.3	91.7
Motor-vehicle parts.....	1, 295	35.9	64.1	15, 347	8.6	91.4
Railroad equipment.....	1, 257	32.2	67.8	23, 923	3.2	96.8
Shipbuilding and repairs.....	1, 198	39.1	60.9	16, 450	6.0	94.0
Miscellaneous manufacturing:						
Brooms and brushes.....	275	51.3	48.7	2, 742	10.9	89.1
Fabricated plastic products.....	524	35.5	64.5	6, 437	8.9	91.1
Professional and scientific instruments and supplies.....	642	52.2	47.8	17, 052	25.2	74.8
Tobacco products.....	698	38.1	61.9	7, 738	7.0	93.0
<i>Nonmanufacturing</i>						
Construction:						
Building construction.....	5, 051	43.2	56.8	62, 811	7.3	92.7
Heavy engineering.....	1, 621	39.0	61.0	25, 011	5.0	95.0
Highway construction.....	1, 539	45.7	54.3	16, 820	8.8	91.2
Transportation:						
Stevedoring.....	2, 204	22.7	77.3	60, 537	2.0	98.0
Streetcar.....	529	32.7	67.3	7, 280	4.8	95.2
Bus.....	1, 260	32.2	67.8	17, 277	5.3	94.7
Streetcar and bus.....	4, 793	33.3	66.7	115, 180	3.6	96.4
Trucking and hauling.....	942	40.2	59.8	11, 157	14.2	85.8
Warehousing and storage.....	954	39.3	60.7	11, 265	7.7	92.3
Heat, light, and power:						
Electric light and power.....	6, 933	34.8	65.2	109, 978	4.1	95.9
Gas.....	3, 803	36.9	63.1	46, 461	5.6	94.4
Waterworks.....	386	29.5	70.5	6, 539	3.5	96.5
Personal services:						
Dry cleaning.....	208	53.8	46.2	2, 309	13.4	86.6
Laundries.....	485	41.2	58.8	7, 403	7.8	92.2
Laundry and dry cleaning.....	641	37.3	62.7	7, 381	7.3	92.7
Amusements and related services.....	136	24.3	75.7	3, 373	1.9	98.1
Hotels.....	1, 552	43.9	56.1	14, 545	10.4	89.6
Eating and drinking places.....	265	46.0	54.0	3, 061	10.9	89.1
Business services:						
Banks and other financial agencies.....	225	28.0	72.0	3, 285	3.5	96.5
Insurance.....	330	34.2	65.8	5, 086	4.3	95.7
Miscellaneous business services.....	318	35.8	64.2	4, 524	4.7	95.3
Educational services.....	1, 239	39.5	60.5	15, 595	6.4	93.6
Fire departments.....	1, 740	23.7	76.3	33, 438	2.4	97.6
Police departments.....	909	33.3	66.7	14, 142	4.6	95.4
Trade:						
Wholesale distributors.....	3, 421	45.3	54.7	39, 192	9.4	90.6
Retail, general merchandise.....	997	46.2	53.8	12, 653	6.6	93.4
Retail food.....	1, 245	37.3	62.7	13, 041	7.4	92.6
Wholesale and retail dairy products.....	997	31.9	68.1	12, 279	5.1	94.9
Retail automobiles and accessories.....	650	46.6	53.4	5, 673	10.6	89.4
Retail apparel and accessories.....	229	51.1	48.9	1, 731	12.1	87.9
Miscellaneous retail stores.....	754	44.4	55.6	9, 355	6.5	93.5
Wholesale and retail building supplies.....	1, 003	36.2	63.8	15, 171	5.0	95.0

<sup>1</sup> Any injury which does not result in death or permanent impairment but which renders the injured person unable to perform a regularly established job throughout the hours corresponding to his regular shift on any day after the day of injury is designated as a temporary-total disability.

<sup>2</sup> Based on reports from those establishments which were able to supply the requested break-down.

<sup>3</sup> Total includes figures for industries not shown separately.

TABLE F.—Indexes of injury-frequency rates in manufacturing, 1926-47, by extent of disability<sup>1</sup>

[1926=100]

Year	All injuries	Death and permanent-total	Permanent-partial	Temporary-total	Year	All injuries	Death and permanent-total	Permanent-partial	Temporary-total
1926-----	100.0	100.0	100.0	100.0	1937-----	85.8	85.7	122.0	83.7
1927-----	93.6	107.1	96.3	93.3	1938-----	71.7	71.4	78.9	68.1
1928-----	93.2	107.1	104.6	92.5	1939-----	73.4	71.4	80.7	73.9
1929-----	99.2	92.9	109.2	98.7	1940-----	75.3	71.4	84.8	75.6
1930-----	95.5	107.1	111.0	94.6	1941-----	85.8	80.3	93.7	86.2
1931-----	78.0	92.9	102.8	76.5	1942-----	93.5	70.7	83.4	94.1
1932-----	80.9	107.1	113.8	78.9	1943-----	94.4	70.7	83.4	95.0
1933-----	91.8	85.7	110.1	90.8	1944-----	88.3	62.8	75.4	89.7
1934-----	93.6	107.1	128.4	91.6	1945-----	81.9	62.8	72.3	83.0
1935-----	88.1	92.9	121.1	86.2	1946-----	84.3	60.1	77.9	85.3
1936-----	85.7	85.7	114.7	84.1	1947-----	78.4	51.7	70.1	79.3

<sup>1</sup> 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.



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