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**FIFTH ANNUAL REPORT**  
**OF THE**  
**UNITED STATES EMPLOYEES'**  
**COMPENSATION COMMISSION**



**JULY 1, 1920, TO JUNE 30, 1921**

**COMMISSIONERS**

**JNO. J. KEEGAN, Chairman**  
**CHAS. H. VERRILL**



**WASHINGTON**  
**GOVERNMENT PRINTING OFFICE**  
**1921**

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## FIFTH ANNUAL REPORT OF THE UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

WASHINGTON, D. C., Oct. 15, 1921.

*To the Senate and House of Representatives:*

The United States Employees' Compensation Commission was created by the act of September 7, 1916, providing compensation for civil employees of the United States suffering personal injuries while in the performance of their duties, as the administrative authority charged with the duty of giving effect to the provisions of the act. The organization of the commission dates from March 17, 1917, when two of the commissioners took the oath of office and formally organized, but office quarters were not secured until March 26, 1917, so that it is practically accurate to say that the actual work of the commission did not begin before April 1, 1917.

By express authority of the act (sec. 42) the President by Executive order of September 15, 1916, transferred the administration of the act so far as the employees of the Panama Canal and Panama Railroad Co. are concerned to the governor of the Panama Canal, and by a similar order, dated September 29, 1916, transferred the administration so far as the employees of the Alaskan Engineering Commission are concerned to the chairman of the Alaskan Engineering Commission.

To the present date no amendments have been made to the compensation act except that in the act providing appropriations for the expenses of the government of the District of Columbia, effective July 1, 1919, the benefits of the compensation act were granted to all civil employees of the District of Columbia, except policemen and firemen. The reason for the omission of policemen and firemen from the benefits of the act was that there was already a law providing disability and death benefits which was considered in certain respects more liberal than the Federal compensation act. All payments of benefits on account of injuries of District of Columbia employees are payable by the disbursing officer of the District government out of funds appropriated for the special purpose, after awards by the Compensation Commission, which is charged with all duties in connection with claims of District employees except that of making payments.



## SUMMARY OF COMPENSATION ACT.

The provisions of the new act, briefly summarized, are as follows:

Date of enactment, September 7, 1916; in effect same date.

*Injuries compensated.*—Personal injuries sustained while in the performance of duty causing death, or disability for more than three days—if not due to intoxication, willful misconduct, or intention to bring about injury.

*Industries covered.*—All civilian employments of the United States Government and the Panama Railroad Co.

*Persons compensated.*—All civil employees of the United States and of the Panama Railroad Co.

*Burden of payment.*—All borne by the United States Government through a special compensation fund.

*Compensation for death.*—(a) Burial expenses not exceeding \$100 and transportation of body of residents of the United States dying away from home station, if relatives desire it.

(b) To widow or dependent widower alone, 35 per cent of the monthly wages of the deceased, with 10 per cent additional for each child, the total not to exceed 66⅔ per cent.

(c) If no parent survives, 25 per cent to one child and 10 per cent additional for each additional child, the total not to exceed 66⅔ per cent.

(d) To wholly dependent parents of deceased, 25 per cent if one, 40 per cent if both, are dependent; if partially dependent, a lower percentage according to the degree of dependency; if there is a widow, widower, or child, the parents' rights are subordinate, and the total awards may not exceed 66⅔ per cent.

(e) Other dependent relatives receive benefits in smaller amounts subject to the claims of the foregoing relatives.

Payments to a widow or dependent widower terminate on their death or remarriage; to a child on marriage, reaching the age of 18, or if over 18 and incapable of self-support, on becoming capable of self-support; payments to other beneficiaries are subject to the above limitations, but may in no case continue beyond eight years.

Payments in any case are subject to a maximum of \$66.67 per month, and to a minimum of \$33.33, unless the actual earnings are less than that amount, when the compensation shall equal the earnings.

*Compensation for disability.*—(a) Reasonable medical, surgical, and hospital services and supplies; such services and supplies to be furnished by United States medical officers and hospitals wherever practicable.

(b) For total disability, 66⅔ per cent of the monthly pay during the continuance of such disability.

(c) For partial disability, 66⅔ per cent of the difference in wage-earning capacity due to such disability.

Payments are subject to the same maximum and minimum amounts as in case of death. Payments on account of death or permanent disability may be commuted to a lump sum, in the discretion of the commission.

*Revision of benefits.*—Awards may be reviewed by the commission at any time, either on request or by the commission on its own motion.

*Security of payments.*—Compensation is paid from special compensation fund established by congressional appropriation.

*Settlement of disputes.*—The United States Employees' Compensation Commission decides all questions arising under the act.

The administration of the act in the Panama Canal Zone is by the Governor of the Panama Canal, and in the work of the Alaskan Engineering Commission by the chairman of that commission. The administration of the act as applied to District Government employees is by the Compensation Commission, but payments of



benefits after award by the commission is by the disbursing officer of the District government out of a special appropriation.

Claims must be made within one year or the commission is without discretion to award the benefits of the law.

### WORK OF THE COMMISSION.

The previous annual reports of the commission have referred to the difficulties in the administration of the Compensation Act, due to the delay between the coming into effect of the law and the organization of the commission and to the additional difficulty caused by the increase in the pressure of Government work, due to the creation and expansion of departments devoted to or affected by war demands. These conditions have from the beginning caused many delays in the submission of reports and claims and have greatly increased the difficulties and volume of the work necessary in securing the information indispensable in the adjustment of claims for compensation.

For somewhat different reasons the administration has been rendered difficult since the termination of military operations and the reduction of Government activities on account of the war. The demobilization of the Army, the abandonment of Government camps and establishments, and the discharge of thousands of employees have made it practically impossible in many cases to get prompt and adequate reports, and oftentimes to get any reports without prolonged correspondence and personal investigation. Officials in charge of work who had become familiar with their duties under the Compensation Act in case of injuries to civil employees have often been displaced by other officials with no knowledge of procedure and entirely ignorant of even the existence of the Compensation Act, or any duty toward a civil employee when injured. The readjustment following the war also brought under Government control a considerable number of establishments, which, during the war, were under the control of contractors. In certain services also an enormous expansion took place during the period of demobilization, accentuating to an unusual degree all the difficulties in getting adequate and prompt reports and claims in case of injury. Notable among services of the latter class were the Army Transport Service, greatly increasing the employees on ships and the employment of longshoremen and other labor at points of debarkation, also the Shipping Board, as a result of the expansion of its shipping in operating ships directly and through agents.

While it might be supposed that with a gradual diminution or entire cessation of these services compensation claims would cease, such has not been the case. A considerable number of claims are received from time to time the disposition of which is rendered much more difficult by the very fact that the establishments in which the injuries occurred have been discontinued. Persons familiar with the records

or with any personal knowledge of the facts where records have been made have left the Government service and are scattered. It has often happened when civilians have been employed with the military forces that injuries have occurred and records have not been made or have been inadequately kept due to the pressure of war conditions and to ignorance of the Compensation Act. The result is that numerous cases have arisen of civilians exposed to all the hazards of military service and practically subject to all the regulations of the military service who have been injured while so employed and have not been furnished relief. A considerable number of these cases, although meritorious because of the fact that the disabilities incurred were due, without question, to the conditions of employment, can not be granted any relief under the Compensation Act because no claims of any kind were submitted within the period of one year as absolutely required by the statute. The facts in such cases are often not ascertained without protracted correspondence and personal investigation.

While it might have been expected that the number of reports and claims submitted to the commission would diminish promptly with the termination of the war and a reduction of military activities, the record of the past two years does not show that this expectation has been fully realized. During the fiscal year following the war not only was there no diminution in the number of reports and claims on account of injuries but the number actually increased.

During the fiscal year ending June 30, 1921, there was a gradual falling off in the number of injuries reported, amounting to 23.4 per cent, and in claims filed there was a falling off of 31.4 per cent.

A comparison of the number of reports and claims under a compensation act does not accurately measure the increase in work which results in the continued operation of the law. The awards on account of death are a continuing obligation upon the funds of the commission; these awards continuing in the case of a widow until death or remarriage; in the case of children until 18 years of age; and in the case of other dependents for a maximum period of 8 years, unless sooner terminated by death, marriage, or cessation of dependency. In the early years of the Compensation Act new awards are added to the death roll of the compensation fund steadily and quite rapidly, while the cessation of payments in the early years comes but slowly. The financial obligations due to death awards must be expected to increase for a considerable term of years until the cessations due to natural causes offset the number of new awards.

The number of death claims for which awards had been made on July 1, 1920, was 873, while the number on the July pay roll for 1921 was 1,179, or a total difference of 306, but there were 26 cases which

had been closed during the year for various reasons, making a total number which had been allowed during the year of 332. This figure does not refer to the total number of dependents, but has reference merely to the number of cases. For number of dependents and cessations of dependency see Tables 16 and 18 and text following in this report.

It is apparent from what has been said that the amount of work involved in the payment of claims on account of death will continue to increase quite rapidly and that terminations will diminish only gradually the demands upon the compensation fund. This will be understood when it is noted that the 725 widows to whom awards have been made are of an average age of 39.15 years, and that the 1,080 children to whom awards were made are of an average of about 8 years, while the 254 dependent mothers were of an average age of 55 years, and the 121 dependent fathers of an average age of 59 years.

Cases of permanent total disability while much less frequent than cases of death call for awards continuing for life. There is gradually being built up, therefore, a permanent total disability roll of beneficiaries which is making greater demands from month to month on the compensation fund, and will impose as time passes an increased amount of work upon the commission. Permanent partial disabilities, which somewhat exceed in number the two classes just mentioned, may also call for payments so long as disability for work can be shown. These cases, because of the continuing need of repeated investigation, are the claims causing the most trouble and most difficult of a satisfactory disposition. There are also a few long-continuing temporary disabilities creating difficulties similar to those which arise in the case of permanent partial disabilities, and these also contribute to the increased demand upon the compensation fund and the increased burden of work which must come with the increased age of any compensation act which provides for the payment of compensation during disability or for life.

The commission has from the beginning attempted to bring to the attention of all employees and official superiors the rights of employees, when injured, under the Compensation Act, and the procedure to be followed to protect the employee and the Government in the securing of such rights. A pamphlet has been issued and distributed to all Government establishments containing the regulations of the commission and explaining the duties, in case of injury, of the injured employee, the official superior, and the physician authorized to furnish treatment. The commission also has distributed through official superiors leaflets explaining what to do in case of injury to secure the benefits of the compensation law. More than a million of these leaflets have been distributed, and it is believed that one or more has been placed in the hands of every Government employee. Posters

have also been distributed to every Government establishment in a further attempt to bring to the attention of every employee the procedure under the Compensation Act, and to serve as a reminder in case he has forgotten the information brought to his attention in other ways.

Under the Retirement Act of May 22, 1920, section 5, any injured Government employee, if in the classified civil service and having a record of at least 15 years of such service, and totally disabled, is given a right of election to choose to receive either the benefits of the Retirement Act or the benefits of the Compensation Act, whichever he may consider more advantageous in his particular case. A few of the older employees have preferred the benefits of the Retirement Act to those of the compensation law. Usually, however, in case of serious permanent disability, employees have preferred the benefits of the Compensation Act, because of the slightly higher rate of money compensation and the fact that it provides for medical and hospital treatment in case of need, which the Retirement Act does not do.

#### DISBURSEMENTS SINCE ORGANIZATION OF THE COMMISSION.

The following statement shows the net amount of money disbursed by this commission for each year from its organization, March 26, 1917, to June 30, 1921, inclusive:

DISBURSEMENTS DURING FISCAL YEARS 1918, 1919, 1920, AND 1921 FOR SALARIES AND EXPENSES, AND FOR COMPENSATION AND MEDICAL AND HOSPITAL EXPENSES ON ACCOUNT OF INJURIES TO EMPLOYEES.

[Disbursements for salaries and expenses for the fiscal year 1921 include outstanding obligations on Sept. 30, 1921.]

	Mar. 26 to June 30, 1917.	Fiscal year 1918.	Fiscal year 1919.	Fiscal year 1920.	Fiscal year 1921.
<b>Salaries and expenses:</b>					
Furniture and equipment.....	\$8,968.12	\$4,187.57	\$2,080.96	\$3,190.72	\$7,808.49
Books, stationery, and supplies...	667.15	2,111.10	1,042.53	1,656.82	4,815.28
Travel expenses.....	2,183.21	1,601.37	11,355.90	4,903.91	5,792.15
Salaries.....	9,794.05	55,774.85	88,123.84	107,870.60	121,168.80
Medical examinations (sec. 21).....	21.77	371.00	336.18	475.80	369.50
Travel expenses (sec. 21).....		5.30	70.68	219.87	483.51
Rent.....	688.39	3,112.50	3,475.00		
Printing and binding.....	3,455.44	9,478.05	5,480.66	8,674.49	8,658.75
Miscellaneous.....	1,616.66	741.09	12,783.36	2,081.66	1,985.28
Salary bonus.....		2,083.03	4,400.17	11,824.32	15,545.99
<b>Total.....</b>	<b>27,394.79</b>	<b>79,421.86</b>	<b>129,149.28</b>	<b>140,898.09</b>	<b>166,627.75</b>
<b>Employees' compensation fund:</b>					
Injury compensation.....	121,731.97	453,926.88	906,595.00	1,178,419.10	1,129,736.55
Lump-sum awards (injury).....				<sup>1</sup> 109,225.86	201,511.03
Death compensation.....	292.95	79,159.68	226,619.78	376,014.25	495,999.23
Lump-sum awards (death).....				18,771.78	48,907.85
Medical treatment and supplies...	781.15	160,307.93	222,158.19	354,472.81	370,227.01
Transportation (sec. 9).....		2,222.81	6,631.74	13,551.12	18,154.28
Burial expenses.....		10,541.57	37,043.23	34,882.95	30,052.13
Embalming and transportation (sec. 11).....		99.05	709.10	2,527.71	8,758.61
<b>Total.....</b>	<b>122,806.07</b>	<b>706,257.92</b>	<b>1,399,757.13</b>	<b>2,087,365.58</b>	<b>2,303,346.69</b>

<sup>1</sup> Prior to the fiscal year 1920 lump-sum awards were included in the amounts carried as injury compensation and death compensation.



## COMPARISON OF APPROPRIATIONS AND EXPENDITURES IN TOTAL.

Fiscal year.	Salaries and expenses.		Percentage of increase in disbursements as compared with first full fiscal year, 1918.	Compensation fund.		Percentage of increase in disbursements as compared with first full fiscal year, 1918.
	Total appropriations.	Net expenditures, including estimated outstanding liabilities at the end of fiscal year.		Total appropriations. <sup>1</sup>	Net expenditures.	
Mar. 26 to June 30, 1917.	\$50,000.00	\$27,394.79	-----	\$500,000.00	\$122,806.07	-----
1918.....	87,000.00	79,421.86	-----	500,000.00	706,257.92	-----
1919.....	<sup>2</sup> 138,810.17	129,149.28	62.61	<sup>3</sup> 1,250,000.00	1,399,757.13	98.19
1920.....	144,656.02	140,898.09	177.40	2,100,000.00	2,087,365.58	295.55
1921.....	171,940.00	166,627.75	209.80	2,500,000.00	2,303,346.69	326.13

<sup>1</sup> All appropriations made for the compensation fund are continuing, and the balances, if any, are carried forward each year.

<sup>2</sup> In addition to the appropriations made for salaries and expenses by Congress, an allotment of \$7,000 was made from the President's fund for expenses in France.

<sup>3</sup> In addition to the appropriations for the compensation fund made by Congress, a net allotment of \$50,030 was made from the President's fund for payment of compensation claims.

It should be explained that the above table does not show the total cost to the Government of the administration of the Compensation Act. In addition to the expenditure shown here the Government furnished medical and hospital treatment by Government physicians and in Government hospitals in a very large number of cases. This includes the services furnished by the Public Health Service and by surgeons of the Navy and War Departments. It is probable that the value of this hospital and medical service furnished by other departments of the Government cost not less than \$1,000,000. In addition to this the commission, because of its occupancy of Government buildings, does not make any expenditure directly for rent, water, heat, light, or for the services of watchmen or charwomen. Such services are borne by other departments of the Government, and the amount saved by the compensation fund has not been estimated. Another item of importance, if one desires to compare costs under the Federal law with costs under a State compensation act, is the cost of postage on the basis of rates paid by private individuals. The service furnished to the Compensation Commission by the Post Office Department under the franking privilege does not include the collection and delivery of mail in the city of Washington.

It may be noted that the relative cost of administration, as distinguished from the payments for compensation and medical and hospital services, has gradually decreased since the first year. Naturally, during the period of organization administrative expenses were relatively high. By comparing the above figures it will be noted that the cost of administration during the first complete fiscal year 1918 was 10.1 per cent of the aggregate expenditures. For the year 1919 the cost was reduced to 8.4, for the year 1920 to 6.3, while the cost for the year 1921 was 6.7.

This last increase of four-tenths of 1 per cent is more apparent than real, from the fact that during the fiscal year 1919-20 the contingent fund was very low, and the stock of supplies had run down to the minimum and had to be replaced out of the contingent fund for 1920-21. This also is possibly a result of more extensive investigation having been made in the field. It is probable that there will be a slight further decrease with the increasing age of the Compensation Act and the stabilizing of conditions of Government employment.

The above percentages are based on a comparison of the expenditures of this commission from the compensation fund and for various administrative purposes. If the costs of medical and hospital expenses, which are a charge against the appropriations of other departments of the Government, were included it will be seen that the costs of administrative expenses would be a much lower percentage and such an inclusion would be warranted because of the fact that the furnishing of such service entails much work on the part of the commission.

#### **MEDICAL CARE AND TREATMENT FURNISHED TO BENEFICIARIES OF THE COMPENSATION ACT.**

Section 9 of the Compensation Act provides that injured employees of the Government shall be furnished necessary medical and hospital treatment by United States medical officers and United States hospitals. Where United States medical officers or hospitals are not available for the purpose, the commission is to make other provision for treatment. The Government hospitals and medical officers available to the commission for the treatment of injured employees are chiefly those of the Public Health Service.

The present medical facilities of the Public Health Service available to the commission (October, 1921) for the examination and care of beneficiaries of the act include 76 hospitals, of which 42 are general hospitals, 13 are hospitals for cases of tuberculosis, 10 are hospitals for neuropsychiatric cases, and 1 for cases of leprosy. These hospitals are distributed throughout the country, being established for the most part in the larger cities. They have a total capacity of 20,872 beds, are well equipped, and have on their staffs 946 full-time medical officers and 246 consulting specialists, making a total staff of 1,192 physicians. The personnel of these hospitals include a nursing staff of 1,622 and approximately 10,000 technical and miscellaneous employees. Fifteen of the hospitals maintain well appointed and adequately equipped out-patient departments or dispensaries. There are 21 additional out-patient offices of this type and 82 dispensaries established in various sections of the country, making 118 relief stations.



The Bureau of Medicine and Surgery of the Navy Department has 26 naval hospitals which are available for the treatment of employees of the Navy and in emergency of the employees of other departments. Under certain conditions, when other facilities are not available, beneficiaries of the Compensation Act are admitted to hospitals of the War Department.

To secure the best possible medical service in cities and towns where there are no medical facilities of the Public Health Service, the commission has appointed, in accordance with and to carry out the provisions of section 9 of the Compensation Act, competent physicians who for the most part have had special training and experience in general surgery. The current number of designated physicians totals 2,440, 89 of whom are ophthalmologists and 33 of whom are specialists in orthopedic surgery. All of the physicians appointed under the act are of well-established reputations locally, and many are men of national and international reputations.

By decision of the director and general counsel of the Veterans' Bureau the medical and hospital facilities of that bureau are not available to beneficiaries of the United States Employees' Compensation Act.

During the six months ended June 30, 1921, the United States Public Health Service treated in hospitals 5,233 injured Government employees entitled to care under the provisions of the Compensation Act. To these cases there were given 62,087 days of hospital relief.

The number of injured employees treated during this period at dispensaries was 19,057. These received in all 56,778 dispensary treatments. The dispensary treatments consisted in part of examinations, frequently by specialists, and including laboratory and X-ray examinations. In many instances the dispensary service consisted of baking and massage of injured parts with the corresponding physiotherapeutic attention.

Both the hospital and the dispensary services included every medical facility which could be advantageously used. The cases were seen by specialists whenever there seemed to be a reason therefor. Eye cases were seen by ophthalmologists. Bone injuries were seen by orthopedic surgeons. Appropriate cases were seen by neurologists and psychiatrists, and skin lesions by dermatologists. Every facility for examination and diagnosis was furnished.

For convalescents there were available physiotherapy departments with complete hydrotherapeutic equipment, also facilities for vocational therapy. Every effort was made to make, in so far as practicable, anatomical and functional restoration of the damage done by injuries.

A conservative estimate of the value of these services would be for hospital cases \$3 per day for bed, board, and nursing, and \$3 per

day for medical attention; for the dispensary treatments, \$2 each. This is less than the same service would cost if secured outside of Government institutions. On this conservative estimate the value of the medical service rendered for the six months amounts to a little less than half a million dollars. Although figures are not available for the first six months of the fiscal year, there is no reason to believe that the service rendered was not approximately the same, making in round numbers medical service of the value of \$1,000,000 for the fiscal year.

### THIRD-PARTY LIABILITY FOR INJURY.

Under the provisions of sections 26 and 27 of the compensation act, whenever an injury is sustained or death is caused under circumstances creating a liability on some person other than the United States to pay damages therefor, it is provided that the commission may require a beneficiary to either assign his right of action to the United States or prosecute the action in his own name. When a settlement is made or a judgment collected under these provisions of the act, the amount of money expended by the commission for compensation, including expenditures on account of medical and hospital treatment, is deducted and any surplus is paid to the beneficiary and is credited against future payments of compensation by the commission on account of the same injury.

The following table shows the results obtained in handling third-party cases under this act. This includes all cases in which it has been established that there is an apparent liability of some person other than the United States to pay damages. The table has been divided to show the experience in nonfatal as well as that in fatal cases.

It will be noted that in some of the groups the awards and compensation are not shown for the reason that many of the injured workers are authorized to make settlements with the third party and the information furnished the commission is sometimes incomplete.

On the whole, the showing is a very creditable one, with approximately \$44,000 compensation involved in the 183 nonfatal cases which have been completed, the recovery in these cases being \$88,540 or over \$44,000 to the credit of the workmen.

Of the total of 34 fatal cases, 6 have been completed and recoveries made, amounting to \$18,300. The estimated valuation of these 6 cases amounts to approximately \$28,532. This difference to a large extent can be attributed to the fact that the estimated valuation is based upon the American Table of Experience and provides for payments at the full value of compensation. However, it must be borne in mind that for lump-sum settlements to a widow the limit

of payment permitted in this act is 60 months' compensation. In some cases the awards are greater than the authorized recovery under the laws of the different States. Awards of the commission are authorized and frequently made to dependents who are not authorized to recover damages from the third party under the provisions of the laws of the different States.

With 651 nonfatal cases and 34 fatal cases, making a total of 685 third-party cases, there were recoveries in 183 nonfatal and 6 fatal, making a total of 189 cases, with recoveries amounting to \$106,840.

In addition to the recoveries shown in the following tables, the amount of \$20,666 has been collected upon cases which were previously reported. The showing for the calendar year 1921 on third-party settlements will be considerably greater than in the past record, for there has already been collected for the first six months approximately \$110,000.

There is an ever-increasing number of third-party cases in course of settlement, which involves a great amount of work in giving proper advice and assistance in making settlement.

In addition to the collections for compensation, the workmen have collected about \$812 for damages to property, such as bicycles, vehicles, etc.

## COMPENSATION AWARDED AND MEDICAL AND HOSPITAL EXPENSES PAID AND DAMAGES RECOVERED BY EMPLOYEES DURING 1920 IN CASES IN WHICH INJURY WAS DUE TO NEGLIGENCE OF THIRD PARTY.

## NONFATAL.

Establishment.	Number of third-party cases.	Days' duration of disability, including leave.	Days' leave.	Benefits paid.			Recoveries.		
				Awards and estimated compensation.	Medical and hospital expenses.	Total.	Number of cases.	Amount recovered.	Wage loss on recovered cases.
Agriculture:									
Animal Industry Bureau.....	2	41	41		\$23.00	\$23.00			
Forest Service.....	3	234	51	\$367.13	358.15	725.28	3	\$1,017.00	\$878.92
States Relation Service.....	3	715	105	1,328.96	384.94	1,713.90	2	2,800.00	(1)
Total Agriculture.....	8	990	197	1,696.09	766.09	2,462.18	5	3,817.00	878.92
Commerce:									
Census Bureau.....	1	11	1	15.56	23.50	39.06			
Interior:									
Geological Survey.....	21								
Labor:									
Immigration Service.....	1	30	30		8.00	8.00			
Navy:									
Yards—									
Mare Island.....	1	70	8	128.90		128.90			
Norfolk.....	1	7		8.89		8.89	1	9.00	25.76
Philadelphia.....	2	19	19		15.00	15.00			
Total yards.....	4	96	27	137.79	15.00	152.79	1	9.00	25.76
Supplies and Accounts (other than yards).....	1	13	1	17.78		17.78			
Medicine and Surgery.....	1	86	1	182.23		182.23			
Total other Navy.....	2	99	2	200.01		200.01			
Total Navy Department.....	6	195	29	337.80	15.00	352.80	1	9.00	25.76
Post Office:									
City Mail Service (indoor).....	20	480	38	882.25	483.67	1,365.92	4	665.00	338.37
City Mail Service (outdoor).....	356	11,128	441	20,511.78	8,948.11	29,459.89	80	34,255.00	18,303.44
Railway Mail Service.....	178	8,424	2,841	11,586.27	3,075.35	14,661.62	73	40,526.00	13,606.62
Rural Free Delivery.....	17	931	21	1,882.26	444.58	2,326.84	6	2,062.00	999.52
Total Post Office.....	571	20,963	3,341	34,862.56	12,951.71	47,814.27	163	77,508.00	33,247.95

Treasury:									
Customs.....	9	321	83	447.24	557.00	1,004.24	1	375.00	74.56
Engraving and Printing.....	1	68	31	71.11	198.48	269.59			
Internal Revenue.....	3	102	48	106.67	197.45	304.12			
Public Health Service.....	3	204	143	107.67	126.24	233.91			
War Risk.....	1	14	14	.....	36.80	36.80			
Total Treasury.....	17	709	319	732.69	1,115.97	1,848.66	1	375.00	74.56
War:									
Ordnance—									
Rock Island Arsenal.....	1	5		2.67	6.00	8.67			
Inspection division.....	1	21	3	31.11	98.00	129.11	1	200.00	77.22
Supply depots.....	5	538	22	1,093.60	86.35	1,179.95	2	300.00	456.00
Waco Quarry Development Co.....	1	433		945.80	43.16	988.96			
Total Ordnance.....	8	997	25	2,073.18	233.51	2,306.69	3	500.00	533.22
Engineer.....	2	60	1	117.15	1.82	118.97	2	465.00	219.67
Quartermaster Corps—									
Supply depots.....	13	1,228	69	2,254.29	403.22	2,657.51	4	1,808.00	2,657.20
Spare & Triest Co. (Raritan Arsenal).....	1	78		164.46	66.00	230.46			
Marine repair shops.....	1	10	10	.....	.....	.....			
All other Quartermaster Corps.....	3	105	10	188.01	65.60	253.61	1	15.00	16.00
Total Quartermaster Corps.....	18	1,421	89	2,606.76	534.82	3,141.58	5	1,823.00	2,673.20
Other War—									
Aircraft Service.....	1	3	3	.....	.....	.....			
Motor Transport Corps.....	2	261	1	555.60	459.47	1,015.07	1	3,500.00	903.21
All other War.....	1	12	12	.....	.....	.....			
Total other War.....	4	276	16	555.60	459.47	1,015.07	1	3,500.00	903.21
Total War Department.....	32	2,754	131	5,352.69	1,229.62	6,582.31	11	6,288.00	4,329.30
Miscellaneous:									
Interstate Commerce Commission.....	2	65	65	.....	75.00	75.00			
Justice.....	4	75	75	.....	468.80	468.80			
Shipping Board.....	2	92	59	66.67	.....	66.67	1	500.00	154.11
Hog Island Ship Building Corp.....	1	10	10	.....	3.00	3.00			
District Government.....	5	404	23	780.96	363.50	1,144.46	1	43.00	78.00
Total miscellaneous.....	14	646	232	847.63	910.30	1,757.93	2	543.00	232.11
Grand total.....	651	26,298	4,280	43,845.02	17,020.19	60,865.21	183	88,540.00	38,788.60

<sup>1</sup> Covered by leave.

No time lost.



COMPENSATION AWARDED AND MEDICAL AND HOSPITAL EXPENSES PAID AND DAMAGES RECOVERED BY EMPLOYEES DURING 1920 IN CASES IN WHICH INJURY WAS DUE TO NEGLIGENCE OF THIRD PARTY—Continued.

FATAL.

Establishment.	Number of third-party cases.	Monthly pension.	Awards for burial.	Awards, medical, embalming, transportation.	Awards for compensation before death.	Estimated valuation.	Total cost.	Cases on which recoveries were made.		
								Number of cases.	Amount of recoveries.	Estimated valuation.
Agriculture:										
Forest Service.....	1	\$66.67	\$100.00			\$10,188.00	\$10,288.00			
Interior:										
Geological Survey.....	1		100.00	\$125.76			225.76			
Indian Affairs.....	1	45.00	100.00	122.50		5,276.00	5,498.50			
Reclamation Service.....	1		100.00	166.40			266.40			
Total Interior.....	3	45.00	300.00	414.66		5,276.00	5,990.66			
Navy:										
Philadelphia Navy Yard.....	1	35.00	100.00	60.50		5,076.00	5,236.50	1	\$1,750.00	\$5,076.00
Post Office:										
City Mail Service (outdoor).....	13	441.93	1,300.00	1,542.68	\$428.92	58,135.00	61,406.60	2	4,050.00	8,883.00
Railway Mail Service.....	2	101.67	200.00			14,285.00	14,485.00	1	7,000.00	10,040.00
Rural Free Delivery.....	5	155.00	400.00	336.13		21,993.00	22,729.13	1	5,000.00	1,335.00
Total Post Office.....	20	698.60	1,900.00	1,878.81	428.92	94,413.00	98,620.73	4	16,050.00	20,258.00
Treasury:										
Internal Revenue.....	1	35.00	100.00			5,593.00	5,693.00			
War:										
Ordnance—										
Proving Grounds.....	1	35.00	100.00			4,386.00	4,486.00			
Engineer.....	2	66.67	200.00			10,087.00	10,287.00			
Quartermaster Corps—										
Supply depots.....	2	45.00	200.00	15.60		11,855.00	12,070.60	1	500.00	3,198.00
All other Quartermaster Corps.....	1	35.00	100.00			4,941.00	5,041.00			
Total Quartermaster Corps.....	3	80.00	300.00	15.60		16,796.00	17,111.60	1	500.00	3,198.00
All other War.....	1			396.70			396.70			
Total War Department.....	7	181.67	600.00	412.30		31,269.00	32,281.30	1	500.00	3,198.00
Miscellaneous:										
Shipping Board.....	1	66.67				11,233.00	11,233.00			
Grand total.....	34	1,128.61	3,100.00	2,766.27	428.92	163,048.00	169,343.19	6	18,300.00	28,532.00



## RECOMMENDATIONS OF THE COMMISSION.

The commission submits herewith for consideration of Congress the following recommendations for the improvement and clarification of the act:

1. That the monthly compensation for total disability shall not be more than \$100 nor less than \$50 unless the employee's monthly pay is less than \$50, in which case his monthly compensation shall be the full amount of his pay. The monthly compensation for partial disability shall not be more than \$100. The amount of compensation fixed by the present Federal Compensation Act is a maximum of \$66.67 a month and a minimum of \$33.33 a month, with the proviso that if the monthly pay is less than \$33.33 the monthly compensation shall be the full amount of the monthly pay. The commission considers that the present maximum and minimum are inadequate, and that there should be no deviation from the principle of allowing two-thirds of an employee's monthly pay, but that the bases upon which such monthly pay is to be computed should be changed from the present maximum of \$100 and minimum of \$50 to a maximum of \$150 and a minimum of \$75 per month.

The maximum compensation for total disability under the present Compensation Act is \$66.67 a month. The minimum rate of compensation is \$33.33 a month unless the monthly pay is less than \$33.33, in which case the monthly compensation is the full amount of the monthly pay.

The present maximum rate of compensation is insufficient to meet the present necessary cost of living. Any rate which was reasonable at the time of the passage of the present law, September, 1916, is now necessarily inadequate. The increase recommended is not more than is necessary to meet the increase in the cost of living since September, 1916. The commission does not recommend that there should be any deviation from the principle of allowing two-thirds of an employee's monthly pay, but the basis upon which such monthly compensation is to be computed should be changed from the present maximum of \$100 and minimum of \$50 to a maximum of \$150 and a minimum of \$75 per month. In the more hazardous branches of the Federal Service responsible for a large proportion of the injuries which the commission compensates, the wage scales provide monthly pay in many cases greatly in excess of even \$150, and with the increased wage rates and the increased cost of living, the law now actually fails in a large percentage of the compensation cases to provide compensation equal to two-thirds of an employee's monthly pay. The result of the increases in wage rates is strikingly shown in a comparison of the claims presented to the commission prior to December 31, 1918, and during 1919 and 1920. During the earlier period 35 per cent of all cases were of employees whose

pay was over \$100 per month. During 1919 over 69 per cent of the cases were of employees whose pay was more than \$100 per month, and during 1920, 82 per cent of the cases were of employees whose pay was more than \$100 per month. Among navy yard employees, consisting very largely of skilled workers, during the earlier period 53 per cent were employees whose wage rate was more than \$100 a month; during 1919, 94 per cent were employees whose pay was in excess of \$100 a month, and 38 per cent were paid in excess of \$5 a day; while during 1920, 98 per cent were employees whose pay was in excess of \$100 a month, and 48 per cent were paid in excess of \$5 a day. It is obvious that employees whose standard of living is adjusted to rates of pay considerably in excess of \$100 a month suffer serious hardship when during disability the pay is suddenly reduced to \$66.67 a month.

The argument in favor of increasing the minimum basis for computing compensation is even stronger than that in favor of increasing the maximum. Compensation at \$33.33 a month is quite inadequate to meet the cost of living under present conditions, and employees who have received regular wages or salaries of \$50 a month suffer serious hardship if any part of the wage is withdrawn in case of disability.

For the protection of the funds of the commission, and in the interest of the employees also, it was desirable that in all cases where any third party was liable in damages for the injury of a civil employee while in performance of duty, the injury should be promptly reported to the commission and the claim placed in its hands for settlement. There has been a very marked tendency on the part of many injured employees, railway postal clerks particularly, to disregard entirely the Federal Compensation Act and take action entirely independent of the commission against the railroad companies or others responsible for injuries which they have sustained under circumstances which would entitle them to compensation from the United States. The result of this practice is that the required reports of injury are not made at all or that the reports and claims are not made promptly and that the commission is not informed nor in a position to make the investigations which are in some cases necessary in order to protect the interests of the United States. This becomes especially important when an injury results in death or serious disability which was not foreseen at first or at the time of the employee's settlement of his demands or suit. The low maximum limit of compensation under the existing law is the reason given by employees in many cases of their failure to take advantage of the benefits provided by the Compensation Act.

2. That in computing the monthly pay 30 days per month for each month in the year shall be used as the basis of such computation.

The rates of pay not only in different occupations but in the same occupation in different establishments of the Federal Government differ greatly, and the method of computing pay, as well as of making payments, is not at all uniform, but seems in many cases to be established by local custom or long-established practices, which vary widely. The statutory provisions of another Federal law already provide for the computation of annual and monthly salaries on the basis of 30 days per month for each month in the year, and the commission considers that substantial justice would be done by following this precedent for the computation of the monthly pay upon which compensation is based for all injured civil employees, and at the same time would have the decided advantage of establishing a uniform method of computation, thereby making the computing process a simple one, free from complications, and greatly lessening the liability of error. When amended the act should retain the provision of the present act, that subsistence and the value of quarters furnished an employee shall be included as part of the pay, but overtime shall not be taken into account.

3. That if the disability is partial the United States shall pay to the disabled employee during such disability a monthly compensation equal to such percentage of the compensation payable in case of total disability as the difference between his monthly pay at the time of injury and his monthly earning capacity after the beginning of such partial disability bears to his monthly pay.

The amendment suggested would make the compensation payable in case of partial disability proportionate to the degree of disability, and would not permit the payment of total disability compensation when an employee was able to work and earn wages perhaps in excess of what could be paid by way of compensation. Under the act as it now stands it not infrequently happens that an employee with a small degree of permanent disability is entitled to receive compensation at the rate of \$66.67 a month, the maximum which can be paid in case of total disability. This is due to the fact that during the period of the war many men were in receipt of a very high rate of pay, rates in numerous instances running to \$8 and \$9 a day. Under such conditions a man slightly disabled so as to be unable to follow the occupation at which he was injured may be in receipt of \$4 or \$5 a day and at the same time be entitled on the basis of two-thirds of his loss of wages to compensation at the maximum rate. The revision of section 4 of the act as suggested would correct this condition and compensate the partially disabled employee according to the degree of his partial disability.

4. That when death results from an injury the United States shall pay to the personal representative of the deceased or to the undertaker or to any person who has already paid such expenses, burial expenses not to exceed \$150, in the discretion of the commission.

Under the present law burial expenses may be paid only to the personal representative of the deceased employee, and the question as to who is the personal representative must be determined by the laws of the domicile of the deceased employee. This oftentimes involves considerable delay.

If the commission were allowed to pay the undertaker direct, or to reimburse the person who actually paid the burial expenses, even though he might not be the legal personal representative of the decedent, considerable difficulty would be obviated and time saved. In addition such authority, if given to the commission, would insure the payment of burial expenses to the person who had already incurred obligations on account of the same or who had performed a service in connection with preparing and interring the body. There are cases in which employees of the United States have been killed under circumstances entitling them to burial under the Compensation Act where there have been no surviving relatives, at least in the United States, and undertakers have hesitated to prepare the bodies when they could not be assured they would be reimbursed for the services performed and the burial supplies furnished.

If the authority requested is granted, undertakers throughout the country will become acquainted with the fact that civil employees of the United States, killed while in performance of their duties, are entitled to a decent burial, for which the Government will be responsible up to \$150, and regardless of the financial circumstances of the decedent they will be willing to give him a decent burial.

The allowance for burial expenses should be increased from \$100, provided in the present act, to \$150. This increase is recommended because with the greatly increased cost of materials and labor, the present allowance is entirely inadequate to pay reasonable burial expenses in nearly all cases. The bills which are submitted to the commission as the basis of \$100 for burial expenses show that the commission is now paying much less than the actual cost of funeral and burial expenses. Under State compensation acts a number of the States allow burial expenses up to \$150, Illinois, Kansas, Ohio, South Dakota, and Utah being among those which allow this amount. In three States—Maine, Michigan, and Rhode Island—the allowance on account of the expenses of the last sickness and burial is \$200. The experience of this commission shows that in 85 per cent of the deaths from industrial accidents there is no expense on account of last sickness.

5. That the definition of "child" as given in the present law should be amended to read as follows:

The term "child" includes stepchildren, adopted children, and posthumous children, but does not include married children. The term "stepchildren" includes, however, only those persons dependent upon the decedent at the time of death, and payment of compensation in such cases shall cease when a natural parent is able to fulfill his natural obligation to support the child.



This change is made in order to avoid awards to stepchildren not dependent upon the deceased employee at the time of death, which would seem to be required under the letter of the present act. Such a case might arise when a stepchild made claim for compensation on account of the death of his stepfather, even though he was actually living with and dependent upon his own father, the law not requiring the test of dependency in the case of children or stepchildren. The amendment suggested is also intended to terminate compensation in the case of a stepchild originally entitled to an award because living with and dependent upon his deceased stepfather and his own mother, but later returning to live with and be supported by his own father. Under either of the conditions above described it has seemed to the commission that compensation should not be payable under any compensation act.

6. That the definition of the term "parent" in the Compensation Act shall be amended to read as follows:

The term "parent" includes step-parents and parents by adoption; also any person who for more than three years prior to the death of the deceased employee stood in the place of a parent to him.

This amendment is suggested by cases which have arisen where a relative not among those enumerated as dependents within the meaning of the Compensation Act had for a long period supported and stood in the place of a mother to an employee who was killed. Because of the limitations of the act, claims wholly meritorious have been denied, resulting in great hardship. While these cases are only rarely arising it is believed the Compensation Act should be amended so as to meet the existing conditions.

7. That the definition of the term "widow" in the act shall be amended to read as follows:

The term "widow" includes only the decedent's wife living with or dependent for support upon him at the time of his death, or living apart for justifiable cause and by reason of his desertion.

The change from the existing law in this definition is in the inclusion of the words "or living apart for justifiable cause and by reason of his desertion." The reason for this addition will be apparent when the limitations of the present definition are noted. The definition does not permit an award even to a deserted wife who has been awarded an allowance by order of the court if the payment of such allowance has been avoided.

8. That in place of the present requirement that compensation payable to a child, brother, sister, or grandchild under legal age shall be paid to a guardian, it is recommended that the following provision shall be made:

If there be no guardian of a minor dependent to whom compensation is payable, the amount payable on account of such minor dependent may be paid to any surviving parent or to such other person as the commission may order and direct, and

the commission may require any person other than a guardian to whom it has directed compensation for a minor dependent to be paid to render as and when it shall so order accounts of the receipts and disbursements of such compensation and to file with it a satisfactory bond in a sum sufficient to secure the proper application of the money received by such person.

This amendment is recommended to obviate the expense apparently necessary under the present act of having a guardian appointed to administer the very small amount of compensation payable to dependent children. It is believed that it will make the entire amount of compensation award available for the support of the child, which is not always the case under the limitations of the present law.

9. That in the event of the remarriage of the widow compensation shall be continued to be paid to her for a period of 24 months from the date of marriage, but this provision shall not operate to increase the amount of compensation payable to any other beneficiaries.

The general principle here introduced is found in the laws of several of the States, and the commission feels that there is decided merit in the amendment suggested. The present Federal act provides that a widow's compensation shall be paid until her death, unless she remarries, when it shall immediately cease. In the case of a young woman whose expectancy of life is a considerable number of years, the obligation of the United States is a heavy one. Compensation in many such cases, unless the widow remarries, will continue for twenty, thirty, or forty years, at the rate of 35 per cent of the deceased husband's monthly pay. It is not only to the financial interest of the Federal Government to diminish this obligation as much as is reasonably possible with justice to the beneficiary, but in the broader sense it is very much to the interest of society at large that such young women should remarry for the purpose of establishing a new family relationship and a new home. Both the young widow and the prospective second husband might hesitate to establish a new family relationship if there were any outstanding obligations against the widow, resulting either from expenses incidental to the first husband's injury and death, which are not provided for by the Compensation Act, or from an insufficient income for the period before or after the first husband's death. If, in addition to these economic considerations, the widow realizes that her marriage, a step which would obviously be to the interest of society at large and in a pecuniary way to the United States Government, would immediately terminate her compensation, she might never remarry. The payment of compensation to the widow for a period of two years after her marriage would undoubtedly in some cases prove a strong incentive and would in the opinion of the commission accomplish a very laudable purpose. By distributing the payments over a period of two years it is fair to assume that such a bonus would not prove a temptation to the pros-



pective second husband to marry the widow merely for the purpose of gaining control of her funds. In practically every case in which advantage of the benefits of this section would be taken there would be a considerable reduction of the amount of compensation eventually to be paid by the commission.

10. That when in the judgment of the commission it is desirable to commute compensation payable to a widow by the payment of a lump sum, such lump-sum payment shall be limited to 96 instead of 60 months' compensation as at present. The present limitation means that in case of a lump-sum payment to a widow the beneficiary will be compelled to forfeit 70 or 80 per cent of the present value of the compensation benefits which she otherwise might expect to receive under the law. In cases where the beneficiary exercises a deliberate choice and prefers the smaller amount in cash in place of the large amount as an annuity, no injustice would be done, but as these awards may be made upon the decision of the commission and not upon the request of the beneficiary, the amount stipulated in the law seems unreasonably low, and in recommending that the limit should be raised to 96 months the commission has simply adopted the period fixed for such beneficiaries as grandparents, brothers, sisters, and grandchildren under paragraph (G) of section 10 of the existing law.

11. That compensation payable to a dependent parent shall be paid until such parent dies, marries, or ceases to be dependent instead of being limited to a period of eight years as provided in the present law.

If the dependency of the parent is the reason for the payment of compensation, it is clear that the reason is likely to be very much stronger when the parent has advanced in age eight years than it was at the time of the injury and death of the son or daughter upon whom the parent was dependent. In the natural course of events it would be expected that the ability of the parent for self-support would steadily decrease with age. It is a natural expectation of parents that their children will support or assist in providing for them in their old age, when their earning power has greatly decreased or gone altogether. To deprive parents of compensation at the end of an eight-year period is to leave them in a worse condition than at the beginning of the period when the law first imposed the obligation upon the United States of making payments for their support.

12. That whenever any beneficiary entitled to benefits under the act shall die before the amount payable to him has been received from the United States, such amount may be paid by the commission to the widow or widower of such beneficiary, or, if there is no surviving widow or widower, to the nearest surviving relative or relatives.

In the very great majority of such cases the amounts involved are quite small, representing principally what small balance might be due from the date of last payment to the date of death, which in nearly every case would be a period of less than two weeks. At present when such amounts have accrued prior to the death of beneficiaries, it is necessary to make payment of these small sums to the persons entitled to receive them under the laws of the jurisdictions in which they reside. In many cases the widow, if there is one, is entitled to such amounts, but in other cases the distribution is more involved and considerable expense and loss of time may result, particularly if it is necessary to have an administrator appointed. The commission from the facts ascertainable from the record in every case could readily determine the person or persons to whom these small amounts should be paid and would be in a position to make an equitable apportionment if there should be more than one surviving near relative, thus saving to the persons to whom the money should rightfully go considerable expense, as well as obviating delay in the settlement of the case and saving time and expense on the part of the commission.

13. That the definition of the term "employee" in section 40 of the act shall be amended to read as follows:

The term "employee" includes all civil officers and employees of the United States and of the Panama Railroad Co.

It is the belief of many persons directly interested in the passage of the existing Compensation Act that Congress did not intend to draw a distinction between civil officers and civil employees of the United States, but that the distinction intended was between the civil and military branches of the Federal Government. The Attorney General in an opinion rendered to this commission has held that a commissioned surgeon of the United States Public Health Service appointed by the President by and with the advice and consent of the Senate is an officer of the United States and not an employee within the meaning of that term as used in the Federal Compensation Act; also that an assistant United States district attorney is an officer and not an employee. It is exceedingly difficult in many cases to determine whether an individual is an officer or an employee, and there is no good reason in the judgment of the commission why a civilian appointed by the President by and with the advice and consent of the Senate or any other civilian designated as an officer should be discriminated against so far as protection under the Compensation Act is concerned. Many such persons are paid salaries no larger than many civilians employed in the service who are not appointed by the President. There would, of course, be very few of the high-salaried officers who would apply for injury benefits under the terms of the Compensation Act, but the death benefits conferred by the law in case of death while in performance

of duty would be a real boon to the dependents of many officers who have devoted the greater part of their lives to the service of the Federal Government and who have not been able to make provision for the support of their families after their death.

14. That the act be so amended by the addition of a provision that when a civil employee of the United States has sustained a personal injury while in the performance of duty and is in the opinion of the compensation commission permanently disabled for work at his former occupation, and in need of vocational training to overcome the handicap of his disability, he may be furnished by the compensation commission a course of vocational training, and that during such period of training approved by the commission he may be paid compensation as for total disability, and if he has dependents within the meaning of the Compensation Act he may be paid in addition compensation on account of such dependents according to the provisions of section 10 of the Compensation Act applicable to the payment of compensation in case of death. In the case of such an allowance it is suggested that the total compensation payable during an approved period of vocational training should be at a rate not in excess of \$150 per month.

In a number of cases employees permanently disabled and probably in position to claim compensation from the commission for an indefinite period have desired to take vocational training in order to prepare themselves for occupations suitable to their crippled condition. Under the present law the commission can only continue compensation for total disability during the period of training if it should be found that training is desirable. If the period of training necessary is reasonably brief, the man without dependents may be able to undertake training, but for the man with dependents such training is usually impossible of consideration. It is the belief of the commission that in a considerable number of cases an additional allowance on account of dependents would be an excellent investment both from the standpoint of the compensation fund and of the public interest.

15. That the Compensation Act be amended so as to provide that upon termination of disability for work under an award of the Compensation Act an employee shall be entitled to reemployment or reinstatement at the salary he was receiving at the time of his injury.

In certain cases which have come to the attention of the commission, employees have been required to resign during a prolonged period of disability, the resignation perhaps being necessary in order to permit the temporary filling of the disabled employee's position. In some of these cases, when an employee has entirely recovered and was able to resume work, he has been refused reinstatement or reemployment. It is believed that it is not consistent with the spirit of the compensation law and of the civil-service law that a disability

due to an injury while in the performance of duty shall ever be used as a reason for denying an employee reinstatement or reemployment whenever disability for work ceases, and he is able and willing to resume the work for which he was, and still is, fitted.

16. That the act be amended so as to permit the commission to cooperate with the various Government departments and independent establishments to prevent personal injuries to employees and to authorize the employment of a safety engineer to direct such cooperative work.

The various Government departments and independent establishments, especially those which are engaged in manufacturing operations, are, and must continue to be, more or less actively engaged in studying the cause of injuries which occur to their employees and attempting by the most appropriate safety measures to prevent their recurrence. If such work is carried on independently in the various Government establishments, valuable experience gained in one establishment will be entirely lost to others, and measures may often be undertaken which are wasteful or ineffective. As a measure of economy therefore, and in order to give the fullest protection to the employees, the commission desires authorization to employ a safety engineer who shall cooperate with the safety engineers in the navy yards and arsenals and in other Government establishments. That such a measure results in considerable savings has been the experience of practically every large industrial establishment in the country. In one large industrial company, where expenditures for safety purposes have been most generous, the gross saving in casualty expenses in the three years, 1911-1913, on the basis of the rate during the first year of safety work, was more than double the cost of safety work.

17. It seems not improper at this time to suggest the need of a workmen's compensation act covering employees of private employers in the District of Columbia. Forty-three of the States, together with Alaska, Hawaii, and Porto Rico, now have workmen's compensation laws on their statute books, and it would appear that workmen in the District of Columbia should have some method provided of recovering compensation when injured in their employments. It is true that Washington is not largely an industrial community, but compensation for industrial injuries is an individual matter, and the individual's need when injured is quite as great whether he is injured in a hazardous or in a comparatively nonhazardous employment. Whether a workmen's compensation act for the District of Columbia should be administered by this commission or by some suitable new agency to be created for the purpose is, of course, for Congress to decide. It may be pointed out, however, that the questions with which the Compensation Commission must deal are of a technical nature, such as can be handled only by those familiar with compensation experience



and precedents. A workmen's compensation law for the District should, it is believed, be a law providing for compulsory insurance in a fund established by the law.

#### STATISTICS OF THE OPERATION OF THE ACT.

Under the United States Employees' Compensation Act, the law and the regulations require that notice of injury shall be given by the injured employee to his official superior within 48 hours of his injury, and that the employee shall be furnished medical treatment. The official superior, on his part, is required to report the injury to the commission if it results in any loss of time other than on the date of injury, or if there is any medical or hospital expense which will be a charge against the compensation commission. Under this rule injuries which received treatment by an establishment physician or which are sent for treatment to a United States medical officer or hospital are not reported if no time is lost except on the day of injury. The injured employee under the terms of the law must submit a claim within one year or his claim must be disallowed.

This failure to report injuries promptly greatly increases the difficulty of establishing claims, and thus delays the payment of compensation when the unexpected happens, and the employee suffers a long period of disability, or when perhaps a permanent disability results from the injury, which at first seemed trivial. Trouble also arises in certain cases when the employee, unmindful of the provisions of the compensation act and of the medical and hospital service available without expense under it, goes to his own physician and incurs expenses for services which he would have had free if he had followed the instructions which had been published or posted in every Government establishment. Cases of this kind also are those in which long-continued disability or permanent disability most often occurs because of delayed or inadequate medical treatment. Misunderstandings and difficulties also arise in connection with personal injuries of a nonaccidental nature where the official superior, being unfamiliar with the scope of the law and understanding that it applies to accidental injuries only, incorrectly advises the employee entitled to the benefits of the act. Cases of this nature, while few in number, have given rise to all kinds of misunderstandings.

The series of statistical tables which follows relates to injuries and claims occurring on or after September 7, 1916, upon which final action closing the case had been taken by the commission during the calendar year ending December 31, 1920. The injuries resulting in temporary disability for work are those in which a termination of disability had occurred and final action in payment of compensation had been taken prior to December 31, 1920. The



cases classed as permanent partial disability are those which resulted in dismemberments or some permanent impairment of the use of a member in which the disability for work had terminated and the employee had returned to work at the same rate of wages as at the time of injury or at a higher rate prior to December 31, 1920. While in each of the cases of this class there is a definite permanent disability, the Federal Compensation Act provides for payment of compensation only in case of loss of earnings. These cases are therefore considered as closed unless and until the employee shall be able to show to the commission that an existing disability has resulted in a further loss of wages as compared with his wage at the time of injury. It is certain that some of these cases tabulated in this report as closed permanent partial disability cases will again come before the commission with well-supported claims for further compensation. The commission, however, is without any knowledge upon which it could estimate how numerous these cases will be or what further compensation will be payable. The cases which have been designated as permanent total disability in this report are those cases where because of the condition of the injured employee it is reasonably certain that he will never be able to return to any kind of work. The Federal Compensation Act does not provide for a formal rating of any case as a permanent total disability as do many of the State compensation laws, but conditions are such in some cases that the future can be forecast with practically no possibility of error. As a matter of fact the commission probably might with a reasonable degree of safety class others of its continuing cases as permanent total disabilities. The cases tabulated as deaths in this report are, except in case of Table 1, which relates to injuries, only those cases in which an award or final action had been made by the commission prior to January 1, 1921.

The Federal Compensation Act covers personal injuries sustained by the employee while in the performance of duty. The commission has construed this to include occupational diseases and other nonaccidental injuries which are shown to be due to the conditions of employment.

#### INJURIES REPORTED AND CLAIMS FILED.

The number of injuries reported and of claims filed with the commission during each month from its organization to June 30, 1921, is given in the table which follows. The rapid increase in reports and claims during 1918 was in part a result of better reporting and in part a result of the greatly increased number of Government establishments and employees during the period of activity caused by the war.

This increase in the number of employees of Government establishments was especially noticeable in the early parts of 1918 and

1919, and it is probable that a greater part of the increase in reported injuries and claims was due to this cause. A related cause known to be effective during this period was the increased hours of labor with much night and Sunday work, as in most Government manufacturing plants the regular eight-hour day was extended to 10 hours or more throughout practically all of the war period.

The increase in the number of reports and claims due to better reporting is a well-recognized characteristic under any new compensation law. With the same number of injuries actually occurring the number of reports and claims may, according to insurance experience, be expected to increase at least 20 per cent during the first five years of operation. The commission's experience with Government establishments indicates that this percentage of increase, which is largely the result of education of employees and officials, is likely to be as great in Government experience as in private establishments. The Government establishments with a few exceptions do not have the very important benefit which so many private establishments have, because of the employment of safety engineers and the enforcement of safety laws and regulations. Government establishments, it should be noted, are not subject to the safety laws which are applicable to practically all States having workmen's compensation laws and which are a most important influence in the education of both employees and employers in the value of safety measures. The human and the money costs of accidents are not brought home to the Government official as matters for which he is held responsible. A great corporation employer will spend thousands of dollars for accident prevention, convinced of the saving that it is thereby effecting, but the Government has not come to consider such expenditures justified economies. Even the newest buildings erected by the Government (not those erected where war stress is an excuse) lack the obvious safety standards fixed by experience and required by law.

Table 1 shows that there has been little change in the number of reports of injuries and claims during the past year, indicating that a permanent level has about been reached. The number of reports and claims, however, is not indicative as a measure of the work of the commission. The numerous discharges from Government service establishments, those from navy yards and arsenals, have given rise to claims for further compensation in many cases of permanent partial disability. These employees are cases of men who have suffered an injury resulting in a permanent disability of a more or less serious character. After the report of total disability, for which compensation has already been paid, the employee has returned to work at his former place of employment, usually at light work, or selected work of his occupation such as could be done in spite of the permanent disability. Immediately upon release from employment

in the Government establishment, the employee finds that he is handicapped in securing employment because unable to do some of the work of his usual trade. These cases, in spite of the attempt to have the closest cooperation between the officials of the employing establishment and the Compensation Commission, require oftentimes much correspondence and personal investigation for equitable adjustment. What is here described is of course what occurs normally with increasing age of the Compensation Act, but the proportion of such cases has been enormously increased because of the sweeping reductions in employees which have taken place in Government establishments. The present industrial depression has also made much more difficult the securing of private employment for permanently injured men and has rendered the work of adjustment of compensation more than usually difficult.

TABLE 1.—REPORTS OF INJURIES AND CLAIMS RECEIVED, SEPT. 7, 1916, TO SEPT. 30, 1921.

Period covered.	Injuries reported.	Per cent increase over previous year.	Claims received.			
			Disability.	Death.	Total.	Per cent increase over previous year.
Sept. 7, 1916, to Mar. 31, 1917.....	5,301	-----	1,575	15	1,590	-----
April.....	706	-----	291	18	309	-----
May.....	792	-----	365	9	374	-----
June.....	1,033	-----	456	9	465	-----
July.....	1,081	-----	471	28	499	-----
August.....	1,381	-----	526	49	575	-----
September.....	1,416	-----	602	20	622	-----
October.....	1,627	-----	776	31	807	-----
November.....	1,330	-----	674	32	706	-----
December.....	1,409	-----	693	16	709	-----
Total year ending Dec. 31, 1917.....	16,076	-----	6,429	227	6,656	-----
January.....	1,628	-----	859	18	877	-----
February.....	1,528	-----	825	34	859	-----
March.....	1,911	-----	1,028	22	1,050	-----
April.....	2,151	204.7	962	16	978	216.5
May.....	2,026	155.8	1,042	29	1,071	186.4
June.....	2,114	104.6	887	25	912	96.1
July.....	2,048	89.5	966	34	1,000	100.4
August.....	2,505	81.4	1,085	26	1,111	93.2
September.....	1,872	32.2	963	36	999	60.6
October.....	2,167	33.2	1,168	46	1,214	50.4
November.....	2,236	68.1	1,185	94	1,279	81.2
December.....	1,932	37.1	1,213	58	1,271	79.3
Total year ending Dec. 31, 1918.....	24,118	50.0	12,183	438	12,621	89.6
January.....	2,003	23.0	1,129	30	1,159	32.2
February.....	2,121	38.8	1,186	57	1,243	44.7
March.....	2,064	8.0	1,300	50	1,350	28.6
April.....	2,080	<sup>2</sup> 3.3	1,046	32	1,078	10.2
May.....	2,505	23.6	1,215	41	1,256	17.3
June.....	2,203	<sup>2</sup> 4.2	1,110	38	1,148	25.9
July.....	1,944	<sup>2</sup> 5.1	1,165	46	1,211	21.1
August.....	2,148	<sup>2</sup> 14.2	974	52	1,026	<sup>2</sup> 7.7
September.....	2,124	13.5	1,053	43	1,096	9.7
October.....	2,385	10.1	1,096	41	1,137	<sup>2</sup> 6.4
November.....	2,156	<sup>2</sup> 3.6	1,124	40	1,164	<sup>2</sup> 9.0
December.....	2,080	7.7	1,027	29	1,056	<sup>2</sup> 16.9
Total year ending Dec. 31, 1919.....	25,813	7.0	13,425	499	13,924	10.3

<sup>1</sup> In the number of deaths for the month of November, 1918, 30 cases have been included, which is a conservative estimate of the number of unidentified dead buried after the explosion at the plant of T. A. Gillespie Loading Co., Morgan, N. J. Burial expenses were paid in these cases, but no claims for compensation were made.

<sup>2</sup> Decrease.

TABLE 1.—REPORTS OF INJURIES AND CLAIMS RECEIVED, SEPT. 7, 1916, TO SEPT. 30, 1921—Continued.

Period covered.	Injuries reported.	Per cent increase over previous year.	Claims received.			
			Disability.	Death.	Total.	Per cent increase over previous year.
January.....	2,176	8.6	1,148	50	1,198	3.4
February.....	1,806	<sup>2</sup> 14.9	1,045	28	1,073	<sup>2</sup> 13.7
March.....	2,059	<sup>2</sup> 24	1,250	41	1,291	<sup>2</sup> 4.4
April.....	1,777	<sup>2</sup> 14.6	1,013	27	1,040	<sup>2</sup> 3.5
May.....	1,688	<sup>2</sup> 32.6	857	40	897	<sup>2</sup> 28.6
June.....	1,732	<sup>2</sup> 21.4	880	25	905	<sup>2</sup> 21.2
July.....	1,525	<sup>2</sup> 21.6	881	42	923	<sup>2</sup> 23.8
August.....	1,473	<sup>2</sup> 31.4	678	42	720	<sup>2</sup> 29.8
September.....	1,327	<sup>2</sup> 37.5	687	31	718	<sup>2</sup> 34.5
October.....	1,550	<sup>2</sup> 35.0	695	37	732	<sup>2</sup> 35.6
November.....	1,498	<sup>2</sup> 30.5	682	31	713	<sup>2</sup> 38.7
December.....	1,469	<sup>2</sup> 29.4	689	33	722	<sup>2</sup> 31.6
Total year ending Dec. 31, 1920.....	20,080	<sup>2</sup> 22.2	10,505	427	10,932	<sup>2</sup> 21.5
January (1921).....	1,629	<sup>2</sup> 25.1	705	40	745	<sup>2</sup> 37.8
February.....	1,440	<sup>2</sup> 20.3	692	29	721	<sup>2</sup> 32.8
March.....	1,669	<sup>2</sup> 39.4	742	40	782	<sup>2</sup> 18.9
April.....	1,552	<sup>2</sup> 12.7	706	13	719	<sup>2</sup> 30.9
May.....	1,701	<sup>2</sup> .8	763	23	786	<sup>2</sup> 12.3
June.....	1,592	<sup>2</sup> 8.0	666	35	701	<sup>2</sup> 22.5
Total to June 30, 1921.....	9,583	<sup>2</sup> 14.7	4,274	180	4,454	<sup>2</sup> 30.4
July.....	1,502	<sup>2</sup> 1.5	655	25	680	<sup>2</sup> 26.3
August.....	1,631	10.7	637	18	655	<sup>2</sup> 9.0
September.....	1,422	7.2	546	25	571	<sup>2</sup> 20.5

<sup>2</sup> Decrease.

A comparison of the figures for one-half of the calendar year 1921, or to June 30, shows somewhat of a decrease over the previous year in the number of claims filed with the commission. The decrease in the number of injuries, taking the one-half of the previous year, or 10,040 as compared with 9,583 for 1921, shows a decrease of 457 or 4.5 per cent, while the decrease in the number of claims filed, comparing the same periods, was 1,012, or 18.5 per cent.

In the previous annual report the number of injuries for the first six months of the calendar year amounted to 11,238, while for the first six months of the calendar year 1921 there were 9,583, or a falling off of 14.7 per cent.

The claims received for the first six months of 1920 amounted to 6,404 and the number for the first six months of 1921 was 4,454, or a falling off of 30.4 per cent. However, there has been somewhat of an increase in the number of accidents reported in the last three months as compared with the same period of 1920. The total nine months' period for 1920 shows injuries reported amounting to 15,563 and claims filed numbering 8,765, as compared with 14,138 injuries reported and 6,360 claims filed in 1921 or a decrease of 9.2 per cent in injuries reported and a decrease of 27.4 per cent in claims filed. The death claims for the same nine months' period for 1920 numbered 326 and for the first nine months of 1921 numbered 248 or a decrease of 23.9 per cent.



## INJURIES REPORTED BY EXTENT OF DISABILITY.

The injuries occurring to civil employees of the United States after September 7, 1916, and before the close of the calendar year 1920, upon which awards apparently closed had been made during the year, numbered 16,706, of which 475 were deaths, 33 permanent total disabilities, and 535 permanent partial disabilities, 332 of this latter number being dismemberments and 203 loss of use. These numbers do not include injuries reported to the commission which were found upon investigation to be not properly tabulatable as occupational injuries, either because the injuries did not occur while in the performance of duty, or because the person injured did not have the status of a civil employee of the United States, or because the evidence of the occurrence of the alleged injury was inadequate.

It will be noted that as heretofore the War and Navy Departments, in order, have contributed the greatest number of injuries, the War Department having 6,429 and the Navy Department 4,133. When deaths are considered, the War Department still leads with 207, followed by the Shipping Board with 106 (out of 334 injuries), and the next in order is the Post Office Department with 54. It will be noted that the Aerial Mail Service, with 9 deaths in a total of 30 accidents has a slightly higher proportion of deaths than the Shipping Board.

The following table shows the number of injuries by extent of disability for each department and important bureau or establishment. The small index numbers give the number of cases of infection in each group. For instance, in the Navy Department it will be noted that out of 4,133 cases 320 resulted in infection, 2 of which were death, 1 permanent total, 25 permanent partial, and 292 temporary total disabilities.



TABLE 2.—NUMBER OF INJURIES BY EXTENT OF DISABILITY FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920.

Department and bureau or establishment.	Total injuries.	Number of injuries resulting in—																		
		Death.	Perma- nent total disability.	Perma- nent par- tial disa- bility.	Tempo- rary total disability.	Temporary total disability of—														
						1 to 3 days, inclusive.	4 to 7 days, inclusive.	8 to 14 days, inclusive.	15 to 21 days, inclusive.	22 to 28 days, inclusive.	Over 28 days.									
Agriculture:																				
Forest Service.....	28 235	12	1	4	9	34	213	26	8	34	9	43	6	32	3	14	9	64		
Public Roads and Rural Engineering.....	3 38	2			2	3	34	3	1	11	1	8		4		2	1	6		
All other.....	13 146	2	1		4	13	139	1	30	2	28	7	33	1	11	9	2	28		
Total Agriculture.....	54 419	16	2	4	15	50	386	1	59	11	73	17	84	6	47	3	25	98		
Commerce:																				
Census Bureau.....	1 27					1	27	3		3		9	1	5		2		5		
Lighthouse Bureau.....	9 133	8	2		6	9	117	1	10	1	23	2	24	1	15	1	12	3	33	
All other.....	2 58	3			1	2	54	15		9	1	13	1	8		1		8		
Total Commerce.....	12 218	11	2		7	12	198	1	28	1	35	3	46	3	28	1	15		46	
Interior:																				
Indian Affairs.....	5 81	4	1		6	5	70		7	2	18		16		7	3	22			
Reclamation Service.....	21 205	3		1	6	20	196	29	38	7	39	4	38	4	13	5	39			
All other.....	9 118	7			4	9	107	16	1	17	3	22		11	2	6	3	35		
Total Interior.....	35 404	14	1	1	16	34	373	45	1	62	12	79	4	65	6	26	11	96		
Labor.....	2 52		1		2	2	49	17		5	1	12		6		2	1	7		
Navy:																				
Yards—																				
Boston.....	47 499	3		1	10	46	486		8	84	14	116	5	58	8	48	11	112		
Bremerton.....	25 405	3		1	9	24	393	1	42	7	120	6	103	4	43	1	21	5	64	
Charleston.....	6 93				3	6	90		9		23	2	25		11	1	4	3	18	
Mare Island.....	24 308	6	2		13	20	287		1	8	44	1	71	6	35	3	25	7	111	
New York.....	58 848	5	1	2	3	24	817	4	156	11	227	11	175	9	71	5	47	14	141	
Norfolk.....	21 310	6		2	11	19	293	3	66	4	88	4	54	2	32	2	16	4	37	
Philadelphia.....	55 574	8	3		6	24	48	539	3	78	6	127	18	129	5	64	3	32	13	109
Portsmouth.....	12 86	1			1	4	11	81	1	1	2	10	2	19	4	18		6	2	27
Washington.....	8 224	3		1	14	7	207	1	16		25	2	43		28	2	27	2	68	
Total yards.....	256 3,347	1 35	1 7	19 112	235 3,193	18 437	41 748	60 735	35 360	25 226	61 687									

TABLE 2.—NUMBER OF INJURIES BY EXTENT OF DISABILITY FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

Department and bureau or establishment.	Total injuries.	Number of injuries resulting in—									
		Death.	Perma- nent total disability.	Perma- nent par- tial disa- bility.	Tempo- rary total disability.	Temporary total disability of—					
						1 to 3 days, inclusive.	4 to 7 days, inclusive.	8 to 14 days, inclusive.	15 to 21 days, inclusive.	22 to 28 days, inclusive.	Over 28 days.
Navy—Continued.											
Stations—											
Alexandria.....	9			1	8			2		3	
Cavite.....	18			2	16	1	1	6	1	2	
Guantanamo.....	11				11			5		1	
Hingham.....	6	1			5	1					2
Kew West.....	9		1	2	7			2	1		1
New Orleans.....	17				16	1	1	1		1	3
Newport.....	1		1	1	1			5	6	1	4
Olongapo.....	68	1	1	4	63	13	2	16	1	13	11
Pearl Harbor.....	42			2	40	6	1	10	11	5	8
Pensacola.....	25	1	2		23	3		7	2	8	3
Portsmouth.....	23			2	21	3			2	9	5
Other naval stations.	3				3					3	3
Ammunition depots.....	76	2		1	73		1	22	3	13	2
Annapolis Naval Academy.....	18				18			3	1	9	8
Proving Grounds.....	39				39	2		3	3	4	1
Marine Corps.....	54	2		1	49	1	8	3	13	1	5
Ordnance (other than yards)	30	1		3	25	5		5	1	14	3
Supplies and Accounts (other than yards).....	101	1		2	98	1	4	6	2	9	11
Other Navy.....	209	2		1	205	2	19	1	24	28	7
	28	1		2	25	1	74	3	23	43	16
						4		1	6	1	43
Total other Navy.....	64 786	1 13		6 23	57 745	4 141	12 143	16 186	9 76	7 43	9 156
Total Navy Department.....	320 4,133	2 48	1 7	25 140	292 3,938	17 578	53 891	76 921	44 436	32 269	70 843
Post Office:											
City Mail Service (indoor).....	80 788	1 5	2	4 11	75 770	2 190	8 151	25 156	17 79	6 42	17 152
City Mail Service (outdoor).....	109 2,032	2 23	1	6 18	101 1,990	5 348	16 398	19 418	16 219	6 129	40 478
Railway Mail Service.....	40 622			3 10	604	58	6 113	12 132	8 90	4 49	7 162
Rural Free Delivery.....	15 231		3	5 12	10 207		1 18	4 35	2 20		12 117
Aerial Service.....	2 30	9			2 21	4		6	2 7	1	3
Total Post Office.....	246 3,703	3 54	6	18 51	225 3,592	7 605	31 686	62 748	43 409	15 232	67 912

[illegible]

TABLE 2.—NUMBER OF INJURIES BY EXTENT OF DISABILITY FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

Department and bureau or establishment.	Total injuries.	Number of injuries resulting in—									
		Death.	Perma- nent total disability.	Perma- nent partial disability.	Tempo- rary total disability.	Temporary total disability of—					
						1 to 3 days, inclusive.	4 to 7 days, inclusive.	8 to 14 days, inclusive.	15 to 21 days, inclusive.	22 to 28 days, inclusive.	Over 28 days.
War—Continued.											
Other war—											
Aircraft Service.....	34 337	6	1	9	34 321	4 66	6 81	7 67	6 28	4 20	7 59
Motor Transport Corps.....	5 71	1	1	6	4 64	5	9	1 13	6	1 5	2 26
Surgeon General.....	3 27	1	1	1	3 24	2	3	2 5	1	2	1 11
All other.....	5 41	1	1	2	4 37	1 12	4	2 9	2	6	1 4
Total other war.....	47 476	9	3	18	45 446	5 85	6 97	12 94	6 37	5 33	11 100
Total War Department.....	561 6,429	7 207	12	44 241	510 5,969	26 920	73 1,183	148 1,366	76 719	37 402	150 1,379
Government Printing Office.....	7 71	1 1		3	6 67	11	2 15	1 14	1 9	5	2 13
Miscellaneous:											
National Home for Disabled Volun- teer Soldiers.....	5 53	2	1	2 7	3 43	2	3	7	2 10	4 4	1 17
U. S. Shipping Board.....	28 334	106		2 17	26 211	2 15	19	7 48	2 35	4 23	11 71
District Government.....	7 91	1		3 5	4 85	14	1 12	1 17	11	14	2 17
All other.....	3 51	1		1 2	2 48	6	9	5	1 10	4	1 14
Total miscellaneous.....	43 529	110	1	8 31	35 387	2 37	1 43	8 77	5 66	4 45	15 119
Grand total.....	1852 16,706	18 475	2 33	111 535	1226 15,663	58 2,445	181 3,143	343 3,484	193 1,874	103 1,064	348 3,653

## DURATION OF DISABILITY AND AMOUNT OF AWARDS.

The number of injuries, with the duration of disability and amount of award in compensated cases for each department and important bureau or establishment, is shown in the next table. Figures are presented separately for temporary disabilities and for permanent partial disabilities.

The table shows that in 15,663 cases of temporary disability the average duration was 25 days, and that in 9,424 of these cases which were compensated the average duration was 36 days, resulting in an average award of compensation of \$64.74. The corresponding compensated cost for the period September 7, 1916, to December 31, 1918, was \$40.06, and for the calendar year 1919 was \$53.23. This increase in the average compensation was to be expected and is probably the result of two causes: First, the cumulative effect of an increased number of long-continuing disabilities; and second, the effect of increased rates of wages among the employees at the time the accidents occurred, thus resulting in a larger proportion of the cases at the maximum rate of compensation.

Comparing the temporary disabilities with the report of last year when we found 10.5 per cent of the total days lost were covered by leave during which the employee received his regular rate of pay, this year that experience amounts to 13.6 per cent. Considering only the compensated cases for last year, we find that 4.2 per cent of the time lost was covered by leave with pay, while this year we find that 5.6 per cent was covered by leave. Referring to the item of "no claim filed," in the noncompensated cases, we find that in the 1,229 there was an average of almost 14 days lost, or, by deducting the amount of leave used, there was an average loss of nearly 13 days. While the figures over the period prior to December 31, 1918, show that 16.7 per cent of the cases filed no claim, this percentage had fallen off to 6.8 per cent in 1919, but it rises to 7.8 per cent in 1920.

The total number of noncompensated temporary total disabilities which were tabulatable accidents included in this report was 6,239, or 39.8 per cent of all cases included in this report. Of these, 2,600 were covered by leave, 1,229 filed no claim, and 2,410 were eliminated on account of the three-day waiting period.



TABLE 3.—NUMBER OF INJURIES AND DURATION OF DISABILITY FOR TABULATABLE ACCIDENTS, AND AWARDS FOR COMPENSATED CASES FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920.

## TEMPORARY TOTAL DISABILITIES.

Department and bureau or establishment.	All cases.				Compensated cases.						Noncompensated cases.							
											Absence covered by leave.			No claims filed.			Three days and under.	
	Num-ber.	Days' dura- tion, includ- ing leave.	Days' leave.	Aver- age days' dura- tion.	Num-ber.	Days' dura- tion, includ- ing leave.	Days' leave.	Aver- age dura- tion.	Award.	Aver- age award.	Num-ber.	Days' dura- tion, includ- ing leave.	Days' leave.	Num-ber.	Days' dura- tion, includ- ing leave.	Days' leave.	Num-ber.	Days' dura- tion.
Agriculture:																		
Forest Service.....	213	6,220	780	29	130	5,432	321	42	\$10,673.74	\$82.11	35	458	449	22	281	10	26	49
Public Roads and Rural Engineering.....	34	621	63	18	21	513	16	24	942.27	44.87	4	44	44	6	58	3	3	6
All other.....	139	3,288	1,282	24	35	2,099	251	60	3,544.64	101.28	66	975	957	8	151	74	30	63
Total Agriculture.....	386	10,129	2,125	26	186	8,044	588	43	15,160.65	81.51	105	1,477	1,450	36	490	87	59	118
Commerce:																		
Census Bureau.....	27	811	78	30	19	754	24	40	1,474.38	77.60	6	54	54				2	3
Lighthouse Bureau.....	117	2,862	859	24	52	2,000	214	38	3,403.71	65.46	39	637	633	17	208	12	9	17
All other.....	54	1,042	455	19	9	624	95	69	985.95	109.55	27	360	360	4	27		14	31
Total Commerce.....	198	4,715	1,392	24	80	3,378	333	42	5,864.04	73.30	72	1,051	1,047	21	235	12	25	51
Interior:																		
Indian Affairs.....	70	2,297	220	33	51	1,769	83	35	3,050.18	59.81	5	135	135	14	393	2		
Reclamation Service.....	196	4,704	98	24	132	4,236	77	32	8,638.89	65.45	5	26	20	30	376	1	29	66
All other.....	107	2,908	978	27	46	2,005	226	44	3,401.15	73.94	38	713	711	7	154	41	16	36
Total Interior.....	373	9,909	1,296	27	229	8,010	386	35	15,090.22	65.90	48	874	866	51	923	44	45	102
Labor Department.....	49	611	369	12	8	169	21	21	235.70	29.46	20	336	332	5	73	16	16	33

Navy: Yards—																		
Boston.....	486	10,356	1,651	21	284	8,948	790	32	15,976.71	56.26	92	809	749	44	446	112	66	153
Bremerton.....	393	6,541	835	17	265	5,663	374	21	9,807.05	37.01	62	490	458	26	279	3	40	109
Charleston.....	90	1,739	173	19	55	1,442	94	26	2,225.14	40.46	6	68	62	20	208	17	9	21
Mare Island.....	287	10,461	1,266	36	238	9,895	755	42	18,363.08	77.16	45	542	507	3	21	4	1	3
New York.....	817	15,819	1,574	19	510	14,344	793	28	26,112.14	51.20	123	873	780	29	220	1	155	382
Norfolk.....	293	4,190	823	14	143	3,407	310	24	5,755.70	40.25	68	510	469	15	113	44	67	160
Philadelphia.....	539	12,787	1,396	24	368	11,842	786	32	21,801.21	59.24	76	646	597	19	118	13	76	181
Portsmouth.....	81	2,444	176	30	67	2,308	139	34	4,300.93	64.19	5	30	25	8	103	12	1	2
Washington.....	207	5,636	405	27	152	5,222	179	34	9,960.00	65.53	25	217	212	15	173	14	15	34
Total navy yards.....	3,193	69,973	8,299	22	2,082	63,071	4,220	30	114,301.96	54.90	502	4,185	3,859	179	1,681	220	430	1,036
Stations—																		
Alexandria.....	8	125	1	16	5	88	1	18	160.01	32.00				3	37			
Cavite.....	16	160	11	10	10	125	1	13	94.75	9.48	2	12	6	3	20	4	1	3
Guantanamo.....	11	153	4	13	4	71		18	116.38	29.10	1	4	4	6	78			
Hingham.....	5	71	11	17	3	61	6	20	102.22	34.07	1	8	5			1	2	
Key West.....	7	340	50	49	4	305	25	76	585.60	146.40	1	25	25	1	8	1	2	
New Orleans.....	16	377	62	24	12	321	12	27	579.68	48.31	3	40	40	1	16	10		
Newport.....	63	1,520	213	24	32	1,327	86	41	2,431.94	76.00	10	121	120	8	43	7	13	29
Olongapo.....	40	685	19	17	31	652	19	21	616.64	19.89				3	20		6	13
Pearl Harbor.....	23	350	60	15	15	305	22	20	507.96	33.86	5	38	38				3	7
Pensacola.....	21	424	33	20	11	348	5	32	650.70	59.15	3	26	25	4	43	3	3	
Portsmouth.....	3	152	15	51	3	152	15	51	282.23	94.08								
Other naval stations.....	73	1,956	84	27	55	1,698	36	31	3,058.93	55.62	6	45	44	12	213	4		
Ammunition depots.....	18	380	26	21	11	300	8	27	562.26	51.11	2	21	15	3	55	3	2	4
Annapolis Academy.....	39	692	108	18	18	566	29	31	977.52	54.31	9	77	74	4	29	5	8	20
Proving Grounds.....	49	1,062	72	22	35	942	30	27	1,746.39	49.90	4	38	38	5	71	4	5	11
Marine Corps.....	25	749	175	30	15	588	43	39	974.68	64.98	7	139	132	2	19		1	3
Ordnance (other than yards).....	98	2,156	217	22	47	1,857	59	40	3,654.05	77.75	19	167	158	13	89		19	43
Supplies and Accounts (other than yards).....	205	4,064	159	20	102	3,572	41	35	6,971.27	68.35	15	120	118	14	221		74	151
All other.....	25	2,475	190	99	12	2,378	126	198	4,603.43	383.62	6	61	57	3	29	7	4	7
Total other Navy.....	745	17,801	1,510	24	425	15,656	564	37	28,676.64	67.47	94	942	899	85	991	47	141	302
Total Navy Department.....	3,938	87,864	9,809	22	2,507	78,727	4,784	31	142,978.60	57.03	596	5,127	4,758	264	2,672	267	571	1,338
Government Printing Office.....	67	1,723	171	26	37	1,100	67	30	2,035.37	55.01	12	100	100	7	498	4	11	25
Post Office:																		
City Mail Service (indoor).....	770	13,541	1,483	18	451	11,859	692	26	20,950.84	46.45	83	814	776	53	514	15	183	354
City Mail Service (outdoor).....	1,990	46,879	2,367	24	1,399	44,044	1,404	31	82,950.00	59.29	139	1,013	933	106	1,066	30	346	756
Railway Mail Service.....	604	17,337	6,157	29	244	11,560	1,452	47	20,359.14	83.44	253	4,195	4,105	50	1,467	600	57	115
Rural Free Delivery.....	207	11,246	436	54	184	10,989	316	60	22,011.05	119.63	12	126	120	6	119		5	12
Aerial Service.....	21	389	177	19	5	272	68	54	389.24	77.85	12	109	109				4	8
Total Post Office.....	3,592	89,392	10,620	25	2,283	78,724	3,932	34	146,660.27	64.24	499	6,257	6,043	215	3,166	645	595	1,245

TABLE 3.—NUMBER OF INJURIES AND DURATION OF DISABILITY FOR TABULATABLE ACCIDENTS, AND AWARDS FOR COMPENSATED CASES FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

TEMPORARY TOTAL DISABILITIES—continued.

Department and bureau or establishment.	All cases.				Compensated cases.					Noncompensated cases.								
	Num-ber.	Days' duration, including leave.	Days' leave.	Average days' duration.	Num-ber.	Days' duration, including leave.	Days' leave.	Average duration.	Award.	Average award.	Absence covered by leave.		No claims filed.		Three days and under.			
											Num-ber.	Days' duration, including leave.	Days' leave.	Num-ber.	Days' duration, including leave.	Days' leave.	Num-ber.	Days' duration.
Treasury:																		
Custodian.....	61	1,692	568	28	23	1,209	110	53	\$1,514.59	\$65.85	30	460	457	1	6	1	7	17
Customs.....	76	1,938	1,360	26	14	841	307	60	965.67	68.98	45	1,057	1,053	3	16	14	24	24
Engraving and Printing.....	256	5,096	1,060	20	108	4,066	348	38	7,126.27	65.98	76	687	676	23	227	36	49	116
Internal Revenue.....	42	649	520	15	6	225	120	38	188.89	31.48	25	400	400	2	7	9	17	17
Public Health Service.....	49	1,360	433	28	19	798	25	42	1,524.90	80.26	16	404	396	4	137	12	10	21
War Risk.....	81	1,837	805	23	14	1,033	74	74	1,673.49	119.54	46	728	725	4	43	6	17	33
All other.....	139	2,630	1,471	19	17	1,243	239	73	2,039.71	119.98	81	1,204	1,192	6	110	40	35	73
Total Treasury.....	704	15,202	6,217	22	201	9,415	1,223	47	15,033.52	74.79	319	4,940	4,899	43	546	95	141	301
War:																		
Ordnance—Arsenals and armory—																		
Augusta.....	12	142	24	12	8	112	.....	14	188.47	23.56	3	24	24	1	6	.....	.....	.....
Benicia.....	21	401	10	19	15	378	4	25	724.77	48.32	1	6	6	3	14	2	2	3
Edgewood.....	81	2,407	139	30	47	2,276	94	48	4,500.91	95.76	4	46	43	4	37	2	26	48
Frankford.....	79	1,659	59	21	58	1,576	29	27	2,836.86	48.91	6	35	30	5	32	.....	10	16
Manila.....	1	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2
New York.....	7	503	.....	72	6	500	.....	83	1,050.25	175.04	.....	.....	.....	.....	.....	.....	1	3
Picatinny.....	67	963	40	14	43	893	7	21	1,636.01	38.05	6	34	33	.....	.....	.....	18	36
Raritan.....	95	3,287	131	35	78	3,175	107	41	6,185.57	79.30	9	46	22	4	61	2	4	5
Rock Island.....	591	9,112	652	15	339	8,251	306	24	14,976.63	44.18	56	379	343	23	120	3	173	362
San Antonio.....	11	121	.....	11	8	94	.....	12	131.18	16.40	.....	.....	.....	2	24	.....	1	3
Springfield Armory.....	140	2,353	45	17	105	2,226	27	21	4,032.99	38.41	4	20	18	4	42	.....	27	65
Tullytown.....	13	197	2	15	8	182	1	23	337.77	42.22	1	4	1	2	8	.....	2	3
Watertown.....	143	3,521	115	25	110	3,374	49	31	6,382.24	58.02	11	66	61	8	44	5	14	37
Watervliet.....	158	3,927	39	25	127	3,859	13	30	7,588.06	59.75	5	26	26	.....	.....	.....	26	42
Total arsenals and armory.....	1,419	28,595	1,256	20	952	26,896	637	28	50,571.71	53.12	106	686	607	56	388	12	305	625

Other Ordnance—																			
Supply depots.....	387	8,578	446	22	272	7,855	156	29	14,587.88	53.63	21	260	248	32	346	42	62	117	
Proving grounds.....	142	3,238	60	23	103	3,068	42	30	5,921.78	57.49	4	23	18	11	100	.....	24	47	
All other.....	181	11,404	665	63	126	10,479	480	83	20,282.48	160.97	13	186	182	29	716	3	13	23	
Total Ordnance.....	2,129	51,815	2,427	24	1,453	48,298	1,315	33	91,363.85	62.88	144	1,155	1,055	128	1,550	57	404	812	
Engineer.....	1,106	23,606	3,121	21	643	19,405	842	30	33,966.43	52.82	172	2,295	2,243	148	1,622	36	143	284	
Quartermaster—																			
Army Transport Service.....	154	7,448	819	48	112	6,914	506	62	12,878.67	114.99	17	314	310	16	201	3	9	19	
Supply depots.....	1,433	35,882	6,213	25	826	29,364	1,658	36	52,461.63	63.51	285	4,578	4,481	109	1,473	74	213	467	
All other.....	701	28,724	3,734	41	398	24,027	1,309	60	42,980.77	107.99	120	2,313	2,296	124	2,259	129	59	125	
Total Quartermaster.....	2,288	72,054	10,766	31	1,336	60,305	3,473	45	108,321.07	81.08	422	7,205	7,087	249	3,933	206	281	611	
Other War—																			
Aircraft Service.....	321	6,186	1,659	19	146	4,690	488	32	7,952.15	54.47	94	1,187	1,156	15	171	15	66	138	
Motor Transport Corps.....	64	2,391	408	37	49	2,134	196	44	3,610.54	73.68	7	215	212	3	32	.....	5	10	
Surgeon General.....	24	839	273	35	9	606	81	67	1,038.75	115.42	11	191	191	3	41	1	1	1	
All other.....	37	488	324	13	4	135	63	34	130.67	32.67	16	262	259	5	64	2	12	27	
Total other War.....	446	9,904	2,664	22	208	7,565	828	36	12,732.11	61.21	128	1,855	1,818	26	308	18	84	176	
Total War Department.....	5,969	157,379	18,978	26	3,640	135,573	6,458	37	246,383.46	67.69	866	12,510	12,203	551	7,413	317	912	1,883	
Miscellaneous:																			
National Home for Disabled Volunteer																			
Soldiers.....	43	1,464	199	34	29	1,319	61	45	1,157.01	39.90	12	139	138	.....	.....	.....	2	6	
U. S. Shipping Board.....	211	8,936	853	42	151	7,480	392	50	14,552.30	96.37	14	415	412	33	1,016	49	13	25	
District Government.....	85	2,348	246	28	59	2,103	81	36	3,988.65	67.60	9	164	164	3	49	1	14	32	
All other.....	48	1,282	759	27	14	775	270	55	997.61	71.26	28	493	489	.....	.....	.....	6	14	
Total miscellaneous.....	387	14,030	2,057	36	253	11,677	804	46	20,695.57	81.80	63	1,211	1,203	36	1,065	50	35	77	
Grand total.....	15,663	390,954	53,034	25	9,424	334,817	18,596	36	610,137.40	64.74	2,600	33,883	32,901	1,229	17,081	1,537	2,410	5,173	

The following table of permanent partial disabilities is of particular interest in that under the head of "dismemberments" there are shown 34 cases which were covered by leave, 7 where no claim was filed, and 8 where the duration of disability was under 3 days, and 4 with no time lost, making a total of 53 dismemberments for which no compensation was paid.

Under the heading of "loss of function" there were 5 cases covered by leave, 6 where no claim was filed, making a total of 11 cases of loss of function for which no compensation was paid, and a total of 64 cases of permanent partial disability where no compensation was paid. In most instances these cases were trivial disabilities. For information regarding the seriousness of the disabilities reference should be made to the nature of injury tables.



TABLE 4.—NUMBER OF PERMANENT PARTIAL DISABILITIES, DURATION OF DISABILITY, AND AWARDS FOR COMPENSATED CASES, FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920.

DISMEMBERMENTS ONLY.

Department and bureau or establishment.	All cases.		Compensated cases.				Noncompensated cases.						
	Number.	Average days' duration.	Number.	Average days' duration.	Award.	Average award.	Covered by leave.		No claim filed.		Under 3 days.		No time lost (number).
							Number.	Days' duration.	Number.	Days duration.	Number.	Days' duration.	
Agriculture:													
Forest Service.....	5	217	5	217	<sup>1</sup> \$7,521.07	\$1,504.21							
All other.....	2	45	1	56	115.56	115.56	1	34					
Total Agriculture.....	7	168	6	191	7,636.63	1,272.77	1	34					
Commerce:													
Lighthouse Bureau.....	5	48	2	85	355.58	177.79	3	70					
All other.....	1	19					1	19					
Total Commerce.....	6	43	2	85	355.58	177.79	4	89					
Interior:													
Indian Affairs.....	4	65	4	65	472.43	118.11							
Reclamation Service.....	4	162	3	215	1,264.45	421.48			1	4			
All other.....	2	92	1	176	<sup>2</sup> 3,061.37	3,061.37	1	7					
Total Interior.....	10	109	8	135	4,798.25	599.78	1	7	1	4			
Labor Department.....	1	3									1	3	
Navy:													
Yards—													
Boston.....	8	42	8	42	635.59	79.45							
Bremerton.....	7	46	7	46	<sup>3</sup> 7,417.60	1,059.66							
Charleston.....	1	28	1	28	40.00	40.00							
Mare Island.....	8	60	8	60	817.84	102.23							
New York.....	20	112	20	112	4,305.66	215.28							
Norfolk.....	9	58	8	63	993.14	124.14	1	21					
Philadelphia.....	17	65	16	69	2,216.92	138.56	1	8					
Portsmouth.....	3	34	3	34	195.57	65.19							
Washington.....	13	54	11	63	1,399.04	127.19	1	10	1	8			
Total navy yards.....	86	68	82	71	18,021.36	219.77	3	39	1	8			

Amount of award, including lump-sum settlement, as follows:

<sup>1</sup> Includes one case, 40 per cent disability, \$7,038.82.

<sup>2</sup> Includes one case, 20 per cent disability, \$3,061.37.

<sup>3</sup> Includes one case, 50 per cent disability, \$6,879.50.

TABLE 4.—NUMBER OF PERMANENT PARTIAL DISABILITIES, DURATION OF DISABILITY, AND AWARDS FOR COMPENSATED CASES, FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

DISMEMBERMENTS ONLY—continued.

Department and bureau or establishment.	All cases.		Compensated cases.				Noncompensated cases.							
	Number.	Average days' duration.	Number.	Average days' duration.	Award.	Average award.	Covered by leave.		No claim filed.		Under 3 days.		No time lost (number).	
							Number.	Days' duration.	Number.	Days' duration.	Number.	Days' duration.		
Navy—Continued.														
Stations—														
Alexandria.....	1	41	1	41	\$80.00	\$80.00								
Cavite.....	1	74	1	74	77.78	77.78								
Key West.....	2	28	2	28	97.78	48.89								
Newport.....	2	197	2	196	697.54	348.77								
Olongapo.....	2	47	2	47	69.98	34.99								
Pensacola.....	1	47	1	47	94.03	94.03								
Proving Grounds.....	2	49	2	49	196.27	98.14								
Marine Corps.....	4	72	2	124	397.80	198.90	2	39						
Ordnance (other than yards).....	1	10	1	10	13.33	13.33								
Supplies and Accounts (other than yards).....	1	366	1	366	793.38	793.38								
Total other Navy.....	17	86	15	95	2,517.89	167.86	2	39						
Total Navy Department.....	103	71	97	75	20,539.25	211.74	5	78	1	8				
Government Printing Office.....	3	20	1	49	95.56	95.56	2	10						
Post Office:														
City Mail Service (indoor).....	7	54	5	70	643.70	128.74	1	30					1	
City Mail Service (outdoor).....	5	192	5	192	2,033.50	406.70								
Railway Mail Service.....	3	95	3	95	534.82	178.27								
Rural Free Delivery.....	3	51	3	51	306.68	102.23								
Total Post Office.....	18	99	16	109	3,518.70	219.92	1	30					1	
Treasury:														
Custodian.....	1	39					1	39						
Customs.....	1	113	1	113	84.44	84.44								
Engraving and Printing.....	8	85	6	110	1,274.59	212.43	1	19			1	3		
Public Health.....	2	48	1	66	96.29	96.29			1	30				
All other.....	6	27	2	49	162.78	81.39	3	62			1	3		
Total Treasury.....	18	61	10	94	1,618.10	161.81	5	120	1	30	2	6		

War:														
Ordnance—Arsenals and armory—														
Edgewood.....	1	63	1	63	128.90	128.90								
Frankford.....	5	70	5	70	727.23	145.45								
Raritan.....	1	105	1	105	186.67	186.67								
Rock Island.....	5	56	5	56	553.85	110.77								
Springfield Armory.....	1	31	1	31	57.60	57.60								
Watertown.....	5	204	5	204	2,182.36	436.47								
Watervliet.....	4	57	4	57	475.59	118.90								
Total arsenals and armory.....	22	94	22	94	4,312.20	196.01								
Other Ordnance—														
Supply depots.....	11	72	11	72	1,574.35	118.90								
Proving grounds.....	1	1									1	1		
All other.....	12	105	10	123	2,182.84	218.28			1	27				1
Total Ordnance.....	46	90	43	95	8,069.39	187.66			1	27		1	1	1
Engineer.....	31	27	25	44	4,360.02	144.24	3	52				1	3	2
Quartermaster—														
Army Transport Service.....	14	164	11	197	15,927.73	1,447.98	2	116	1	12				
Supply depots.....	21	131	17	160	8,611.89	506.53	2	35				2	4	
All other.....	25	177	21	202	27,314.40	1,300.69	4	179						
Total Quartermaster.....	60	158	49	186	51,854.02	1,058.25	8	330	1	12		2	4	
Other War—														
Aircraft Service.....	7	54	6	62	742.44	123.74	1	6						
Motor Transport Corps.....	5	73	4	89	615.60	153.90	1	6						
All other.....	1	104	1	104	217.79	217.79								
Total other War.....	13	65	11	76	1,575.83	143.26	2	12						
Total War Department.....	150	104	128	118	65,105.26	508.63	13	394	2	39		4	8	3
Miscellaneous:														
National Home for Disabled Volun-														
teer Soldiers.....	4	158	3	200	577.23	192.41			1	33				
United States Shipping Board.....	8	51	4	95	735.33	183.83	2	27				1	1	
District government.....	3	68	3	68	416.24	138.75								
Alaska Road Commission.....	1	88	1	88	53.34	53.34								
Total miscellaneous.....	16	83	11	116	1,782.14	162.01	2	27	2	33		1	1	
Grand total.....	332	89	279	103	105,449.47	377.96	24	789	7	114		8	15	4

Amount of award, including lump-sum settlement, as follows:

<sup>4</sup> Includes one case, 25 per cent disability, \$2,083.49.

<sup>5</sup> Includes one case, 40 per cent disability, \$5,853.21; includes one case, 6 per cent disability, \$1,293.92; includes one case, 50 per cent disability, \$7,213.23.

<sup>6</sup> Includes one case, 30 per cent disability, \$3,993.23.

<sup>7</sup> Includes one case, 30 per cent disability, \$5,321.42; includes one case, 40 per cent disability, \$5,124.45; includes one case, 40 per cent disability, \$4,213.08; includes one case, 45 per cent disability, \$3,733.81; includes one case, 10 per cent disability, \$3,336.96; includes one case, 25 per cent disability, \$2,840.10.

TABLE 4.—NUMBER OF PERMANENT PARTIAL DISABILITIES, DURATION OF DISABILITY, AND AWARDS FOR COMPENSATED CASES, FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

## LOSS OF FUNCTION ONLY.

Department and bureau or establishment.	All cases.		Compensated cases.				Noncompensated cases.						
	Number.	Average days' duration.	Number.	Average days' duration.	Award.	Average award.	Covered by leave.		No claim filed.		Under 3 days.		No time lost (number).
							Number.	Days' duration.	Number.	Days' duration.	Number.	Days' duration.	
Agriculture:													
Forest Service.....	4	541	4	541	<sup>8</sup> \$6, 416. 02	\$1, 604. 01							
Public Roads and Rural Engineering.....	2	85	2	85	355. 59	177. 80							
All other.....	2	401	2	401	<sup>9</sup> 3, 721. 78	1, 860. 89							
Total Agriculture.....	8	392	8	392	10, 493. 39	1, 311. 67							
Commerce:													
Lighthouse Bureau.....	1	160		160	344. 45	344. 45							
Interior:													
Indian Affairs.....	2	90	1	180	384. 83	384. 83			1				
Reclamation Service.....	2	333	2	333	1, 267. 15	633. 58							
All other.....	2	162	2	162	553. 26	276. 63							
Total Interior.....	6	195	5	234	2, 205. 24	441. 05			1				
Labor Department.....	1	10	1	10	11. 11	11. 11							
Navy:													
Yards—													
Boston.....	2	95	2	95	395. 59	197. 80							
Bremerton.....	2	40	2	40	106. 67	53. 34							
Charleston.....	2	404	2	404	1, 562. 37	781. 19							
Mare Island.....	5	238	5	238	2, 280. 13	456. 03							
New York.....	4	201	4	201	1, 556. 88	389. 22							
Norfolk.....	2	50	2	50	195. 57	97. 79							
Philadelphia.....	7	363	7	363	<sup>10</sup> 7, 986. 99	1, 141. 00							
Portsmouth.....	1	152	1	152	<sup>11</sup> 797. 24	797. 24							
Washington.....	1	628	1	628	1, 366. 86	1, 366. 86							
Total navy yards.....	26	250	26	250	16, 248. 30	624. 93							

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<sup>8</sup> Includes 1 case, 20 per cent disability, \$3,758.60.  
<sup>9</sup> Includes 1 case, 25 per cent disability, \$3,419.54.  
<sup>10</sup> Includes 1 case, 35 per cent disability, \$4,226.94.  
<sup>11</sup> Includes 1 case, 5 per cent disability, \$797.24.  
<sup>12</sup> Includes 1 case, 60 per cent disability, \$6,122.62.  
<sup>13</sup> Includes 1 case, 15 per cent disability, \$3,381.91.



TABLE 4.—NUMBER OF PERMANENT PARTIAL DISABILITIES, DURATION OF DISABILITY, AND AWARDS FOR COMPENSATED CASES, FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

## LOSS OF FUNCTION ONLY—continued.

Department and bureau or establishment.	All cases.		Compensated cases.				Noncompensated cases.						
	Number.	Average days' duration.	Number.	Average days' duration.	Award.	Average award.	Covered by leave.		No claim filed.		Under 3 days.		No time lost (number).
							Number.	Days' duration.	Number.	Days' duration.	Number.	Days' duration.	
War—Continued.													
Other Ordnance—													
Supply depots.....	3	440	3	440	\$2, 672. 52	\$890. 84							
Proving Grounds.....	3	327	3	327	<sup>14</sup> 5, 025. 19	1, 675. 06							
All other.....	16	293	16	293	<sup>15</sup> 23, 129. 46	1, 445. 59							
Total Ordnance.....	26	302	26	302	34, 804. 82	1, 338. 65							
Engineer.....	20	333	20	333	<sup>16</sup> 40, 623. 67	2, 031. 18							
Quartermaster—													
Army Transport Service.....	6	284	6	284	<sup>17</sup> 12, 667. 98	2, 111. 33							
Supply depots.....	16	182	15	190	<sup>18</sup> 7, 304. 91	486. 99	1	58					
All other.....	18	326	16	360	<sup>19</sup> 25, 973. 37	1, 623. 34			2	104			
Total Quartermaster.....	40	262	37	279	45, 946. 26	1, 241. 79	1	58	2	104			
Other War—													
Aircraft Service.....	2	66	1	74	24. 00	24. 00	1	58					
Motor Transport Corps.....	1	225	1	225	488. 92	488. 92							
Surgeon General.....	1	209	1	209	<sup>20</sup> 7, 543. 94	7, 543. 94							
All other.....	1	353	1	353	764. 49	764. 49							
Total other War.....	5	184	4	215	8, 821. 35	2, 205. 34	1	58					
Total War Department.....	91	285	87	295	130, 196. 10	1, 496. 51	2	116	2	104			

## Miscellaneous:

National Home for Disabled Volunteer Soldiers.....	3	177	3	177	444.32	148.11	-----	-----	-----	-----	-----	-----
U. S. Shipping Board.....	9	168	7	187	<sup>21</sup> 8,941.11	1,277.30	-----	-----	2	199	-----	-----
District Government.....	2	37	2	37	146.67	73.34	-----	-----	-----	-----	-----	-----
All other.....	1	180	1	180	104.45	104.45	-----	-----	-----	-----	-----	-----
Total miscellaneous.....	15	153	13	161	9,636.55	741.27	-----	-----	2	199	-----	-----
Grand total.....	203	261	192	273	199,386.32	1,038.47	5	229	6	303	-----	-----

## Amount of award, including lump-sum settlement, as follows:

<sup>14</sup> Includes 1 case, 25 per cent disability, \$4,485.12.<sup>15</sup> Includes 1 case, 5 per cent disability, \$782.25; includes 1 case, 5 per cent disability, \$1,004.01; includes 1 case, 25 per cent disability, \$4,203.64; includes 1 case, 20 per cent disability, \$3,946.42; includes 1 case, 50 per cent disability, \$7,813.86.<sup>16</sup> Includes 1 case, 2.8 per cent disability, \$2,008.98; includes 1 case, 25 per cent disability, \$2,927.88; includes 1 case, 33½ per cent disability, \$5,740.63; includes 1 case, 25 per cent disability, \$4,732.11; includes 1 case, 40 per cent disability, \$5,492.59; includes 1 case, 33½ per cent disability, \$5,822.17; includes 1 case, 25 per cent disability, \$5,037.71; includes 1 case, 35 per cent disability, \$4,747.49.<sup>17</sup> Includes 1 case, 25 per cent disability, \$4,044.72; includes 1 case, 20 per cent disability, \$3,561.27; includes 1 case, 10 per cent disability, \$2,359.08; includes 1 case, 7½ per cent disability, \$2,116.22.<sup>18</sup> Includes 1 case, 20 per cent disability, \$2,396.78; includes 1 case, 3 per cent disability, \$829.66.<sup>19</sup> Includes 1 case, 20 per cent disability, \$3,955.92; includes 1 case, 30 per cent disability, \$5,198.82; includes 1 case, 40 per cent disability, \$5,566.97; includes 1 case, 15 per cent disability, \$1,728.12.<sup>20</sup> Includes 1 case, 50 per cent disability, \$7,543.94.<sup>21</sup> Includes 1 case, 50 per cent disability, \$476.46; includes 1 case, 40 per cent disability, \$7,340.54.

## COST OF MEDICAL TREATMENT.

Table 5 shows the medical payments from the funds of the Compensation Commission for each department, bureau, and important establishment. It is to be noted that this does not mean the cost of all medical treatment furnished under the Compensation Act, since a large part of such treatment, as required by the law, is furnished by Government medical officers and in Government hospitals where the expense is borne by that department of the Government which supports the medical service in question. This includes service by surgeons of the Public Health Service and in the many Public Health Service hospitals. It includes also the treatment furnished in the navy yard dispensaries and in naval hospitals and in army dispensaries and hospitals.

Out of a total of 24,465 cases reported in the last annual report medical payments were made, from the funds of the commission, in only 9,553 cases, or 39 per cent of the total number. This report shows that out of a total of 20,736 cases medical payments were made from the funds of the Compensation Commission in 9,504 cases, or 45.8 per cent of the total number.

The average medical expense last year per case for fatal and non-fatal injuries upon which medical payments were made was \$23.95, and in nonfatal cases only the average was \$22.81. For this year the expenses are somewhat higher in that the average has been raised to \$32.68 in all cases and \$31.47 in nonfatal cases. It must be borne in mind that these figures of average costs are significant only in a general way, as in a considerable number of cases the paid medical and hospital treatment was supplemented by Government medical and hospital services, for which no payment was made from the funds of the commission. Medical expenditures were required on 101 fatal cases out of a total number of 475 included in this report, or about 21 per cent of all death cases required medical expenditure, amounting to \$144.60 per case.

The amount of medical payments from the compensation fund, as shown in this table, namely, \$310,546, does not, as already explained, represent the cost of Government medical and hospital service under the Compensation Act, nor does it measure the medical benefits received by injured employees. While the cases for which no medical expenditures are shown were on the average of less severity than those with medical payments, it is probable that the total cost to the Government of all medical and hospital service in these cases was in excess of a million dollars.

Under the Federal Compensation Act medical and hospital treatment is furnished without limit if application is made to the Compensation Commission, the only test being that it is reasonably required on account of the injury.

Table No. 5 is immediately followed by a summary Table No. 6 which gives the complete distribution of medical payments, as to nature of disability and kind of awards for the period September 7, 1916, to December 31, 1920. This is a revised statement and includes payments made in the previous annual reports and additional medical payments which were made upon cases included in said reports. This information is taken from payments made up to June 30, 1921. In addition to the medical payments shown on Table No. 7, amounting to \$327,316, there is being carried over, on cases that are incomplete and are therefore not included in these tables, medical payments amounting to over \$325,000.

Following this summary of over 4 years' experience is the table showing payments upon cases closed during 1920, including all payments for medical treatment made upon these cases up to June 30, 1921.

It should be borne in mind that no comparison can be made between the medical costs under the Federal Compensation Act and those under State compensation laws. The expenditures here shown for medical and hospital treatment are necessarily incomplete, inasmuch as a very large number of cases receive treatment in Army and Navy dispensaries, and in Public Health Service hospitals. To a small extent also cases have been treated in Army and Navy hospitals. The amount of this service is a charge against appropriations of other departments of the Government and is largely in excess of that which is paid for out of the compensation fund.

TABLE 5.—MEDICAL PAYMENTS FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920.

Department and bureau or establishment.	Number of all cases including no time lost.	Number of cases with medical payments.	Total amount of payments	Deaths.		Nonfatal cases—Amount of payments.									Payments not otherwise classified.
				Number.	Amount.	Ambulance.	Appliances.	Hospital.	Nurse.	Physician.	Supplies.	Transportation.	X-ray.	Amount.	
<b>Agriculture:</b>															
Forest Service.....	290	233	\$16,604.59	3	\$611.97	\$10.50	\$60.25	\$4,196.77	\$358.90	\$8,850.58	\$138.44	\$877.44	\$319.50	\$1,170.24	
Public Roads and Rural Engineering..	65	47	1,496.74	1	55.00	5.00	13.30	648.56	.....	600.35	.....	80.03	92.00	2.50	
All other.....	214	130	6,455.65	2	125.32	10.00	60.00	1,998.20	.....	2,966.15	11.50	209.42	312.75	762.31	
Total Agriculture.....	569	410	24,556.98	6	792.29	25.50	133.55	6,843.53	358.90	12,417.08	149.94	1,176.89	724.25	1,935.05	
<b>Commerce:</b>															
Census Bureau.....	37	18	560.40	.....	.....	.....	.....	115.50	.....	282.50	.....	25.15	60.00	77.25	
Lighthouse Bureau.....	171	46	1,398.72	2	40.00	.....	.....	354.50	.....	685.00	3.00	96.96	39.50	179.76	
All other.....	67	25	2,034.50	1	722.88	10.00	26.00	297.89	.....	525.25	15.70	80.78	103.00	253.00	
Total Commerce.....	275	89	3,993.62	3	762.88	10.00	26.00	767.89	.....	1,492.75	18.70	202.89	202.50	510.01	
<b>Interior:</b>															
Indian Affairs.....	88	51	3,039.28	1	311.00	18.90	.....	1,091.15	50.00	647.50	.....	139.44	22.50	758.79	
Reclamation Service.....	302	247	13,563.54	3	45.00	24.00	36.25	6,441.68	.....	5,889.80	260.01	257.40	445.45	163.95	
All other.....	145	80	4,488.01	1	846.00	.....	12.75	897.53	29.00	1,914.90	9.85	163.57	267.50	346.91	
Total Interior.....	535	378	21,090.83	5	1,202.00	42.90	49.00	8,430.36	79.00	8,452.20	269.86	560.41	735.45	1,269.65	
<b>Labor.....</b>	95	27	947.03	.....	.....	3.00	.....	237.50	.....	267.00	.....	3.61	97.00	338.92	
<b>Navy:</b>															
<b>Yards—</b>															
Boston.....	525	71	1,057.50	1	73.00	.....	56.00	328.14	.....	532.50	.....	37.56	11.00	19.30	
Bremerton.....	410	12	564.19	.....	.....	.....	.....	57.00	.....	405.00	.....	16.19	23.00	63.00	
Charleston.....	102	8	354.75	.....	.....	.....	.....	96.00	.....	148.00	.....	.....	20.00	90.75	
Mare Island.....	308	11	423.99	.....	.....	.....	41.00	275.50	.....	10.00	.....	45.49	5.00	47.00	
New York.....	857	154	9,183.54	3	635.85	6.00	460.44	3,442.65	.....	3,795.30	3.20	98.65	312.80	428.65	
Norfolk.....	310	24	609.78	.....	.....	.....	185.00	.....	.....	203.00	.....	179.78	.....	42.00	
Philadelphia.....	578	144	6,311.00	3	289.50	10.00	325.00	4,205.50	145.00	622.50	.....	3.00	653.50	57.00	
Portsmouth.....	86	11	229.75	.....	.....	.....	.....	.....	.....	99.00	.....	33.44	.....	97.31	
Washington.....	230	117	5,635.93	.....	.....	.....	557.25	3,755.75	.....	216.00	65.94	99.14	868.50	73.35	
Total yards.....	3,406	552	24,370.43	7	998.35	16.00	1,624.69	12,160.54	145.00	6,031.30	60.14	513.25	1,893.80	918.36	





TABLE 5.—MEDICAL PAYMENTS FOR EACH DEPARTMENT AND IMPORTANT BUREAU OR ESTABLISHMENT, CALENDAR YEAR 1920—Continued.

Department and bureau or establishment.	Number of all cases including no time lost.	Number of cases with medical payments.	Total amount of payments	Deaths.		Nonfatal cases—Amount of payments.								Payments not otherwise classified.
				Number.	Amount.	Ambulance.	Appliances.	Hospital.	Nurse.	Physician.	Supplies.	Transportation.	X-ray.	Amount.
War:														
Arsenals and armory—														
Augusta.....	12	1	\$1.12									\$1.12		
Benecia.....	24	4	21.03							\$3.00		4.08		\$13.95
Edgewood.....	147	124	1,331.81	4	\$416.11			\$790.52		87.00		29.56		8.62
Frankford.....	98	52	1,877.90				\$45.00	572.75		1,118.13		19.60	\$76.00	46.42
New York.....	8	3	90.77					77.21		5.00		8.56		
Piscataway.....	71	34	718.50				15.00	184.10		468.00		2.00	41.50	7.90
Rock Island.....	710	232	11,364.25				5.30	2,962.90	\$36.00	7,433.80	\$0.85	108.25	619.35	197.80
San Antonio.....	11	1	16.00							15.00		1.00		
Springfield Armory.....	500	315	4,990.47	2	58.00		105.30	905.12		3,640.50	1.25	27.80	227.00	25.50
Watertown.....	192	149	3,736.41				21.10	1,827.04		1,258.00		251.13	298.99	80.15
Watervliet.....	220	163	6,357.91	2	61.50		226.04	2,482.61		3,203.50		31.26	353.00	
Manila.....	2													
Raritan.....	104													
Tullytown.....	13													
Total arsenals and armory..	2,112	1,078	30,506.17	8	535.61		417.74	9,802.25	36.00	17,231.93	2.10	484.36	1,615.84	380.34
Other ordnance—														
Supply depots.....	635	419	8,897.97	5	412.08	\$20.00	109.00	3,216.60		3,742.50	44.55	311.01	768.50	273.73
Proving grounds.....	270	135	3,953.06	1	60.88		46.50	3,013.13		575.00		65.55	128.00	64.00
All other ordnance.....	305	195	8,650.52	1	4.00	3.00	278.95	3,241.51	214.00	3,965.20	37.30	497.59	328.50	80.47
Total other ordnance.....	1,210	749	21,501.55	7	476.96	23.00	434.45	9,471.24	214.00	8,282.70	81.85	874.15	1,225.00	418.20
Total all ordnance.....	3,322	1,827	52,007.72	15	1,012.57	23.00	852.19	19,273.49	250.00	25,514.63	83.95	1,358.51	2,840.84	798.54
Engineer.....	1,535	799	27,043.62	13	1,573.95	99.50	211.65	8,392.52		13,445.27	121.05	557.05	1,545.55	1,097.08
Quartermaster—														
Army Transport Service.....	249	57	2,237.67	1	201.85		231.01	805.86		719.50	3.25	31.20	188.00	57.00
Supply depots.....	1,776	1,014	15,310.31	6	500.48		335.95	6,145.60	46.00	5,897.50	76.28	241.45	1,163.75	886.30
All other.....	873	513	20,161.32	5	967.25	7.00	320.00	12,852.91	177.00	3,602.25	233.38	771.81	354.95	874.77
Total Quartermaster.....	2,898	1,584	37,709.30	12	1,669.58	24.00	886.96	19,804.37	223.00	10,219.25	312.91	1,044.46	1,706.70	1,818.07

Other War—														
Aircraft Service.....	422	240	8,790.06	1	105.50	3.00	15.50	2,344.57	.....	5,417.25	16.05	54.94	546.00	287.25
Motor Transport Corps.....	403	362	1,882.68				102.40	1,261.05	.....	176.00		158.23	39.50	145.50
Surgeon General.....	28	14	631.64	1	44.20			271.53	.....	240.00		4.16	25.00	46.75
All other.....	55	24	1,247.14	1	396.70		69.50	329.24	.....	312.00		8.20	106.00	25.50
Total other War.....	908	640	12,551.52	3	546.40	3.00	187.40	4,206.39	.....	6,145.25	16.05	225.53	716.50	505.00
Total War Department.....	8,663	4,850	129,312.16	43	4,802.50	149.50	2,138.20	51,676.77	473.00	55,324.40	533.96	3,185.55	6,809.59	4,218.69
Government Printing Office.....	72	22	1,062.96				31.50	321.25	.....	323.00		31.81	138.00	217.40
Miscellaneous:														
National Home for Disabled Vol-														
unteer Soldiers.....	62	2	32.40						.....	4.00			28.40	.....
U. S. Shipping Board.....	425	158	6,684.07	4	1,413.43	22.00	257.50	1,570.85	.....	2,786.10	12.20	27.29	385.50	209.20
District Government.....	129	3	76.50			3.00		33.50	.....	40.00				.....
All other.....	64	40	2,959.91	1	49.25	5.00	13.50	647.25	193.00	811.50	.75	36.65	183.00	1,020.01
Total miscellaneous.....	680	203	9,752.88	5	1,462.68	30.00	271.00	2,251.60	193.00	3,641.60	12.95	63.94	596.90	1,229.21
Grand total.....	20,736	9,504	310,546.83	101	14,604.57	472.90	5,623.29	106,124.80	2,275.65	132,608.21	1,546.69	8,162.44	18,379.39	20,748.89

TABLE No. 6.—MEDICAL PAYMENTS ON ALL CASES INCLUDED IN ANNUAL REPORTS FROM SEPT. 7, 1916, TO DEC. 31, 1920.

	Number of all cases, including no time lost.	Number of cases with medical payments.	Total amount of payments.	Amount of payments.								Amount not otherwise classified.
				Ambulance.	Appliances.	Hospital.	Nurse.	Physician.	Supplies.	Transportation.	X-ray.	
Compensated cases:												
Temporary total disability.....	36,496	15,227	\$494,240.22	\$1,051.95	\$2,540.93	\$174,151.66	\$2,901.42	\$256,178.32	\$3,685.30	\$12,169.66	\$22,429.95	\$19,131.03
Permanent partial disability.....	1,815	1,077	103,563.23	138.00	5,294.00	37,267.42	1,130.40	47,868.21	650.84	4,386.52	2,121.30	4,706.54
Total.....	38,311	16,304	597,803.45	1,189.95	7,834.93	211,419.08	4,031.82	304,046.53	4,336.14	16,556.18	24,551.25	23,837.57
Noncompensated cases:												
Covered by leave—												
Temporary total disability.....	7,698	2,039	51,089.69	160.00	374.20	12,822.90	320.00	27,807.64	339.62	1,197.22	3,630.80	4,437.31
Permanent partial disability.....	122	56	3,964.84	3.00	205.40	796.51	101.50	2,611.20	9.66	66.42	97.00	74.15
Total covered by leave.....	7,820	2,095	55,054.53	163.00	579.60	13,619.41	421.50	30,418.84	349.28	1,263.64	3,727.80	4,511.46
No claim filed—												
Temporary total disability.....	7,174	1,018	13,064.54	46.00	14.20	4,790.03	40.50	6,709.03	136.10	155.26	915.75	257.67
Permanent partial disability.....	52	9	71.91	.....	.....	18.16	.....	47.00	1.75	.....	5.00	.....
Total no claim filed.....	7,226	1,027	13,136.45	46.00	14.20	4,808.19	40.50	6,756.03	137.85	155.26	920.75	257.67
No time lost.....	14,431	6,605	41,666.56	28.25	353.55	6,981.62	78.00	29,010.11	286.92	469.43	3,083.45	1,375.23
Under 3 days—												
Temporary total disability.....	10,681	1,958	14,524.85	73.00	118.60	2,860.51	12.50	9,086.00	131.63	237.30	1,699.75	305.56
Permanent partial disability.....	33	11	195.45	.....	.....	22.00	.....	173.45	.....	.....	.....	.....
Total under 3 days.....	10,714	1,969	14,720.30	73.00	118.60	2,882.51	12.50	9,259.45	131.63	237.30	1,699.75	305.56
Total noncompensated cases.....	40,191	11,696	124,577.84	310.25	1,065.95	28,291.73	552.50	75,444.43	905.68	2,125.63	9,431.75	6,449.92
Fatal.....	1,675	336	40,054.82	175.63	6.75	7,017.57	1,403.12	18,991.51	226.92	1,499.89	490.50	10,242.93
Permanent total disability.....	81	61	28,255.65	25.00	978.71	11,966.84	5,398.17	7,065.55	136.12	1,867.23	152.50	665.53
All other medical payments.....	.....	1,216	35,098.61	85.00	615.05	15,001.60	455.57	13,315.95	536.83	1,022.40	1,707.64	2,358.57
Grand total.....	80,258	29,613	825,790.37	1,785.83	10,501.39	273,696.82	11,841.18	418,863.97	6,141.69	23,071.33	36,333.64	43,554.52

<sup>1</sup> Four permanent partial disability cases included.

NOTE.—The above is the revised medical statement covering period from September, 1916, to December 31, 1920. All medical payments made upon cases included in reports to this date are included in this table up to June 30, 1921.

TABLE 7.—SUMMARY OF MEDICAL PAYMENTS ON ALL CASES, CALENDAR YEAR 1920.

	Number of all cases, including no time lost.	Number of cases with medical payments.	Total amount of payments.	Amount of payments.								Payments not otherwise classified.
				Ambulance.	Appliances.	Hospital.	Nurse.	Physician.	Supplies.	Transportation.	X-ray.	
Compensated cases:												
Temporary total disability.....	9,424	4,353	\$194,461.34	\$345.50	\$1,400.41	\$73,828.72	\$1,538.75	\$86,502.69	\$991.87	\$4,948.26	\$11,396.40	\$13,508.74
Permanent partial disability.....	471	277	44,179.63	53.00	3,713.48	18,694.15	547.90	14,661.22	299.86	2,202.65	1,049.25	2,958.12
Total compensated cases.....	9,895	4,630	238,640.97	398.50	5,113.89	92,522.87	2,086.65	101,163.91	1,291.73	7,150.91	12,445.65	16,466.86
Noncompensated cases:												
Covered by leave—												
Temporary total disability.....	2,600	866	21,634.69	28.00	211.75	5,980.81	50.00	9,666.35	77.24	383.49	2,328.65	2,908.40
Permanent partial disability.....	39	20	1,256.76	.....	48.00	419.76	.....	660.00	3.46	26.39	51.00	48.15
Total covered by leave.....	2,639	886	22,891.45	28.00	259.75	6,400.57	50.00	10,326.35	80.70	409.88	2,379.65	2,956.55
No claim filed—												
Temporary total disability.....	1,229	301	3,834.67	15.00	8.50	1,569.69	40.50	1,646.00	41.96	54.92	397.00	61.10
Permanent partial disability.....	13	2	24.48	.....	.....	.73	.....	22.00	1.75	.....	.....	.....
Total no claim filed.....	1,242	303	3,859.15	15.00	8.50	1,570.42	40.50	1,668.00	43.71	54.92	397.00	61.10
No time lost.....	14,034	2,366	19,221.73	2.00	165.55	2,460.24	74.00	13,531.35	68.40	186.71	1,737.45	996.03
Under 3 days—												
Temporary total disability.....	2,410	727	5,895.02	3.00	79.50	830.93	4.50	3,650.40	52.85	109.09	974.25	189.90
Permanent partial disability.....	8	2	15.50	.....	.....	15.50	.....	.....	.....	.....	.....	.....
Total under 3 days.....	2,418	729	5,910.52	3.00	79.50	846.43	4.50	3,650.40	52.85	109.09	974.25	189.90
Total noncompensated cases.....	10,333	4,284	51,882.85	48.00	513.30	11,277.66	169.00	29,176.10	245.66	761.20	5,488.35	4,203.58
Fatal.....	475	101	14,604.57	27.00	4.75	2,584.22	59.25	5,439.65	22.10	228.19	242.50	5,996.91
Permanent total disability.....	33	24	16,498.03	15.50	828.21	6,486.79	4,298.11	3,529.85	42.57	561.77	101.50	633.73
All other medical payments.....	.....	489	5,690.14	7.50	15.00	2,324.02	20.00	2,361.20	18.95	249.33	467.39	226.75
Grand total.....	20,736	9,528	327,316.56	496.50	6,475.15	115,195.56	6,633.01	141,670.71	1,621.01	8,951.40	18,745.39	27,527.83

<sup>1</sup> Four permanent partial disability cases included.<sup>2</sup> Included in this report are medical payments on permanent total disability cases which have not been considered as closed cases, and, in addition to this, there are \$271.70 upon disapproved cases not included in the medical report in establishment order.



## DURATION OF DISABILITY AND AWARDS FOR PERMANENT PARTIAL DISABILITIES.

Table 8 shows the duration, the amount of compensation paid, and the wage loss in permanent partial disabilities according to the location of injury. The table is in two parts, showing separately dismemberments and loss of function of the member. The table also distinguishes cases in which infection occurred.

Some opportunity of judging in regard to adequacy of compensation in permanent partial disabilities is here afforded. For instance, it will be noted that for the loss of an eye the average award was \$158.59; for the loss of a left hand, \$530.94. Some of the principal awards are largely affected by the payment of a lump sum; while the Compensation Act makes no provision for specific awards in cases of permanent partial disability, the loss of earning capacity may be determined by the commission and a settlement made upon that basis.

In order that the adequacy of the provisions of the act may be fairly considered it is necessary to briefly summarize the provisions of the law as applied to permanent partial disabilities.

The Federal compensation act provides for compensation in the case of permanent partial disabilities—

(1) During total disability compensation at the rate of two-thirds of the wage at the time of injury, with a maximum compensation of \$66.67 a month.

(2) During partial disability compensation at the rate of two-thirds of the difference between the monthly pay at the time of the injury and the monthly wage-earning capacity after the beginning of partial disability. To assist in determining earning capacity the commission may require the employee to make affidavit from time to time as to his earnings.

(3) If a partially disabled employee refuses to seek suitable work, or refuses or neglects to work when suitable work is offered, no compensation can be paid during such period of refusal.

(4) The wage at the time of injury in all cases controls the rate of compensation, except for minors or persons employed in a learner's capacity, for whom an increase may be assumed from time to time according to the probable increase in wage-earning capacity. Also, in the case of aged claimants a decrease may be assumed after a time, based on probable decrease in wage-earning capacity.

The basis of the compensation under this law in the case of permanently partially disabled employees is, then, decrease in earning capacity as compared with wages at the time of injury. In practice the permanently disabled employee is considered entitled to monthly compensation so long as there is loss of wages due to injury. If there

is no wage loss, no compensation is paid even though there be a serious permanent disability, such as the loss of a hand, a foot, or an eye. The mere physical result of the injury is not compensated, since there is no provision for the payment of a fixed amount or for fixed periods in case of dismemberment or other permanent disability.

Earning capacity has been construed by the commission variously according to the circumstances of the individual case. As a general rule if the employee is or has been working his actual wage is taken for the purposes of determining the current disability compensation. This rule has been applied to the great majority of cases. If the employee is deemed able to do some work but has failed to secure it after a reasonable time, then the present earning capacity has been estimated by the commission, taking into consideration all of the circumstances. This applies to a few cases only. If, in the judgment of the commission, a lump-sum settlement is best in the interest of the employee or for administrative reasons, then necessarily earning capacity has been estimated according to the commission's judgment of the probable average earning capacity during life, taking into consideration all of the circumstances. This method, also, has been applied to a few cases only.

This table includes all permanent partial disability awards made by this commission which have been closed either by lump-sum settlement or where injured workman has returned to work at the former wage, when the case is for the time being closed.

Particular attention should be called to the total amount of awards including all lump-sum settlements as compared with the wage loss. Referring to the table of dismemberments it will be noted that the award for compensation was \$205,266, and that the wage loss on these same cases amounted to \$272,018. This wage loss does not take into account the wage loss during the period covered by the lump-sum settlements, consequently to this degree it is incomplete; but even at that it shows that the injured workmen have not been paid the total amount of their wage loss, to say nothing of the suffering and loss of the members as shown in this table. By referring to the table of loss of function, we find that the total compensation amounted to about \$322,000, while the wage loss in these same cases amounted to \$396,000.

## 62 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 8.—PERMANENT PARTIAL DISABILITIES, BY LOCATION OF DISABILITY, OCCURRING SEPT. 7, 1916, TO DEC. 31, 1920, AND CLOSED BEFORE DEC. 31, 1920.

## DISMEMBERMENTS (INCLUDING SURGICAL AMPUTATIONS).

[Duration in this table includes partial disability, if any, as well as total disability, partial disability days having been reduced to equivalent days of total disability. The small figures at the left in certain columns show number of cases of infection. In cases where lump-sum settlement has been made the wage loss given here covers only the period for which monthly compensation was paid before lump-sum settlement.]

Member injured.	Number of cases.	Average days' duration.	Award.	Average award.		Wage loss, all cases.	Number of non-compensated cases.
				All cases.	Cases of infection.		
Eye.....	17 68	79	a \$10,784.30	\$158.59	\$262.57	\$18,232.97	6
Eyes.....	1 851	b 7,038.82	7,038.82	7,038.82		2,979.00	
Foreign substance in eye.....	8 5	199	c 4,325.42	865.08	1,233.39	3,284.00	
Ear, external.....	1 1	28					1
Breast.....	1 1	77	157.80	157.80	157.80	332.64	
Testicles.....	1 1	230	493.36	493.36		920.00	
Arm at shoulder, right.....	1 1		d 3,193.47	3,193.47			
Arm at shoulder, left.....	1 3	359	e 7,574.17	2,524.72	42.47	3,861.26	
Forearm, right.....	3 163	3	f 4,800.99	1,600.33		1,509.38	
Forearm, left.....	2 376	2	1,240.24	620.12		2,603.24	
Hand, n. o. c., right.....	1 12	162	g 6,718.73	559.89	3,733.81	6,093.19	1
Hand, n. o. c., left.....	6 261	3	3,185.64	530.94		5,271.49	
Metacarpal, one, left.....	1 1	1,078	h 3,336.96	3,336.96	3,336.96	8,224.00	
Thumb, n. o. c., right.....	2 2	29	113.34	56.67		336.80	
Thumb, n. o. c., left.....	1 2	79	286.26	143.13	126.68	522.52	
Thumb, distal phalanx, right.....	10 45	50	i 5,268.72	117.08	303.18	9,228.09	6
Thumb, distal phalanx, left.....	5 46	31	2,144.48	46.62	91.11	4,821.66	7
Thumb, proximal phalanx, right.....	14 61	61	j 4,817.75	344.13		3,152.57	1
Thumb, proximal phalanx, left.....	8 75	8	653.91	81.74		1,007.78	2
Index finger, n. o. c., right.....	6 47	47	510.79	85.13		1,182.92	
Index finger, n. o. c., left.....	2 5	46	397.81	79.56	110.01	1,049.49	
Index finger, distal phalanx, right.....	8 94	35	5,365.26	57.08	93.46	11,056.18	15
Index finger, distal phalanx, left.....	10 79	32	4,220.36	53.42	141.34	9,411.90	16
Index finger, middle phalanx, right.....	4 23	35	1,161.77	50.51	108.86	2,159.12	4
Index finger, middle phalanx, left.....	2 14	96	2,381.54	170.11	74.18	3,468.91	1
Index finger, proximal phalanx, right.....	10 28	78	3,795.86	135.57	244.88	7,361.66	6
Index finger, proximal phalanx, left.....	2 22	46	1,811.46	82.34	281.77	3,711.46	3
Middle finger, n. o. c., right.....	2 3	149	621.28	207.09	302.86	1,388.00	
Middle finger, n. o. c., left.....	1 3	46	166.12	55.37	44.45	427.68	
Middle finger, distal phalanx, right.....	5 97	36	5,465.37	56.34	184.30	12,651.92	17
Middle finger, distal phalanx, left.....	2 78	29	3,659.43	46.92	275.57	8,505.30	17
Middle finger, middle phalanx, right.....	4 18	45	1,319.82	73.32	82.71	2,793.68	4
Middle finger, middle phalanx, left.....	1 17	34	1,032.14	60.71	57.34	2,185.26	1
Middle finger, proximal phalanx, right.....	4 8	50	611.88	76.49	120.91	1,248.39	1
Middle finger, proximal phalanx, left.....	2 9	72	896.00	99.56	114.72	1,464.69	2
Ring finger, n. o. c., right.....	1 2	33	131.12	65.56	131.12	286.00	1
Ring finger, n. o. c., left.....	9 1	67	140.01	140.01		343.20	
Ring finger, distal phalanx, right.....	50 39	39	2,949.86	59.00	71.03	5,499.07	18
Ring finger, distal phalanx, left.....	8 42	31	1,845.35	43.94	79.73	4,790.97	10
Ring finger, middle phalanx, right.....	5 39	39	217.41	43.48		612.76	1
Ring finger, middle phalanx, left.....	8 8	50	670.88	83.86		1,632.74	3
Ring finger, proximal phalanx, right.....	8 8	88	1,206.35	150.79	320.00	1,916.13	
Ring finger, proximal phalanx, left.....	1 9	33	527.73	58.64	53.34	997.16	
Little finger, n. o. c., right.....	2 2	38	151.11	75.56		380.48	
Little finger, distal phalanx, right.....	3 37	29	1,601.80	43.29	90.11	3,164.27	9
Little finger, distal phalanx, left.....	2 41	24	1,590.28	38.79	190.40	4,092.67	13
Little finger, middle phalanx, right.....	1 15	51	1,060.67	70.71	8.00	1,998.79	3
Little finger, middle phalanx, left.....	1 10	36	588.28	58.83	60.00	1,092.03	1
Little finger, proximal phalanx, right.....	2 18	62	1,498.09	83.23	15.58	3,194.13	2
Little finger, proximal phalanx, left.....	2 9	38	452.42	50.27	76.95	783.10	1
Thumb and one finger, right.....	12 38	38	702.20	58.52		1,496.53	4
Thumb and one finger, left.....	5 63	63	521.44	104.29		951.72	
Thumb and two or more fingers, right.....	8 83	83	k 3,090.52	383.82		1,815.93	1
Thumb and two or more fingers, left.....	7 56	56	716.44	102.35		1,469.76	
Two fingers, right.....	64 58	58	6,330.36	98.91		12,635.16	9

Amount of award, including lump-sum settlement, as follows:

- a One case, 10 per cent disability, \$2,045.27.
- b One case, 40 per cent disability, \$7,038.82.
- c One case, 25 per cent disability, \$2,840.10.
- d One case, 50 per cent disability, \$3,192.47.
- e One case, 40 per cent disability, \$6,802.73.
- f One case, 40 per cent disability, \$4,213.08.
- g One case, 45 per cent disability, \$3,733.81.
- h One case, 10 per cent disability, \$3,336.96.
- i One case, 10 per cent disability, \$2,018.63.
- j One case, 30 per cent disability, \$3,993.23.
- k One case, 25 per cent disability, \$2,083.49.

TABLE 8.—PERMANENT PARTIAL DISABILITIES, BY LOCATION OF DISABILITY, OCCURRING SEPT. 7, 1916, TO DEC. 31, 1920, AND CLOSED BEFORE DEC. 31, 1920—Contd.

## DISMEMBERMENTS (INCLUDING SURGICAL AMPUTATIONS)—continued.

Member injured.	Number of cases.	Average days' duration.	Award.	Average award.		Wage loss, all cases.	Number of non-compensated cases.
				All cases.	Cases of infection.		
Two fingers, left.....	4 47	47	\$3,753.57	\$79.86	\$104.87	\$8,090.35	4
Three fingers, right.....	1 20	76	a 8,893.53	444.68	.....	4,432.34	1 3
Three fingers, left.....	1 10	46	828.88	82.89	58.89	1,756.68	.....
Four fingers, right.....	9 110	110	1,584.25	176.03	.....	2,772.93	.....
Four fingers, left.....	8 59	59	867.89	108.49	.....	2,080.21	.....
Thigh.....	4 8 213	213	b 17,367.49	2,170.94	2,779.44	4,963.92	.....
Leg.....	6 22 297	297	c 22,748.87	1,304.04	546.15	22,617.46	2
Foot, n. o. c.....	1 7 266	266	d 10,740.98	1,537.73	919.89	7,673.11	.....
Metatarsals.....	1 1 240	240	524.48	524.48	.....	1,195.00	.....
Great toe, n. o. c.....	3 10 85	85	1,594.61	159.46	367.43	4,485.86	.....
Great toe, one phalanx.....	1 5 46	46	440.06	88.01	.....	971.30	.....
Great toe, more than one phalanx.....	1 3 82	82	457.34	152.67	240.01	1,035.24	.....
Lesser toe, n. o. c.....	4 19 63	63	2,021.55	106.40	54.58	3,498.61	1
Lesser toe, one phalanx.....	3 8 42	42	580.94	72.62	119.88	1,117.19	.....
Lesser toe, more than one phalanx.....	4 111	111	909.53	227.38	.....	1,569.08	.....
Great toe and lesser toe or toes.....	2 15 79	79	1,959.68	130.65	173.56	3,758.76	1
Two or more lesser toes.....	8 17 118	118	e 4,448.78	261.69	488.93	8,400.22	.....
Total.....	166 1,292	.....	205,266.00	.....	.....	272,018.01	2 184

## LOSS OF FUNCTION.

Brain.....	3	295	f \$2,324.93	\$774.98	.....	\$6,850.68	.....
Eye.....	27 133	69	g 30,848.83	231.95	157.27	38,392.25	10
Eyes.....	6	46	h 7,558.11	1,259.69	.....	866.87	3
Foreign substance in eye.....	2 6	76	i 843.38	140.56	80.56	1,760.00	.....
Ear, inner.....	6	63	342.82	57.14	.....	1,727.96	1
Ears, inner.....	1 1	18	.....	.....	.....	9.84	1
Jaw.....	1 1	8	11.11	11.11	11.11	38.40	.....
Skull.....	4	156	5,602.12	1,400.53	.....	2,683.68	.....
Head, general.....	1	226	475.94	475.94	.....	723.00	.....
Nose.....	1 1	162	353.35	353.35	353.35	842.40	.....
Face, n. o. c.....	1	51	106.68	106.68	.....	277.44	.....
Two or more parts of face, one not clearly major injury.....	1 1	27	28.11	28.11	.....	49.60	.....
Vertebrae, n. o. c.....	1 3	319	1,741.34	580.45	960.45	2,692.00	.....
Vertebrae, cervical.....	2 374	j 4,916.57	2,458.29	.....	.....	5,820.00	.....
Vertebrae, lumbar.....	3 446	2,793.96	931.32	.....	.....	4,245.00	.....
Thorax, posterior, lumbar.....	8 305	k 7,008.07	876.01	.....	.....	7,713.04	.....
Abdominal viscera.....	1 851	1,611.20	1,611.20	.....	.....	4,322.00	.....
Pelvis, n. o. c.....	4 210	l 4,542.48	1,135.62	.....	.....	6,059.59	.....
Anus, rectum, or perineum.....	1 121	200.76	200.76	.....	.....	316.80	.....
Penis.....	1 1	98	211.12	211.12	211.12	326.36	.....
Testicles.....	1 4	50	334.46	83.62	40.00	608.21	1
Hernia, inguinal.....	2 3	130	684.61	228.20	154.52	1,839.47	.....
Sacroiliac joint.....	2 97	376.68	188.34	.....	.....	577.00	1
Scapula.....	4 250	1,813.83	453.46	.....	.....	3,720.80	.....
Clavicle.....	6 191	1,844.37	307.40	.....	.....	3,477.38	.....
Shoulder joint, right.....	10 206	4,283.79	428.38	.....	.....	5,209.78	1
Shoulder joint, left.....	1 124	266.40	266.40	.....	.....	438.00	.....
Shoulder, general, right.....	9 77	1,943.89	215.99	.....	.....	1,973.40	.....
Shoulder, general, left.....	7 373	5,361.11	765.87	.....	.....	9,371.80	.....
Arm, right.....	2 179	m 3,076.83	1,538.42	.....	.....	1,161.95	1
Arm, left.....	1 3	111	n 6,189.49	2,063.16	3,886.87	1,658.65	.....

Amount of award, including lump-sum settlement, as follows:

a One case, 50 per cent disability, \$6,879.50.

b One case, 40 per cent disability, \$5,124.45; one case, 50 per cent disability, \$7,213.23; one case, 20 per cent disability, \$3,455.14.

c One case, 40 per cent disability, \$5,853.21; one case, 50 per cent disability, \$6,248.12.

d One case, 30 per cent disability, \$5,321.42; one case, 20 per cent disability, \$3,061.37.

e One case, 6 per cent disability, \$1,293.92.

f One case, 2.8 per cent disability, \$2,008.98.

g One case, 25 per cent disability, \$4,044.72; one case 15 per cent disability, \$2,834.09; one case, 25 per cent disability, \$2,927.88; one case, 40 per cent disability, \$6,524.57.

h One case, 50 per cent disability, \$7,543.94.

i One case, 30 per cent disability, \$4,740.01.

j One case, 25 per cent disability, \$4,732.11.

k One case, 20 per cent disability, \$3,946.42.

l One case, 10 per cent disability, \$2,359.08.

m One case, 25 per cent disability, \$3,076.83.

n One case, 30 per cent disability, \$3,886.87; one case, 20 per cent disability, \$2,258.07.



## 64 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 8.—PERMANENT PARTIAL DISABILITIES, BY LOCATION OF DISABILITY, OCCURRING SEPT. 7, 1916, TO DEC. 31, 1920, AND CLOSED BEFORE DEC. 31, 1920—Contd.

LOSS OF FUNCTION—continued.

Member injured.	Number of cases.	Average days' duration.	Award.	Average award.		Wage loss, all cases.	Number of non-compensated cases.
				All cases.	Cases of infection.		
Upper arm, right.....	2	167	\$716.70	\$358.35	.....	\$1,892.40	.....
Humerus, right.....	3	139	888.95	296.32	.....	3,170.00	.....
Humerus, left.....	1	61	95.56	95.56	.....	178.94	.....
Humerus, lower end of, right.....	2	120	504.81	252.41	.....	676.58	.....
Humerus, lower end of, left.....	3	127	592.91	197.64	.....	1,096.40	.....
Elbow, right.....	2	7	94	989.81	\$143.64	1,801.16	1
Elbow, left.....	1	48	.....	.....	.....	158.40	1
Forearm, left.....	1	3	164	852.76	284.25	533.36	2,134.10
Radius, right.....	5	204	729.06	145.81	.....	1,285.79	1
Radius, left.....	1	611	a 3,696.10	3,696.10	.....	1,869.66	.....
Ulna, right.....	2	33	101.56	50.78	.....	195.21	.....
Radius and ulna, right.....	5	94	840.36	168.07	.....	1,691.92	.....
Radius and ulna, left.....	2	3	70	417.80	138.90	1,136.80	.....
Radius, lower end of, right.....	5	175	1,579.52	315.90	.....	2,529.00	1
Radius, lower end of, left.....	1	78	146.67	146.67	.....	285.60	.....
Radius, upper end of, right.....	1	557	b 5,492.59	5,492.59	.....	4,690.00	.....
Ulna, lower end of, left.....	1	19	.....	.....	.....	.....	1
Ulna, upper end of, right.....	2	37	148.89	74.45	.....	289.52	.....
Radius and ulna, lower end of, right.....	1	153	c 4,623.85	308.26	743.73	7,290.59	.....
Radius and ulna, lower end of, left.....	3	48	282.24	94.08	.....	551.38	.....
Radius and ulna, upper end of, right.....	1	69	119.04	119.04	.....	187.20	.....
Wrist, right.....	1	6	77	849.69	141.62	157.79	2,876.56
Wrist, left.....	1	74	11.11	11.11	.....	27.60	.....
Arms, or one arm and one hand.....	2	108	322.23	161.12	.....	660.20	.....
Hand, n. o. c., right.....	8	12	136	d 6,738.93	561.58	769.03	5,031.86
Hand, n. o. c., left.....	1	1	68	75.56	75.56	138.75	.....
Hand, back of, right.....	2	104	443.48	221.74	.....	726.64	.....
Palm, right.....	4	4	158	1,308.40	327.10	327.10	2,699.83
Palm, left.....	2	3	175	e 3,749.00	1,249.67	1,874.50	2,232.00
Hands.....	1	1	115	157.78	157.78	157.78	304.00
Metacarpal, one, right.....	1	5	88	673.48	134.70	346.68	1,454.89
Metacarpal, one, left.....	2	27	104.45	52.23	.....	246.56	.....
Metacarpal, more than one, right.....	1	314	748.93	748.93	.....	1,381.60	.....
Metacarpal, more than one, left.....	1	2	131	530.05	265.02	306.70	1,488.00
Thumb, n. o. c., right.....	4	14	45	f 1,572.29	112.31	281.07	1,986.11
Thumb, n. o. c., left.....	8	15	58	1,564.24	104.28	147.48	2,942.12
Thumb, distal phalanx, left.....	1	1	39	80.00	80.00	.....	234.00
Thumb, proximal phalanx, right.....	1	2	40	104.45	104.45	48.89	232.60
Thumb, proximal phalanx, left.....	3	34	147.58	49.19	.....	259.58	.....
Index finger, n. o. c., right.....	11	28	56	2,710.62	96.81	86.78	5,168.57
Index finger, n. o. c., left.....	5	7	83	g 1,414.09	202.01	239.26	1,614.48
Index finger, distal phalanx, right.....	3	6	58	650.14	108.36	169.91	1,176.68
Index finger, distal phalanx, left.....	2	2	46	181.56	90.78	90.78	452.85
Index finger, middle phalanx, right.....	1	56	233.35	233.35	.....	525.40	.....
Index finger, middle phalanx, left.....	2	28	73.33	36.67	.....	114.00	.....
Index finger, proximal phalanx, right.....	1	7	.....	.....	.....	.....	1
Index finger, proximal phalanx, left.....	2	4	116	378.94	94.74	75.02	1,531.52
Middle finger, n. o. c., right.....	5	13	51	1,051.03	80.85	112.61	1,893.59
Middle finger, n. o. c., left.....	2	5	39	348.73	69.75	106.12	708.99
Middle finger, distal phalanx, right.....	1	4	46	347.12	86.78	164.45	837.22
Middle finger, distal phalanx, left.....	1	1	61	77.73	77.73	.....	123.20
Middle finger, middle phalanx, right.....	1	3	28	160.53	53.51	77.78	304.96
Middle finger, middle phalanx, left.....	1	1	33	48.00	48.00	.....	79.20
Middle finger, proximal phalanx, right.....	3	39	140.01	46.67	.....	359.20	1
Ring finger, n. o. c., right.....	1	5	40	139.23	27.85	28.89	627.75
Ring finger, n. o. c., left.....	3	43	261.05	87.02	.....	533.04	.....
Ring finger, distal phalanx, right.....	2	39	155.56	77.78	.....	326.00	.....
Ring finger, distal phalanx, left.....	2	49	77.61	38.81	38.81	107.00	.....
Ring finger, proximal phalanx, right.....	1	1	141	300.01	300.01	300.01	563.00
Little finger, n. o. c., right.....	1	6	23	265.25	44.21	37.78	507.37
Little finger, n. o. c., left.....	2	5	27	252.28	50.46	73.92	589.00
Little finger, distal phalanx, right.....	2	84	266.68	133.34	.....	397.53	.....
Little finger, distal phalanx, left.....	2	23	82.23	41.12	.....	161.60	.....
Little finger, middle phalanx, right.....	2	32	122.67	61.34	.....	235.56	.....

Amount of award, including lump-sum settlement, as follows:

a One case, 30 per cent disability, \$3,696.10.

b One case, 40 per cent disability, \$5,492.59.

c One case, 20 per cent disability, \$974.36.

d One case, 35 per cent disability, \$4,747.49.

e One case, 20 per cent disability, \$3,561.27.

f One case, 5 per cent disability, \$797.24.

g One case, 5 per cent disability, \$476.46.



TABLE 8.—PERMANENT PARTIAL DISABILITIES, BY LOCATION OF DISABILITY, OCCURRING SEPT. 7, 1916, TO DEC. 31, 1920, AND CLOSED BEFORE DEC. 31, 1920—Contd.

## LOSS OF FUNCTION—continued.

Member injured.	Number of cases.	Average days' duration.	Award.	Average award.		Wage loss, all cases.	Number of non-compensated cases.
				All cases.	Cases of infection.		
Little finger, middle phalanx, left....	1	152	a \$782.25	\$782.25	.....	\$547.00	.....
Little finger, proximal phalanx, right.	5	109	b 1,596.91	319.38	\$489.64	2,057.08	.....
Thumb and one finger, right.....	3	23	104.16	34.72	.....	222.41	1
Thumb and one finger, left.....	1	73	155.57	155.57	.....	432.16	.....
Thumb and two or more fingers, right	1	90	192.89	192.89	.....	300.00	.....
Two fingers, right.....	11	121	c 3,875.26	352.30	124.85	3,725.75	.....
Two fingers, left.....	3	65	388.90	129.63	.....	915.78	.....
Three fingers, right.....	1	33	52.89	52.89	.....	88.11	.....
Three fingers, left.....	1	168	366.79	366.79	366.79	701.00	.....
Four fingers, right.....	1	35	71.11	71.11	.....	173.60	.....
Hip.....	1	6	1,382.41	230.40	240.43	2,428.66	.....
Hip joint.....	8	402	d 8,937.01	1,117.13	.....	11,497.00	.....
Thigh.....	1	41	e 46,966.84	1,145.53	60.00	42,688.32	.....
Patella.....	5	302	f 7,751.71	1,550.34	871.20	8,614.82	.....
Knee.....	19	176	g 10,512.54	553.29	419.25	16,851.46	3
Leg.....	25	221	h 12,441.79	497.67	1,150.66	22,942.16	1
Leg, lower.....	1	35	57.18	.....	.....	92.40	.....
Fibula.....	1	198	319.44	319.44	.....	516.20	.....
Tibia.....	1	323	i 1,621.44	540.45	634.26	2,367.00	.....
Tibia, upper end of.....	2	91	223.37	111.69	.....	524.92	.....
Tibia, lower end of.....	2	325	j 2,510.91	1,255.46	.....	3,087.00	.....
Tibia and fibula, upper end of.....	2	299	k 1,537.17	768.59	.....	1,281.56	.....
Tibia and fibula, lower end of.....	1	14	5,872.26	419.45	900.61	10,653.56	.....
Ankle.....	1	17	427.77	1,124.86	2,796.90	18,834.93	.....
Foot, n. o. c.....	1	13	218.11	594.43	192.00	7,638.95	.....
Foot, top of.....	4	14	224.77	574.94	1,319.88	10,270.01	1
Tarsals.....	1	2	77.16	311.57	268.91	476.25	.....
Oscalsis.....	1	2	152.16	325.58	.....	1,146.50	.....
Metatarsals.....	1	9	366.21	1,080.69	5,037.71	13,285.46	.....
Feet.....	1	4	149.03	248.01	102.23	1,919.99	.....
Great toe, n. o. c.....	1	1	1,178.62	6,122.62	.....	2,356.00	.....
Great toe, one phalanx.....	4	35	214.19	53.55	8.64	403.11	.....
Malleolus.....	4	23	44.45	44.45	.....	115.00	.....
Malleolus.....	4	55	448.75	112.19	.....	950.41	.....
Paralysis.....	1	220	255.58	255.58	.....	792.00	.....
Shell shock.....	2	98	411.14	205.57	.....	1,216.00	.....
Multiple injuries.....	2	141	977.82	488.91	.....	4,403.33	1
Multiple injuries.....	7	282	p 9,753.56	1,393.37	.....	6,771.31	.....
Total.....	144	734	321,986.28	.....	.....	396,055.10	44
Nose (disfigurement).....	1	13	22.22	22.22	.....	43.29	.....

Amount of award, including lump-sum settlement, as follows:

- a One case, 5 per cent disability, \$782.25.  
 b One case, 5 per cent disability, \$1,004.01.  
 c One case, 20 per cent disability, \$2,396.78.  
 d One case, 25 per cent disability, \$4,483.12.  
 e One case, 25 per cent disability, \$3,419.54; one case, 20 per cent disability, \$3,955.92; one case, 40 per cent disability, \$5,566.97; one case, 50 per cent disability, \$7,813.86; one case, 40 per cent disability, \$5,347.61.  
 f One case, 33 1/3 per cent disability, \$5,822.17.  
 g One case, 33 1/3 per cent disability, \$3,740.63.  
 h One case, 20 per cent disability, \$3,758.60.  
 i One case, 7 1/2 per cent disability, \$2,116.22.  
 j One case, 3 per cent disability, \$829.66.  
 k One case, 15 per cent disability, \$1,728.12; one case, 30 per cent disability, \$5,198.82; one case, 30 per cent disability, \$4,226.94.  
 l One case, 25 per cent disability, \$4,203.64.  
 m One case, 15 per cent disability, \$3,381.91.  
 n One case, 25 per cent disability, \$5,037.71.  
 o One case, 60 per cent disability, \$6,122.62.  
 p One case, 40 per cent disability, \$7,340.54.

## NATURE OF INJURY, WITH RESULTING DISABILITY.

Table 9 shows the nature of injury classified by the character of resulting disability and the member affected. The average duration is shown of all cases affecting a specified member, and the average duration and average amount of award is shown for compensated cases. Distinction is made of cases in which infection occurred, the duration and award being shown.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920.

BRUISES, CONTUSIONS, AND ABRASIONS.

[The small figures at the left in certain columns show number of cases of infection.]

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver- age days' dura- tion.	Num-ber.	Aver- age days' dura- tion.	Award.	Average award.	Average award in cases with infection.
TEMPORARY TOTAL DISABILITIES.							
Eye.....	6 99	24 12	53	16	\$1,184.67	\$22.35	\$23.50
Eyes.....	1	2					
Ear, inner.....	1	1					
Ears, inner.....	1	13					
Ear, external.....	1 2	30 19	2	13	20.00	20.00	
Jaw, upper.....	3	9	3	19	66.67	33.34	57.78
Jaw, lower.....	4	8	1	9	37.79	12.60	
Scalp, back of.....	1 68	17 11	31	5	2.22	2.22	
Head, general.....	1 54	16	19	18	995.64	32.12	31.11
Forehead.....	1 28	13 7	8	35	1,298.07	68.32	
Eyelids.....	1 9	19 8	2	10	123.24	15.41	
Nose.....	10	9	4	12	28.89	14.45	
Cheek.....	16	5	4	10	80.00	20.00	
Lips, chin, and mouth.....	12	9	4	10	57.78	14.45	
Face, n. o. c.....	27	7	12	9	43.56	10.89	
Neck.....	1 14	14 10	7	10	166.66	13.89	
Face and neck.....	1	36	7	15	183.62	26.23	24.45
Head, neck, and face, n. o. c.....	3	14	2	36	51.12	51.12	
Breasts.....	1 4	115 40	4	20	66.67	33.34	
Thorax, external, general.....	114	18	5	40	321.12	80.28	243.34
Thorax, anterior.....	2 112	374 23	73	32	296.05	59.21	
Thorax, lateral.....	1 154	443 28	85	29	3,647.58	49.97	635.59
Thorax, posterior, upper.....	16	14	10	45	7,270.58	85.54	897.83
Thorax, posterior, lumbar.....	8 237	32 25	143	21	333.40	33.84	
Thoracic organs, internal.....	1	3		35	8,724.22	61.01	26.33
Abdominal wall.....	1 54	32 14	31	20	1,011.11	32.62	154.46
Abdominal viscera.....	1 11	49 38	9	42	719.31	79.92	102.22
Groin.....	8 32	41 27	22	35	1,406.84	63.95	80.75
Sacrum or coccyx region.....	1 3	48 27	1	48	93.35	93.35	93.35
Sacro iliac joint.....	1 7	92 24	4	36	282.23	70.56	193.34
Pelvic region, n. o. c.....	2 12	61 20	9	25	395.56	43.95	127.50
Buttocks.....	2 15	22 13	9	17	273.72	30.41	16.67
Anus, rectum, or perineum.....	4 8	42 13	5	37	350.75	70.15	70.56
Urethra.....	2 4	33 59	3	69	345.81	115.27	131.79
External generative organs.....	2	5					
Penis.....	2	44	2	44	177.79	88.90	
Testicles.....	1 43	48 23	32	28	1,619.15	50.60	97.78
Scrotum.....	1 10	68 43	5	48	472.03	94.41	127.57
Producing hernia, inguinal.....	1 13	90 64	13	64	1,463.86	112.60	188.90
Producing hernia, post operative.....	1	31					
Producing hernia, other.....	4	43	3	47	235.56	78.52	
Shoulder, general.....	1 146	8 16	72	23	2,890.12	40.14	
Arm.....	10 24	8 13	14	18	\$441.80	31.56	10.67
Elbow.....	11 94	11 14	47	23	1,798.76	38.27	14.00
Forearm.....	11 77	23 15	45	20	1,524.61	33.88	46.47
Wrist.....	9 50	12 12	20	22	776.75	38.84	11.36
Arm, general.....	2 38	8 16	15	26	709.61	47.31	
One arm and one hand.....	9 1	8 25	1	25	48.89	48.89	
Arm and leg.....	2 11	8 11	4	13	69.06	17.27	
Hands.....	2 9	23 19	5	29	210.06	42.01	15.55
Hand, n. o. c.....	24 149	45 18	85	25	3,279.75	38.59	66.11
Palm.....	43 69	19 16	44	21	1,574.24	35.78	27.83
Back of.....	22 82	14 12	44	17	1,096.09	24.91	15.62
Thumb, n. o. c.....	17 102	21 12	48	18	1,354.13	28.21	33.20

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## BRUISES, CONTUSIONS, AND ABRASIONS—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver- age days' dura- tion.	Num-ber.	Aver- age days' dura- tion.	Award.	Average award.	Average award in cases with in-fection.
TEMPORARY TOTAL DISABILITIES—con.							
Thumb, distal phalanx.....	7 36	24 16	24	21	\$870.71	\$36.28	\$43.92
Thumb, proximal phalanx.....	1 12	15 7	4	9	53.89	13.47	26.67
Index finger, n. o. c.....	22 92	14 13	47	17	1,375.35	29.26	14.73
Index finger, distal phalanx.....	2 32	13 12	16	17	464.47	29.03	12.23
Index finger, middle phalanx.....	3 3	8 1	13	13	18.00	18.00	.....
Index finger, proximal phalanx.....	6 9	9 8	6	9	79.99	13.33	13.33
Middle finger, n. o. c.....	21 114	24 16	70	21	2,524.18	36.06	34.42
Middle finger, distal phalanx.....	8 43	19 15	24	17	629.19	26.22	28.78
Middle finger, proximal phalanx.....	4 7	10 12	7	12	120.00	17.14	13.33
Ring finger, n. o. c.....	15 68	16 12	33	17	894.03	27.09	22.42
Ring finger, distal phalanx.....	2 25	8 8	16	10	199.44	12.47	4.45
Ring finger, middle phalanx.....	1 2	16 9	1	16	17.78	17.78	17.78
Ring finger, proximal phalanx.....	3 6	4 13	3	24	133.35	44.45	44.45
Little finger, n. o. c.....	10 58	9 9	28	14	593.17	21.18	7.78
Little finger, distal phalanx.....	12 12	12 6	6	9	77.03	12.84	.....
Thumb and one finger.....	7 7	37 5	50	459.39	91.88	.....	.....
Thumb and two or more fingers.....	5 5	14 3	16	77.78	25.93	.....	.....
Two fingers.....	8 83	18 15	42	21	1,572.06	37.43	32.59
Three fingers.....	1 18	35 12	6	21	202.23	33.71	68.89
Four fingers.....	1 11	19 7	25	25	326.40	46.63	.....
Finger, n. o. c.....	3 15	11 6	2	16	55.55	27.78	14.07
Hip.....	4 124	36 20	72	30	3,951.22	54.88	70.56
Thigh.....	13 160	69 20	99	28	5,109.41	51.61	113.87
Knee.....	25 389	25 17	226	24	9,125.08	40.38	42.08
Leg.....	22 503	41 20	290	29	14,934.92	51.50	71.21
One leg and one foot.....	1 1	19 1	19	19	35.56	35.56	.....
Ankle.....	18 118	32 19	64	29	2,999.66	46.87	48.30
Foot, n. o. c.....	15 374	22 15	186	23	7,330.66	39.41	28.11
Foot, sole of.....	1 6	10 8	2	9	24.45	12.23	15.56
Foot, top of.....	13 238	23 16	147	22	5,768.22	39.24	57.45
Feet.....	12 12	24 8	29	29	377.23	47.15	.....
Heel.....	8 40	19 10	15	14	333.78	22.25	1.48
Toe, n. o. c.....	9 9	9 2	24	24	82.23	41.12	.....
Great toe, n. o. c.....	12 362	18 11	197	14	4,343.49	22.05	32.59
Great toe, one phalanx.....	17 17	11 14	13	13	278.33	19.88	.....
Great toe, more than one phalanx.....	1 1	18 1	18	18	26.67	26.67	.....
Lesser toe, n. o. c.....	7 74	29 10	39	14	888.14	22.77	55.58
Lesser toe, one phalanx.....	1 3	20 11	2	11	31.12	15.56	.....
Great toe and lesser toe or toes.....	1 86	20 15	49	20	1,677.32	34.23	24.45
Two or more lesser toes.....	1 30	8 7	12	10	161.12	13.43	8.89
Two or more parts, one not clearly major injury to leg.....	8 8	57 6	73	870.63	145.11	.....	.....
Bursitis.....	1 1	14 1	.....	.....	.....	.....	.....
Multiple bruises.....	190 190	28 28	117	35	7,110.69	60.78	.....
Total.....	512 5,368	.....	2,966	.....	125,829.41	.....	.....
PERMANENT PARTIAL DISABILITIES.							
Eye.....	4 15	141 82	13	93	a 5,832.75	448.67	260.03
Eyes.....	1 1	851 1	1	851	b 7,038.82	7,038.82	.....
Ear, inner.....	1 1	74 1	1	74	153.48	153.48	.....
Head, general.....	1 1	226 1	1	226	475.94	475.94	.....
Abdominal viscera.....	1 1	851 1	1	851	1,611.20	1,611.20	.....
Testicles.....	1 1	230 1	1	230	493.36	493.36	.....
Shoulder, general, left.....	1 1	98 1	1	98	134.34	134.34	.....
Wrist.....	1 1	76 76	1	76	157.79	157.79	157.79
Hand, n. o. c., right.....	8 5	225 183	5	183	c 4,818.30	963.66	1,449.06
Hand, n. o. c., left.....	1 3	1078 623	2	906	d 4,917.06	2,458.53	3,336.96
Thumb, n. o. c., right.....	1 1	152 152	1	152	e 797.24	797.24	797.24
Thumb, n. o. c., left.....	1 1	67 67	1	67	126.68	126.68	126.68
Thumb, distal phalanx, right.....	1 2	75 39	1	75	157.79	157.79	157.79
Index finger, distal phalanx, right.....	1 1	43 1	1	43	50.67	50.67	.....
Index finger, middle phalanx, right.....	3 3	66 55	2	65	268.91	134.46	134.46

Amount of award, including lump-sum settlement, as follows:

a One case lump sum settlement, 25 per cent disability, \$4,044.72.

b One case lump sum settlement, 40 per cent disability, \$7,038.82.

c One case lump sum settlement, 45 per cent disability, \$3,733.81.

d One case lump sum settlement, 10 per cent disability, \$3,336.96.

e One case lump sum settlement, 5 per cent disability, \$797.24.

## 68 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

BRUISES, CONTUSIONS, AND ABRASIONS—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
PERMANENT PARTIAL DISABILITIES—continued.							
Index finger, middle phalanx, left...	1	51	1	51	\$68.89	\$68.89	-----
Index finger, proximal phalanx, right	1	31	1	31	60.00	60.00	-----
Index finger, proximal phalanx, left.	1	105 105	1	105	212.27	212.27	\$212.27
Middle finger, n. o. c., right.....	1	78 78	1	78	140.42	140.42	140.42
Middle finger, distal phalanx, right...	2	17	2	17	55.55	27.78	-----
Middle finger, distal phalanx, left...	3	48	3	48	272.36	90.79	-----
Ring finger, distal phalanx, right...	3	38	2	52	67.61	33.86	-----
Ring finger, middle phalanx, right...	1	35	-----	-----	-----	-----	-----
Ring finger, proximal phalanx, right.	2	232 232	2	232	892.33	446.17	446.17
Ring finger, proximal phalanx, left.	1	47	1	47	94.03	94.03	-----
Little finger, n. o. c., right.....	1	21 21	1	21	37.78	37.78	37.78
Little finger, middle phalanx, right..	1	111	1	111	172.80	172.80	-----
Little finger, middle phalanx, left...	1	41 41	1	41	60.00	60.00	60.00
Little finger, proximal phalanx, right	1	25	1	25	20.00	20.00	-----
Thumb and two fingers.....	1	106	1	106	a 2,083.49	2,083.49	-----
Two fingers, right.....	2	52	1	95	94.38	94.38	-----
Two fingers, left.....	1	1	-----	-----	-----	-----	-----
Three fingers, right.....	1	39 48	1	102	162.84	162.84	-----
Three fingers, left.....	1	67 57	1	57	117.78	117.78	117.78
Four fingers, left.....	1	25	1	25	35.84	35.84	-----
Thigh.....	1	338	1	338	b 5,124.45	5,124.45	-----
Leg.....	4	369 376	4	376	c 5,028.43	1,257.11	1,466.43
Foot, n. o. c.....	1	290 198	2	198	713.07	356.54	526.40
Foot, top of.....	1	29	1	29	42.66	42.66	-----
Great toe and two lesser toes.....	1	67 67	1	67	137.79	137.79	137.79
Two or more lesser toes.....	1	197 152	3	152	d 1,518.38	506.13	712.52
Total.....	79	-----	68	-----	44,247.48	-----	-----

## BURNS AND SCALDS.

TEMPORARY TOTAL DISABILITIES.									
Eye.....	1	95	13 8	35	14	\$780.00	\$22.29	\$14.07	
Eyes.....	1	38	14 12	9	32	561.44	62.38		
Forehead.....		4	5						
Head, general.....		1	20	1	20	35.56	35.56		
Eyelids.....	1	17	2 6	8	8	70.22	8.78		
Cheek.....		2	6	1	9	13.33	13.33		
Lips, chin, and mouth.....		3	8	1	7	8.89	8.89		
Face, n. o. c.....	1	46	16 12	20	19	702.03	35.10		
Neck.....	1	5	9 13	2	25	82.23	41.12	4.45	
Neck and face, n. o. c.....		11	9	5	12	76.66	15.33		
Thorax, external, n. o. c.....		2	14	2	14	46.23	23.12		
Thorax, anterior.....		3	9	2	14	34.63	17.32		
Thorax, posterior, lumbar.....	1	3	61 24	1	51	99.22	99.22	99.22	
Abdominal wall.....		1	5	1	5	4.44	4.44		
Groin.....		1	23	1	23	42.22	42.22		
Buttocks.....		1	1						
Shoulder, general.....		3	12						
Arm.....		3	16	1	18	33.34	33.34		
Elbow.....		1	10	1	10	15.56	15.56		
Forearm.....	1	36	23 16	22	20	694.86	31.58	31.85	
Wrist.....	1	6	16 12	6	12	115.56	19.26	25.56	
Arm, general.....	1	15	224 28	9	40	645.46	71.72	406.93	
Arms, or one arm and one hand.....	1	5	8 13	4	16	106.58	26.65	11.11	
Arm and leg.....		2	19						
Hands.....	1	38	30 19	27	24	1,138.08	42.15	57.78	
Hand, n. o. c.....	4	50	27 16	34	19	1,056.57	31.08	39.44	
Palm.....	1	22	11 10	8	17	226.23	28.28		
Back of.....		21	14	13	21	481.58	37.04		

Amount of award, including lump-sum settlement, as follows:

a One case lump sum settlement, 25 per cent disability, \$2,083.49.

b One case lump sum settlement, 40 per cent disability, \$5,124.45.

c One case lump sum settlement, 20 per cent disability, \$3,758.60.

d One case lump sum settlement, 6 per cent disability, \$1,293.92.



TABLE 9—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## BURNS AND SCALDS—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
TEMPORARY TOTAL DISABILITIES—CON.							
Thumb, n. o. c.....	1 3	107 53	3	53	\$322.24	\$107.41	\$226.68
Index finger.....	4 7	48 30	5	40	311.13	62.23	76.12
Middle finger.....	1 1	10					
Ring finger.....	1 1	28 28	1	28	21.77	21.77	21.77
Little finger.....	1 3	5 4					
Thumb and two or more fingers.....	4 4	6 8	2	5	8.88	4.44	
Two fingers.....	4 4	8	4	8	33.33	8.33	
Three fingers.....	5 5	11	1	5	4.44	4.44	
Four fingers.....	12 12	14	7	16	160.01	22.86	
Finger, n. o. c.....	1 1	2					
Hip.....	2 2	12	1	11	17.78	17.78	
Thigh.....	6 6	15	4	21	117.78	29.45	
Knee.....	2 2	36					
Leg.....	2 26	99 36	20	41	1,547.37	77.37	195.59
Ankle.....	8 8	17	6	22	232.57	38.76	
Feet.....	10 10	29	5	52	481.14	96.23	
Foot, n. o. c.....	1 15	22 25	10	32	563.33	56.33	40.00
Foot, sole of.....	1 1	61	1	61	86.61	86.61	
Foot, top of.....	7 7	13	4	19	106.88	26.72	
Heel.....	5 5	17	2	15	51.95	25.98	
Great toe, n. o. c.....	2 2	37	1	33	64.45	64.45	
Lesser toe, n. o. c.....	1 2	16 21	2	21	77.79	38.90	26.67
Two lesser toes.....	1 1	28 23	1	23	17.78	17.78	17.78
Dermatitis, other than hands.....	1 1	110	1	110	222.22	222.22	
Multiple burns.....	4 74	147 53	53	68	6,750.47	127.37	316.88
Total.....	38 638		348		18,270.84		
PERMANENT PARTIAL DISABILITIES.							
Eye.....	2 5	225 130	5	130	1,151.67	230.33	432.99
Index finger, proximal phalanx, right.....	1 1	108 108	1	108	170.30	170.30	170.30
Little finger, distal phalanx, right.....	1 1	41 41	1	41	68.89	68.89	68.89
Two fingers, right.....	1 1	597	1	597	1,116.84	1,116.84	
Total.....	4 8		8		2,507.70		

## CONCUSSIONS.

TEMPORARY TOTAL DISABILITIES.							
Brain.....	33	47	29	51	\$2,840.52	\$97.75	
Spinal column.....	1	19	1	19	33.34	33.34	
Total.....	34		30		2,873.86		
PERMANENT PARTIAL DISABILITIES.							
Brain.....	1	716	1	716	2,008.98	2,008.98	
Spinal column.....	1	26	1	26	48.89	48.89	
Total.....	2		2		2,057.87		

## CUTS AND LACERATIONS.

TEMPORARY TOTAL DISABILITIES.							
Eye.....	1 78	30 15	34	25	\$1,267.82	\$37.29	\$60.00
Eyes.....	1 1	3					
Ear, inner.....	1 1	2					
Ear, external.....	9 9	18	5	13	89.96	17.91	
Jaw, upper.....	1 1	8	1	8	11.11	11.11	

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 2.8 per cent disability, \$2,008.98.



## 70 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

CUTS AND LACERATIONS—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
TEMPORARY TOTAL DISABILITIES—con.							
Jaw, lower.....	3	3					
Tongue.....	1	5	1	5	\$3.20	\$3.20	
Scalp.....	10 241	82 14	110	22	4,312.41	39.20	\$92.24
Head, general.....	20	12	7	13	146.64	20.95	
Forehead.....	80	10	35	16	832.01	23.77	96.30
Eyelids.....	12	11	6	17	177.78	29.63	
Nose.....	16	8	8	8	57.88	7.24	
Cheek.....	14	10	6	10	74.22	12.37	
Lips, chin and mouth.....	1 41	6 9	21	15	484.77	23.08	2.22
Face, n. o. c.....	1 17	20 11	10	14	239.74	23.97	57.78
Neck.....	9	10	6	14	120.44	20.07	
Neck and face, n. o. c.....	1	3					
Thorax, posterior, lumbar.....	5	26	2	58	235.56	117.78	
Abdominal wall.....	2	9	2	9	22.22	11.11	
Groin.....	2	16	2	16	47.74	23.87	
Anus, rectum, or perineum.....	2	26	2	26	85.00	42.50	
Penis.....	1	44	1	44	84.45	84.45	
Scrotum.....	1 2	88 43	1	83	164.26	164.26	164.26
Buttocks.....	1 3	240 89	2	128	535.36	267.68	515.56
Shoulder, general.....	2	37	1	55	115.57	115.57	
Arm.....	1 11	16 14	5	18	162.23	32.45	26.67
Elbow.....	2 21	55 16	16	19	482.71	30.17	114.46
Forearm.....	7 49	25 22	28	31	1,369.33	48.90	17.14
Wrist.....	8 57	8 9	26	10	389.20	14.97	4.11
Arm, general.....	4 12	20 18	5	30	271.12	54.22	24.45
Arm and one hand.....	1	1					
Arm and leg.....	1	7	1	7	6.67	6.67	
Hand, n. o. c.....	10 103	30 15	54	24	2,176.82	40.31	52.40
Palm.....	32 132	22 14	82	19	2,535.36	30.92	32.26
Back of.....	13 66	25 15	34	17	932.99	27.44	32.95
Hands.....	6	7	3	9	26.66	8.89	
Thumb, n. o. c.....	11 114	16 13	60	19	1,927.65	32.13	24.45
Thumb, distal phalanx.....	5 47	31 17	30	21	1,023.85	34.13	45.34
Thumb, proximal phalanx.....	4 19	21 10	5	16	101.41	20.28	5.25
Index finger, n. o. c.....	10 96	26 14	47	23	1,873.50	39.86	47.61
Index finger, distal phalanx.....	10 55	18 15	40	17	1,107.06	27.68	17.11
Index finger, middle phalanx.....	1 6	18 25	5	30	258.61	51.72	33.34
Index finger, proximal phalanx.....	4 10	22 16	6	23	205.56	34.26	29.45
Middle finger, n. o. c.....	26 98	21 14	57	18	1,637.28	28.72	27.77
Middle finger, distal phalanx.....	4 44	9 17	25	25	1,444.48	45.78	4.45
Middle finger, middle phalanx.....	3 8	25 17	5	26	246.68	49.34	54.08
Middle finger, proximal phalanx.....	3 6	6 10	2	23	38.72	19.36	
Ring finger, n. o. c.....	13 54	13 12	29	15	652.64	22.50	16.06
Ring finger, distal phalanx.....	3 25	15 18	17	22	634.48	37.32	25.19
Ring finger, middle phalanx.....	1 1	13 12	1	12	20.00	20.00	20.00
Ring finger, proximal phalanx.....	1 1	43 43	1	43	84.45	84.45	84.45
Little finger, n. o. c.....	11 48	21 21	26	33	1,337.56	51.44	9.47
Little finger, distal phalanx.....	1 17	15 17	12	21	414.32	34.53	26.67
Little finger, middle phalanx.....	3	7	1	6	6.67	6.67	
Little finger, proximal phalanx.....	1	27					
Thumb and one finger.....	1 11	6 20	5	23	168.90	33.78	4.44
Thumb and two or more fingers.....	1 9	16 42	7	53	696.57	99.51	28.89
Two fingers.....	6 96	47 20	65	25	2,904.45	44.68	95.83
Three fingers.....	26	19	16	24	639.54	39.97	
Four fingers.....	1 12	25 20	6	30	319.46	53.24	71.12
Finger, n. o. c.....	1 8	9 5	1	9	13.33	13.33	13.33
Hip.....	2	26	1	49	64.45	64.45	
Thigh.....	5 23	47 31	16	40	1,247.98	78.00	93.34
Knee.....	8 49	53 18	27	28	1,408.76	52.10	106.23
Leg.....	16 176	55 21	95	30	5,333.59	56.14	84.53
Legs.....	1	361	1	361	702.00	702.00	
Ankle.....	2 21	74 22	16	26	719.33	44.96	113.35
Feet.....	1	75	1	75	153.34	153.34	
Foot, n. o. c.....	4 48	110 29	37	36	1,917.31	51.82	147.21
Sole of.....	3 16	23 43	9	71	1,227.17	136.55	62.52
Top of.....	3 37	37 19	25	24	827.60	33.10	41.27
Heel.....	1 13	141 54	8	82	1,323.45	165.43	524.46
Great toe, n. o. c.....	3 36	14 15	24	17	686.69	28.61	15.50
Great toe, one phalanx.....	1 4	15 19	3	20	111.13	37.04	33.34
Lesser toe, n. o. c.....	2 12	8 9	5	10	65.42	13.08	7.16

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## CUTS AND LACERATIONS—continued.

Member.	All cases.		Compensated cases.						
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.		
TEMPORARY TOTAL DISABILITIES—CON.									
Lesser toe, one phalanx.....	2	5	1	6	\$6.67	\$6.67	.....		
Great toe and lesser toe or toes.....	6	19	6	19	174.75	29.13	.....		
Two or more lesser toes.....	5	22	4	25	187.42	46.86	.....		
Multiple cuts and lacerations.....	11	50	10	54	1,006.73	100.67	.....		
Total.....	268	2,301	1,275	.....	52,079.79	.....	.....		
PERMANENT PARTIAL DISABILITIES.									
Eye.....	6	31	63	79	29	80	a 7,387.59	254.74	\$588.36
Wrist, right.....	1	1	108	1	108	188.90	188.90	.....	.....
Hand, n. o. c., right.....	1	1	132	132	1	132	258.75	258.75	258.75
Palm, left.....	2	3	237	175	2	237	b 3,749.00	1,874.50	1,874.50
Back of, right.....	1	1	112	1	112	236.80	236.80	.....	.....
Thumb, distal phalanx, right.....	1	1	85	85	1	85	177.79	177.79	177.79
Thumb, distal phalanx, left.....	1	2	36	38	2	38	153.33	76.67	73.33
Index, finger, n. o. c., right.....	1	3	24	132	2	169	597.43	298.72	62.23
Index, finger, n. o. c., left.....	1	1	96	96	1	96	c 476.46	476.46	476.46
Index, finger, distal phalanx, right.....	1	3	56	31	3	31	168.89	56.30	115.56
Index, finger, distal phalanx, left.....	1	5	104	45	5	45	431.71	86.34	217.81
Index, finger, middle phalanx, right.....	1	1	41	1	41	78.93	78.93	.....	.....
Index, finger, proximal phalanx, right.....	1	1	98	98	1	98	190.01	190.01	190.01
Index, finger, proximal phalanx, left.....	1	1	102	1	102	211.14	211.14	.....	.....
Middle finger, n. o. c., right.....	1	1	281	281	1	281	270.35	270.35	270.35
Middle finger, distal phalanx, right.....	2	4	56	53	4	53	424.17	106.04	111.03
Middle finger, distal phalanx, left.....	2	2	28	2	28	108.90	54.45	.....	.....
Middle finger, middle phalanx, right.....	1	1	55	.....	.....	.....	.....	.....	.....
Middle finger, middle phalanx, left.....	1	1	33	.....	1	33	51.12	51.12	.....
Middle finger, proximal phalanx, right.....	1	1	38	.....	1	38	64.45	64.45	.....
Middle finger, proximal phalanx, left.....	1	1	113	113	1	113	84.44	84.44	84.44
Ring finger, n. o. c., right.....	1	1	63	63	1	63	131.12	131.12	131.12
Ring finger, distal phalanx, right.....	2	4	22	36	3	38	171.42	57.14	24.45
Ring finger, distal phalanx, left.....	1	2	78	63	2	63	141.39	70.70	43.61
Ring finger, proximal phalanx, left.....	1	1	30	30	1	30	53.34	53.34	53.34
Little finger, n. o. c., right.....	1	1	38	1	38	75.56	75.56	.....	.....
Little finger, n. o. c., left.....	1	1	14	1	14	24.45	24.45	.....	.....
Little finger, distal phalanx, right.....	1	1	42	1	42	17.76	17.76	.....	.....
Little finger, distal phalanx, left.....	1	1	126	126	1	126	274.12	274.12	274.12
Thumb and two fingers, right.....	1	1	90	1	90	192.89	192.89	.....	.....
Two fingers, left.....	2	1	82	1	82	173.35	173.35	.....	.....
Three fingers, left.....	2	5	53	100	5	100	890.98	178.20	106.68
Knee.....	1	1	353	353	1	353	764.49	764.49	764.49
Leg.....	1	1	365	365	1	365	791.18	791.18	791.18
Foot, n. o. c.....	1	2	540	453	2	453	d 3,857.91	1,928.96	3,381.91
Great toe, more than one phalanx.....	1	1	115	115	1	115	240.01	240.01	240.01
Lesser toe, n. o. c.....	1	1	96	1	96	175.57	175.57	.....	.....
Lesser toe, more than one phalanx.....	1	1	299	1	299	605.07	605.07	.....	.....
Total.....	82	94	.....	88	.....	24,031.88	.....	.....	.....

## DISLOCATIONS.

TEMPORARY TOTAL DISABILITIES.							
Jaw, upper.....	1	23	1	23	\$42.22	\$42.22	.....
Jaw, lower.....	1	33	.....	.....	.....	.....	.....
Vertebrae, cervical.....	1	429	1	429	895.59	895.59	.....
Vertebrae, lumbar.....	5	36	4	44	297.78	74.45	.....
Sacro iliac joint.....	6	42	6	42	353.35	58.89	.....

Amount of award, including lump-sum settlement, as follows:

a One case lump sum settlement, 25 per cent disability, \$2,927.88.

b One case lump sum settlement, 20 per cent disability, \$3,561.27.

c One case lump sum settlement, 5 per cent disability, \$476.46.

d One case lump sum settlement, 15 per cent disability, \$3,381.91.

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TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

DISLOCATIONS—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver- age days' dura- tion.	Num-ber.	Aver- age days' dura- tion.	Award.	Average award.	Average award in cases with in- fection.
TEMPORARY TOTAL DISABILITIES—CON.							
Clavicle.....	13	51	9	63	\$1,100.46	\$122.27	.....
Shoulder.....	58	34	36	46	3,171.12	88.09	.....
Elbow.....	11	27	7	39	542.88	77.55	.....
Wrist.....	12	41	8	46	691.85	86.48	.....
Carpal, one.....	5	13	3	18	97.78	32.59	.....
Metacarpal, one.....	1	3					.....
Thumb, n. o. c.....	7	11	3	16	80.01	26.67	.....
Thumb, distal phalanx.....	2	19	1	34	62.23	62.23	.....
Thumb, proximal phalanx.....	1	2					.....
Index finger, n. o. c.....	1	9	1	9	13.33	13.33	.....
Index finger, proximal phalanx.....	1	6					.....
Middle finger, n. o. c.....	2	14	1	19	33.34	33.34	.....
Middle finger, proximal phalanx.....	2	33	2	33	128.90	64.45	.....
Ring finger, n. o. c.....	2	5	1	9	2.22	2.22	.....
Ring finger, middle phalanx.....	1	27	1	27	55.56	55.56	.....
Little finger, n. o. c.....	4	29	1	85	132.44	132.44	.....
Little finger, proximal phalanx.....	1	49	1	49	100.01	100.01	.....
Two fingers.....	3	13					.....
Four fingers.....	1	2					.....
Finger, n. o. c.....	1	2					.....
Hip joint.....	11	66	7	93	1,335.44	190.78	.....
Patella.....	6	19	5	22	138.27	27.65	.....
Knee.....	24	47	19	57	2,214.27	116.54	.....
Ankle.....	14	29	11	33	673.20	61.20	.....
Tarsals.....	1	118	1	118	251.13	251.13	.....
Metatarsals.....	3	26	2	25	92.23	46.12	.....
Great toe, n. o. c.....	3	26	2	20	73.84	36.67	.....
Great toe, distal phalanx.....	1	5	1	5	4.44	4.44	.....
Lesser toe, n. o. c.....	3	5					.....
Two or more lesser toes.....	1	2					.....
Total.....	210	.....	135	.....	12,583.39	.....	.....
PERMANENT PARTIAL DISABILITIES.							
Shoulder, right.....	2	598	2	598	2,602.61	1,301.31	.....
Shoulder, left.....	1	124	1	124	266.40	266.40	.....
Hip.....	1	727	1	727	a 4,485.12	4,485.12	.....
Knee.....	1	741	1	741	b 5,740.63	5,740.63	.....
Ankle.....	1	550	1	550	c 4,203.64	4,203.64	.....
Total.....	6	.....	6	.....	17,298.40	.....	.....

## FRACTURES.

TEMPORARY TOTAL DISABILITIES.							
Malar.....	7	33	5	33	\$291.13	\$58.23	.....
Jaw, upper.....	5	65	4	80	624.08	156.02	.....
Jaw, lower.....	12	68	11	68	1,457.00	132.45	\$140.00
Teeth.....	9	3	1	9	11.11	11.11	.....
Skull.....	32	97	24	118	5,739.18	239.13	.....
Nose.....	26	20	19	23	767.42	40.39	.....
Vertebrae, n. o. c.....	1	66	1	66	124.00	124.00	.....
Vertebrae, lumbar.....	4	55	4	55	382.74	95.69	.....
Sternum.....	2	41	2	41	162.24	81.12	.....
Ribs.....	255	36	187	42	14,923.01	79.80	.....
Pelvis, n. o. c.....	18	100	15	113	3,437.10	229.14	1,015.61
Scapula.....	22	43	20	46	1,963.60	98.18	.....
Clavicle.....	57	50	46	53	4,614.86	100.32	.....

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 25 per cent disability, \$4,485.12.

b One case lump-sum settlement, 33 per cent disability, \$5,740.63.

c One case lump-sum settlement, 25 per cent disability, \$4,203.64.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## FRACTURES—continued.

Member.	All cases.		Compensated cases.			
	Num-ber.	Aver- age days' dura- tion.	Num-ber.	Aver- age days' dura- tion.	Award.	Average award in cases with in-fection.
TEMPORARY TOTAL DISABILITIES—con.						
Humerus, surgical neck of.....	18	100	14	120	\$3,410.02	\$243.57
Humerus, shaft.....	23	76 90	21	96	4,120.64	196.22
Humerus, involving elbow.....	13	52	12	55	1,305.12	108.76
Radius, involving elbow.....	15	39	14	40	1,021.85	72.99
Ulna, involving elbow.....	14	76	13	80	2,115.47	162.73
Radius and ulna, involving elbow.....	4	82	3	107	421.58	140.53
Radius, n. o. c.....	42	52	36	55	3,641.10	101.14
Ulna, n. o. c.....	18	42	12	45	954.33	79.53
Radius and ulna, n. o. c.....	44	209 91	38	100	6,983.70	183.78
Radius, involving wrist.....	128	48	112	52	10,836.25	96.75
Ulna, involving wrist.....	3	29	2	37	126.67	63.34
Ulna and radius, involving wrist.....	110	52	90	61	10,377.46	115.31
Arm, n. o. c.....	1	63				
Styloid process, ulna or radius.....	16	38	14	41	1,120.85	80.06
Carpal, one.....	19	177 45	14	56	1,549.96	110.71
Carpal, more than one.....	2	7				
Metacarpal, one.....	72	135 33	56	38	3,568.45	63.72
Metacarpal, more than one.....	9	42	7	50	597.48	85.35
Thumb, n. o. c.....	12	20	8	22	315.32	39.42
Thumb, distal phalanx.....	28	18 24	21	30	1,121.99	53.43
Thumb, proximal phalanx.....	15	48 27	8	32	500.03	62.50
Index finger, n. o. c.....	13	17	7	27	361.57	51.65
Index finger, distal phalanx.....	15	86 34	13	38	886.37	68.18
Index finger, middle phalanx.....	6	32	5	38	355.78	71.16
Index finger, proximal phalanx.....	10	24 31	9	31	514.90	57.21
Middle finger, n. o. c.....	13	19	8	29	440.04	55.01
Middle finger, distal phalanx.....	17	33 30	14	34	873.43	62.39
Middle finger, middle phalanx.....	10	25	7	29	362.58	51.80
Middle finger, proximal phalanx.....	3	38	3	38	206.73	68.91
Ring finger, n. o. c.....	11	21	6	24	225.56	37.59
Ring finger, distal phalanx.....	21	22	18	24	797.82	44.32
Ring finger, middle phalanx.....	3	108 49	2	61	253.37	126.69
Ring finger, proximal phalanx.....	3	45	3	45	255.57	85.19
Little finger, n. o. c.....	8	14 22	4	26	186.45	46.61
Little finger, distal phalanx.....	14	50 25	10	31	602.27	60.23
Little finger, middle phalanx.....	6	29	6	29	317.38	52.90
Little finger, proximal phalanx.....	8	31	8	31	340.01	42.50
Two fingers.....	7	42	4	57	468.94	117.24
Three fingers.....	2	70	2	70	286.67	143.34
Finger, n. o. c.....	1	4				
Femur, surgical neck of.....	7	129	5	158	1,526.18	305.24
Femur, shaft.....	34	183	34	183	11,925.08	350.74
Patella.....	23	146	19	165	6,094.13	320.74
Tibia, involving knee.....	14	90 138	13	148	3,832.06	294.77
Fibula, involving knee.....	6	31	6	31	348.90	58.15
Tibia and fibula, involving knee.....	2	145	2	145	524.48	262.24
Tibia, n. o. c.....	47	205 102	44	108	9,687.71	220.18
Fibula, n. o. c.....	37	98 66	36	65	4,399.71	122.21
Tibia and fibula, n. o. c.....	75	298 174	65	189	24,380.24	375.08
Tibia, involving ankle.....	18	86	15	93	2,530.11	168.67
Fibula, involving ankle.....	54	41 75	51	78	7,887.96	154.67
Tibia and fibula, involving ankle.....	50	129	46	136	12,414.00	269.87
Ankle, involved bone not specified.....	1	10				
Tarsals.....	32	165 89	27	100	5,231.96	193.78
Metatarsals.....	156	57	132	62	15,428.72	116.88
Oscals.....	25	678 129	23	137	6,382.97	277.52
Great toe, n. o. c.....	53	47 28	44	29	2,398.80	54.51
Great toe, one phalanx.....	111	58 26	98	31	5,550.59	56.64
Great toe, more than one phalanx.....	1	112	1	112	409.51	234.76
Lesser toe, n. o. c.....	28	43 25	21	29	1,079.45	51.40
Lesser toe, one phalanx.....	41	77 29	38	30	2,086.31	54.90
Lesser toe, more than one phalanx.....	1	27	1	27	51.11	51.11
Great toe and lesser toe or toes.....	17	36	16	38	1,111.08	69.44
Two or more lesser toes.....	16	36	14	39	869.65	62.12
Malleolus.....	53	94	51	97	9,086.16	178.16
Total.....	2,130		1,766		231,617.55	



## 74 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## FRACTURES—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
PERMANENT PARTIAL DISABILITIES.							
Skull.....	1	61	1	61	\$126.68	\$126.68	.....
Vertebrae, n. o. c.....	1	558	1	558	960.45	960.45	\$960.45
Vertebrae, cervical.....	2	374	2	374	a 4,916.57	2,458.29	.....
Vertebrae, lumbar.....	2	578	2	578	2,551.79	1,275.90	.....
Pelvis, n. o. c.....	1	441	1	441	b 2,359.08	2,359.08	.....
Scapula.....	1	235	1	235	511.13	511.13	.....
Clavicle, right.....	1	170	1	170	366.68	366.68	.....
Clavicle, left.....	1	438	1	438	726.00	726.00	.....
Humerus, surgical neck of, right.....	2	65	2	106	220.00	220.00	.....
Humerus, shaft.....	2	202	2	202	866.73	433.37	.....
Humerus, involving elbow.....	2	178	2	178	546.24	273.12	.....
Forearm, left, n. s.....	1	203	1	203	440.07	440.07	.....
Radius and ulna, left.....	1	67	1	67	140.01	140.01	.....
Radius and ulna, involving elbow, right.....	1	557	1	557	c 5,492.59	5,492.59	.....
Radius, involving wrist, right.....	1	730	1	730	1,432.00	1,432.00	.....
Radius and ulna, involving wrist, right.....	1	4	4	231	1,776.93	444.23	743.73
Radius and ulna, involving wrist, left.....	1	94	1	94	186.68	186.68	.....
Metacarpal, one, right.....	1	66	1	66	67.77	67.77	.....
Metacarpal, more than one, left.....	1	151	2	131	530.05	265.03	306.70
Thumb, n. o. c., right.....	1	40	1	40	77.78	77.78	77.78
Thumb, n. o. c., left.....	1	200	1	200	364.48	364.48	364.48
Index finger, distal phalanx, right.....	1	27	1	27	51.11	51.11	.....
Index finger, distal phalanx, left.....	1	175	1	175	377.80	377.80	377.80
Index finger, middle phalanx, left.....	1	53	1	53	72.80	72.80	72.80
Index finger, proximal phalanx, right.....	3	25	2	21	66.68	33.34	.....
Index finger, proximal phalanx, left.....	1	72	1	72	128.89	128.89	.....
Middle finger, n. o. c., right.....	1	44	1	44	70.20	70.20	.....
Middle finger, distal phalanx, right.....	2	32	2	32	110.95	55.48	.....
Middle finger, distal phalanx, left.....	1	31	1	31	64.45	64.45	.....
Middle finger, middle phalanx, right.....	1	44	1	44	88.89	88.89	88.89
Middle finger, middle phalanx, left.....	1	37	1	37	73.34	73.34	.....
Middle finger, proximal phalanx, right.....	1	24	1	24	37.78	37.78	.....
Ring finger, proximal phalanx, left.....	1	35	1	35	33.34	33.34	.....
Little finger, n. o. c., right.....	1	27	1	27	51.11	51.11	.....
Little finger, middle phalanx, left.....	1	152	1	152	d 782.25	782.25	.....
Two fingers, proximal phalanx, left.....	1	55	1	55	78.33	78.33	78.33
Two fingers, right.....	1	392	1	392	e 2,396.78	2,396.78	.....
Femur, n. o. c.....	1	17	16	447	f 41,162.92	2,572.68	7,213.23
Femur, surgical neck of.....	2	5	5	363	3,807.93	761.59	.....
Patella.....	2	414	3	471	g 7,564.57	2,521.52	871.20
Leg, n. s.....	1	4	4	186	1,408.70	352.18	524.19
Tibia, n. o. c.....	1	180	1	180	384.83	384.83	.....
Tibia, involving knee.....	1	73	1	73	66.67	66.67	.....
Tibia, involving ankle.....	2	325	2	325	h 2,510.91	1,255.46	.....
Tibia and fibula, n. o. c.....	3	14	14	566	i 21,339.59	1,524.26	2,129.06
Tibia and fibula, involving knee.....	1	197	1	197	829.66	829.66	.....
Tibia and fibula, involving ankle.....	1	8	7	310	3,803.71	543.39	900.61
Foot, n. s.....	1	1,178	1	1,178	k 6,122.62	6,122.62	.....
Foot, n. s.....	1	253	1	253	542.28	542.28	.....
Tarsals.....	1	128	1	128	275.58	275.58	.....

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 25 per cent disability, \$4,732.11.

b One case lump-sum settlement, 10 per cent disability, \$2,359.08.

c One case lump-sum settlement, 20 per cent disability, \$5,492.59.

d One case lump-sum settlement, 5 per cent disability, \$782.25.

e One case lump-sum settlement, 20 per cent disability, \$2,396.78.

f One case lump-sum settlement, 50 per cent disability, \$7,213.23; one case lump-sum settlement, 25 per cent disability, \$3,419.54; one case lump-sum settlement, 20 per cent disability, \$3,955.92; one case lump-sum settlement, 40 per cent disability, \$5,566.97; one case lump-sum settlement, 50 per cent disability, \$7,813.86.

g One case lump-sum settlement, 33 1/3 per cent disability, \$5,822.17.

h One case lump-sum settlement, 7 1/2 per cent disability, \$2,116.22.

i One case lump-sum settlement, 30 per cent disability, \$4,226.94; one case lump-sum settlement, 15 per cent disability, \$1,728.12; one case lump-sum settlement, 30 per cent disability, \$5,198.82.

j One case lump-sum settlement, 3 per cent disability, \$829.66.

k One case lump-sum settlement, 60 per cent disability, \$6,122.62.



TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## FRACTURES—continued.

Member.	All cases.		Compensated cases.					
	Num-ber.	Average days' dura-tion.	Num-ber.	Average days' dura-tion.	Award.	Average award.	Average award in cases with infection.	
PERMANENT PARTIAL DISABILITIES—continued.								
Oscalcis .....	1	4	698	535	4	\$8,081.20	\$2,020.30	\$5,037.71
Metatarsals .....	1	1		160	1	344.45	344.45	
Lesser toe, n. o. c. ....	1	1	91	91	1	191.13	191.13	191.13
Lesser toe, one phalanx .....	1	1		41	1	84.45	84.45	
Lesser toe, more than one phalanx...	1	3	484	271	3	1,731.27	577.09	1,024.53
Two or more lesser toes .....	2	2		371	2	7,596.11	3,798.06	
Multiple fractures.....								
Total.....	20	121		116		136,992.99		

## AMPUTATIONS (TRAUMATIC).

PERMANENT PARTIAL DISABILITIES.									
Ear, external.....	1	28							
Forearm, right.....	2	207	2	207	c \$4,663.96	\$2,331.98			
Thumb, distal phalanx, right.....	6	31	6	31	344.75	57.46			
Thumb, distal phalanx, left.....	1	10	34	36	40	61.39			\$60.00
Thumb, proximal phalanx, right.....	1	1	391	1	391	d 3,993.23	3,993.23		
Thumb, proximal phalanx, left.....	2	163	2	163	299.91	149.96			
Index finger, n. o. c., right.....	1	8							
Index finger, distal phalanx, right.....	1	9	15	28	6	33	326.69	54.65	20.00
Index finger, distal phalanx, left.....	1	15	67	30	12	35	797.96	66.50	103.33
Index finger, middle phalanx, left.....	6	156	5	181	1,701.45	340.29			
Index finger, proximal phalanx, left.....	2	32	2	32	111.03	55.52			
Middle finger, n. o. c., right.....	1	10	1	10	15.56	15.56			
Middle finger, distal phalanx, right.....	13	22	9	24	388.71	43.19			
Middle finger, distal phalanx, left.....	1	11	191	36	7	53	766.71	109.53	408.91
Middle finger, middle phalanx, right.....	2	81	1	156	335.58	335.58			
Middle finger, middle phalanx, left.....	1	11	1	11	17.78	17.78			
Ring finger, n. o. c., left.....	1	2							
Ring finger, distal phalanx, right.....	2	8	91	61	8	61	791.16	98.90	87.78
Ring finger, distal phalanx, left.....	14	21	9	27	428.90	47.64			
Ring finger, middle phalanx, left.....	1	41	1	41	82.23	82.23			
Ring finger, proximal phalanx, right.....	1	20	1	20	24.45	24.45			
Little finger, distal phalanx, right.....	4	35	3	45	262.94	87.65			
Little finger, distal phalanx, left.....	1	9	54	25	5	33	318.90	63.78	106.68
Little finger, middle phalanx, right.....	3	64	3	64	406.71	135.57			
Little finger, middle phalanx, left.....	1	55	1	55	104.45	104.45			
Little finger, proximal phalanx, right.....	2	79	2	79	305.78	152.89			
Thumb and one finger, right.....	4	41	2	61	248.92	124.46			
Thumb and one finger, left.....	1	1							
Thumb and two or more fingers, left.....	2	70	2	70	281.25	140.64			
Two fingers, right.....	9	53	7	64	909.14	129.88			
Two fingers, left.....	9	44	8	46	714.36	89.30			
Three fingers, right.....	6	111	6	111	e 7,752.29	1,292.05			
Three fingers, left.....	1	34	1	34	68.89	68.89			
Four fingers, right.....	1	148	1	148	291.61	291.61			
Four fingers, left.....	1	108	1	108	217.81	217.81			
Leg.....	1	444	1	444	f 5,853.21	5,853.21			
Foot, n. o. c.....	2	353	2	353	g 8,382.79	4,191.40			
Great toe, n. o. c.....	1	41	1	41	80.00	80.00			
Lesser toe, n. o. c.....	1	5	21	27	248.02	49.60			40.00
Lesser toe, more than one phalanx.....	1	24	1	24	46.67	46.67			
Great toe and lesser toe or toes.....	2	110	2	110	456.29	228.15			
Total.....	8	173		136		42,531.26			

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 25 per cent disability, \$5,037.71.

b One case lump-sum settlement, 40 per cent disability, \$7,340.54.

c One case lump-sum settlement, 40 per cent disability, \$4,213.08.

d One case lump-sum settlement, 30 per cent disability, \$3,993.23.

e One case lump-sum settlement, 50 per cent disability, \$6,879.50.

f One case lump-sum settlement, 40 per cent disability, \$5,853.21.

g One case lump-sum settlement, 30 per cent disability, \$5,321.42; one case lump-sum settlement, 20 per cent disability, \$3,061.37.

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TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## PUNCTURES.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
TEMPORARY TOTAL DISABILITIES.							
Eye.....	10	14	4	27	\$174.73	\$43.68	.....
Ear, external.....	1	17	1	17	31.11	31.11	.....
Forehead.....	2	9	1	9	4.44	4.44	.....
Nose.....	1	2					.....
Cheek.....	1	16					.....
Lips or chin.....	1	4	3	14	60.36	20.12	\$47.78
Face.....	1	36	1	36	71.11	71.11	.....
Neck.....	2	1					.....
Thorax, anterior.....	4	46	2	59	45.56	22.78	.....
Thorax, lateral.....	1	30	1	30	4.44	4.44	.....
Thorax, posterior.....	1	17	1	17	25.67	25.67	.....
Abdominal wall.....	1	2	2	27	104.78	52.39	7.00
Abdominal wall and viscera.....	1	1	1	136	288.90	288.90	.....
Perineum.....	1	1	1	17	31.11	31.11	31.11
Buttocks.....	4	31	1	48	84.45	84.45	28.15
Shoulder.....	5	25	3	22	213.78	71.26	.....
Arm, upper.....	1	5					.....
Elbow.....	1	25	1	25	46.67	46.67	46.67
Forearm.....	11	21	12	18	349.70	29.14	16.67
Wrist.....	5	9	3	25	120.01	40.00	16.81
Arm, n. o. c.....	16	3	1	17	28.89	28.89	.....
Hand, n. o. c.....	16	35	13	28	723.92	55.69	.....
Palm.....	26	63	41	21	1,449.04	35.34	36.11
Back of.....	7	18	10	18	236.81	23.68	14.20
Thumb, n. o. c.....	17	30	15	37	985.11	65.67	51.58
Thumb, distal phalanx.....	3	11	5	14	112.71	22.54	4.44
Thumb, proximal phalanx.....	1	2					.....
Index finger, n. o. c.....	16	29	16	16	418.15	26.13	21.11
Index finger, distal phalanx.....	7	8	7	23	255.58	36.51	36.51
Index finger, proximal phalanx.....	5	6	4	10	62.23	15.56	8.89
Middle finger, n. o. c.....	13	24	13	32	656.17	50.47	36.93
Middle finger, distal phalanx.....	6	11	6	39	414.26	69.04	65.34
Middle finger, middle phalanx.....	1	3	1	53	106.68	106.68	106.68
Middle finger, proximal phalanx.....	4	5	5	15	122.23	24.45	25.00
Ring finger, n. o. c.....	14	20	14	30	819.70	58.55	51.34
Ring finger, distal phalanx.....	3	7	3	16	74.60	24.87	18.67
Ring finger, proximal phalanx.....	4	5	4	18	106.67	26.67	14.45
Little finger, n. o. c.....	12	15	8	65	917.19	114.65	76.43
Little finger, distal phalanx.....	2	2					.....
Little finger, proximal phalanx.....	3	3	2	26	91.11	45.56	30.37
Two fingers.....	1	1	1	32	64.45	64.45	64.45
Thumb and one finger.....	1	1					.....
Finger, n. o. c.....	1	1					.....
Hip.....	2	12	1	20	37.78	37.78	.....
Thigh.....	5	16	12	25	531.19	44.27	22.23
Knee.....	5	18	13	15	310.79	23.91	22.67
Leg.....	6	20	13	22	494.48	38.04	44.26
Ankle.....	2	4	2	15	47.41	23.71	9.26
Foot, n. o. c.....	5	20	10	27	475.57	47.56	79.61
Foot, sole of.....	48	310	138	14	2,622.54	19.00	28.85
Foot, top of.....	4	11	10	12	137.87	13.79	9.58
Heel.....	2	6	3	15	75.56	25.19	28.89
Great toe, n. o. c.....	4	14	6	13	125.61	20.94	24.67
Lesser toe, n. s.....	2	2	2	60	244.36	122.18	122.18
Two or more lesser toes.....	2	15					.....
Multiple punctures.....	1	147	1	147	311.13	311.13	.....
Total.....	267	802	418		14,716.61		.....
PERMANENT PARTIAL DISABILITIES.							
Eye.....	2	8	8	85	1,140.72	142.59	34.45
Hand, n. o. c.....	1	1	1	573	4,747.49	4,747.49	4,747.49
Index finger, n. o. c., left.....	1	1	1	225	488.92	488.92	488.92
Index finger, proximal phalanx, right.....	1	1	1	107	226.68	226.68	226.68
Index finger, proximal phalanx, left.....	1	1	1	77	96.03	96.03	96.03
Middle finger, distal phalanx, right.....	1	1	1	122	228.91	228.91	228.91
Middle finger, middle phalanx, right.....	1	1	1	66	96.29	96.29	96.29

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 35 per cent disability, \$4,747.49.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## FUNCTURES—continued.

Member.	All cases.		Compensated cases.				
	Num-ber.	Aver-age days' dura-tion.	Num-ber.	Aver-age days' dura-tion.	Award.	Average award.	Average award in cases with in-fec-tion.
PERMANENT PARTIAL DISABILITIES—continued.							
Ring finger, distal phalanx, right....	1 1	98 95	1	95	\$38.33	\$38.33	\$38.33
Little finger, proximal phalanx, right.	1 1	188 183	1	183	1,004.01	1,004.01	1,004.01
Three fingers, left.....	1 1	168 168	1	168	366.79	366.79	366.79
Total.....	11 17	.....	17	.....	8,434.17	.....	.....

## SPRAINS AND STRAINS.

TEMPORARY TOTAL DISABILITIES.							
Eye.....	2	23	1	38	\$75.56	\$75.56	.....
Neck.....	1 17	29 15	13 18	18	393.44	30.26	\$53.34
Thorax, n. o. c.....	5	9	1	15	22.22	22.22	.....
Thorax, anterior.....	25	16	18	19	533.06	29.61	.....
Thorax, lateral.....	52	13	24	21	781.43	32.56	.....
Thorax, posterior, upper.....	9	29	7	36	493.36	70.48	.....
Thorax, posterior, lumbar.....	734	17	410	23	15,929.43	38.85	.....
Abdominal wall.....	33	14	16	20	503.75	31.48	.....
Abdominal viscera.....	4	28	4	28	219.80	54.95	.....
Groin.....	1 103	14 14	40	25	1,657.05	41.43	24.45
Sacrum or coccyx region.....	1	1	.....	.....	.....	.....	.....
Pelvic region, n. o. c.....	3	28	2	42	151.46	75.73	.....
Anus, rectum, or perineum.....	1	18	1	18	31.11	31.11	.....
Spermatic cord.....	3	14	1	14	24.45	24.45	.....
Producing hernia, inguinal.....	7 499	138 57	418	63	50,453.71	120.70	273.04
Producing hernia, post operative.....	6	113	6	113	1,404.23	234.04	.....
Producing hernia, other.....	17	82	14	95	2,682.40	191.60	.....
Pre-existing hernia.....	2	49	1	62	131.12	131.12	.....
Sacro iliac joint.....	89	43	75	50	7,173.53	95.65	.....
Shoulder, general.....	147	22	87	29	4,495.76	51.68	.....
Arm, n. o. c.....	41	12	20	14	397.33	19.87	.....
Elbow.....	27	17	12	28	629.07	52.42	.....
Forearm.....	25	11	17	14	323.53	19.03	.....
Wrist.....	300	17	176	24	7,735.42	43.95	.....
Arms, or one arm and one hand.....	1	3	.....	.....	.....	.....	.....
Arm and leg.....	1	5	.....	.....	.....	.....	.....
Hand, n. o. c.....	48	9	20	14	422.55	21.13	.....
Hands.....	1	3	.....	.....	.....	.....	.....
Thumb, n. o. c.....	23	9	10	14	210.48	21.05	.....
Thumb, distal phalanx.....	1	73	1	73	153.07	153.07	.....
Index finger, n. o. c.....	3	6	1	13	22.22	22.22	.....
Middle finger, n. o. c.....	3	8	1	16	11.11	11.11	.....
Ring finger, n. o. c.....	2	3	.....	.....	.....	.....	.....
Little finger, n. o. c.....	4	10	2	15	51.12	25.56	.....
Thumb and two or more fingers.....	1	32	1	32	60.00	60.00	.....
Two fingers.....	2	20	2	20	77.79	38.90	.....
Three fingers.....	2	19	1	35	62.23	62.23	.....
Hip.....	1 50	561 26	29	39	2,102.35	72.49	1,100.00
Thigh.....	2 25	75 20	16	27	804.27	50.27	158.90
Knee.....	235	25	151	32	9,035.62	59.84	.....
Leg.....	67	16	35	24	1,514.43	43.27	.....
Ankle.....	1 684	34 18	432	24	18,312.90	42.39	57.78
Foot, n. o. c.....	1 91	23 19	56	26	2,562.58	45.76	.....
Feet.....	1	31	.....	.....	.....	.....	.....
Great toe, n. o. c.....	5	6	2	9	20.00	10.00	.....
Lesser toe, n. o. c.....	1	18	1	18	8.89	8.89	.....
Two or more lesser toes.....	1	6	.....	.....	.....	.....	.....
Great toe and lesser toe.....	1	35	1	35	68.89	68.89	.....
Multiple sprains and strains.....	7	25	4	36	265.78	66.45	.....
Total.....	14 3,405	.....	2,130	.....	132,008.50	.....	.....

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 5 per cent disability, \$1,004.01.

# 78 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## SPRAINS AND STRAINS—continued.

Member.	All cases.		Compensated cases.				
	Number.	Average days' duration.	Number.	Average days' duration.	Award.	Average award.	Average award in cases with infection.
PERMANENT PARTIAL DISABILITIES.							
Eyes.....	2	105	1	209	<sup>a</sup> \$7,543.94	\$7,543.84	.....
Thorax, rear, lumbar.....	6	292	6	292	<sup>b</sup> 6,142.25	1,023.71	.....
Sacro iliac joint.....	1	183	1	183	376.68	376.68	.....
Shoulder, left.....	3	731	3	731	4,759.50	1,586.50	.....
Upper arm, right.....	1	254	1	254	546.69	546.69	.....
Knee.....	3	136	3	136	748.97	249.66	.....
Leg.....	1	516	1	516	634.26	634.26	\$634.26
Ankle.....	1	387	1	387	332.94	332.94	.....
Total.....	18	.....	17	.....	21,085.23	.....	.....

## MISCELLANEOUS.

TEMPORARY TOTAL DISABILITIES.									
Eye.....	2	5	40	21	3	29	\$165.57	\$55.19	\$78.34
Eyelid.....	1	1	3	3					
Foreign body in eye.....	46	420	14	90	162	17	4,488.04	27.70	18.63
Ear, inner.....	1	1	63	63	1	63	73.34	73.34	73.34
Face, n. o. c.....	1	1	7	7	1	7	8.89	8.89	8.89
Two or more parts of face and neck.....	1	1	26	26					
Thoracic organs, internal.....		2	41	41					
Urethra.....		1	18	18					
Arm, upper.....		1	10	10					
Forearm.....	3	3	11	11	3	11	55.56	18.52	18.52
Wrist.....	3	3	16	16	3	16	66.67	22.22	22.22
Arm, n. o. c.....	1	2	24	24	1	45	78.72	78.72	
Arms.....	1	1	5	5	1	5	4.44	4.44	4.44
Hand, n. o. c.....	1	1	8	8	1	8	11.11	11.11	11.11
Palm.....		1	21	21					
Hands.....	12	15	14	18	11	24	398.42	36.22	23.65
Thumb, n. o. c.....		1	8	8	1	8	11.11	11.11	11.11
Thumb, distal phalanx.....	1	1	28	28	1	28	53.34	53.34	53.34
Index finger, n. o. c.....	2	2	8	8	1	12	20.00	20.00	20.00
Middle finger, n. o. c.....	1	2	4	4					
Ring finger, n. o. c.....	1	1	5	5	1	5	4.44	4.44	4.44
Ring finger, proximal phalanx.....	1	1	4	4	1	4	2.22	2.22	2.22
Two fingers.....		1	4	4					
Three fingers.....		1	11	11	1	11	17.78	17.78	
Knee.....	1	2	17	16	1	17	31.11	31.11	31.11
Ankle.....	1	1	6	5	1	5	4.44	4.44	4.44
Foot, n. o. c.....	1	5	14	19	2	31	124.46	62.23	24.45
Foot, sole of.....		1	23	23	1	23	33.78	33.78	
Feet.....	1	2	67	42	1	67	124.46	124.46	124.46
Lesser toe, n. o. c.....	1	1	21	21					
Great toe and lesser toe.....		1	1	1					
Broken arch.....	2	2	32	32	2	32	106.67	53.34	
Floating kidney.....	2	2	71	71	2	71	293.35	146.68	
General collapse.....	3	3	10	2	2	13	44.45	22.23	
Heat prostration.....	9	9	9	9	3	19	60.69	20.23	
Vaccination.....	2	40	100	14	21	11	317.81	15.13	23.34
Shock.....	22	22	32	12	52	52	1,155.61	96.30	
Poison, ptomaine.....		1	4	1	1	4	2.00	2.00	
Poison, n. o. c.....		8	18	2	57	228.92	114.46		
Poison, lead.....		14	81	12	92	2,324.34	193.70		
Dermatitis, hands only.....	1	23	18	19	21	533.28	28.07	13.33	
Dermatitis, other than hands.....		18	51	16	5	21	183.99	36.80	100.01
Bursitis.....	1	18	75	41	14	48	1,233.84	88.13	160.01
Conjunctivitis.....		17	6	6	12	105.75	17.63		
Endocarditis.....		1	174	1	174	362.25	362.25		
Bronchitis.....		3	318	3	318	1,986.40	662.13		
Cardiac enlargement.....		3	224	2	64	271.03	135.52		
Asphyxiation.....	31	6	9	12	12	150.21	16.69		
Diarrhea.....	1	1	38	1	38	75.56	75.56		

Amount of award, including lump-sum settlement, as follows:

<sup>a</sup> One case lump-sum settlement, 50 per cent disability, \$7,543.94.

<sup>b</sup> One case lump-sum settlement, 20 per cent disability, \$3,946.42.



TABLE 9.—NATURE OF INJURY, WITH RESULTING DISABILITY, CALENDAR YEAR 1920—Continued.

## MISCELLANEOUS—continued.

Member.	All cases.		Compensated cases.			
	Num-ber.	Aver- age days' dura- tion.	Num-ber.	Aver- age days' dura- tion.	Award.	Average award in cases with in- fection.
TEMPORARY TOTAL DISABILITIES—CON.						
Hemorrhoids.....	1	42				
Influenza.....	3	15	1	12	\$20.00	\$20.00
Malarial fever.....	21	6	1	12	9.00	9.00
Neuritis.....	3	62	3	62	377.79	125.93
Neurasthenia.....	1	119	1	119	106.67	106.67
Orchitis.....	15	17	9	21	333.34	37.04
Pleurisy.....	2	19	1	17	24.45	24.45
Pneumonia.....	6	62	6	62	644.92	107.49
Pulmonary tuberculosis.....	10	44	3	148	788.91	262.97
Rheumatism.....	5	29	5	29	165.56	33.11
Tetanus.....	1	44	1	44	91.12	91.12
Typhoid fever.....	4	62	4	62	381.80	95.45
Nervous prostration.....	1	824	1	824	1,823.21	1,823.21
Multiple miscellaneous injuries.....	1	14	4	25	176.63	44.16
Total.....	91	775	356		20,157.45	
Grand total.....	15,663		9,424		610,137.40	
PERMANENT PARTIAL DISABILITIES.						
Eye.....	1	1	1	37		
Ear, inner.....	1	154				
Foreign body in eye.....	4	10	119	114	4,513.18	451.32
Middle finger, n. o. c., left.....	1	86				
Foot, n. o. c.....	1	1	217	217	468.91	468.91
Broken arch.....	1	220	1	220	255.58	255.58
Paralysis.....	2	98	1	196	411.14	411.14
Total.....	6	17	13		5,648.81	
Grand total.....	111	535	471		304,835.79	

Amount of award, including lump-sum settlement, as follows:

a One case lump-sum settlement, 25 per cent disability, \$2,840.10.

Table 10 is a summary of the facts shown in detail in Table 9. It shows cases by nature of injury, giving separately the award in all cases and in cases in which infection occurred. Separation is made according to whether the disability was temporary or permanent as in Table 9.



## 80 UNITED STATES EMPLOYEES' COMPENSATION COMMISSION.

TABLE 10.—SUMMARY OF ACCIDENTS, BY NATURE OF INJURY IN NONFATAL CASES, SHOWING THE RESULTS IN CASES WITH INFECTION, CALENDAR YEAR 1920.

Nature of injury.	All cases.		Cases in which infection occurred.			
	Num- ber.	Award.	Num- ber.	Award.	Per cent of cases, by nature of injury.	Per cent of awards for in- fections to total awards.
Bruises:						
Temporary total disabilities.....	5,368	\$125,829.41	512	\$24,440.39	.....	.....
Permanent partial disabilities.....	79	44,247.48	29	18,181.75	.....	.....
Total bruises.....	5,447	170,076.89	541	42,622.14	9.93	3.34
Burns and scalds:						
Temporary total disabilities.....	638	18,270.84	38	3,226.64	.....	.....
Permanent partial disabilities.....	8	2,507.70	4	1,105.17	.....	.....
Total burns and scalds.....	646	20,778.54	42	4,331.81	6.50	0.26
Concussions:						
Temporary total disabilities.....	34	2,873.86	.....	.....	.....	.....
Permanent partial disabilities.....	2	2,057.87	.....	.....	.....	.....
Total concussions.....	36	4,931.73	.....	.....	.....	.....
Cuts and lacerations:						
Temporary total disabilities.....	2,301	52,079.79	268	12,614.58	.....	.....
Permanent partial disabilities.....	94	24,031.88	32	15,345.52	.....	.....
Total cuts and lacerations.....	2,395	76,111.67	300	27,960.10	12.53	1.85
Amputations (traumatic).....	173	42,531.26	8	914.48	4.62	0.05
Dislocations:						
Temporary total disabilities.....	210	12,583.39	.....	.....	.....	.....
Permanent partial disabilities.....	6	17,298.40	.....	.....	.....	.....
Total dislocations.....	216	29,881.79	.....	.....	.....	.....
Fractures:						
Temporary total disabilities.....	2,130	231,617.55	36	12,157.53	.....	.....
Permanent partial disabilities.....	121	136,992.99	20	26,091.94	.....	.....
Total fractures.....	2,251	368,610.54	56	38,249.47	2.49	0.35
Punctures:						
Temporary total disabilities.....	802	14,716.61	267	9,374.80	.....	.....
Permanent partial disabilities.....	17	8,434.17	11	7,362.34	.....	.....
Total punctures.....	819	23,150.78	278	16,737.14	33.94	1.72
Sprains and strains:						
Temporary total disabilities.....	3,405	132,003.50	14	3,464.66	.....	.....
Permanent partial disabilities.....	18	21,085.23	1	634.26	.....	.....
Total sprains and strains.....	3,423	153,093.73	15	4,098.92	0.44	0.09
Miscellaneous:						
Temporary total disabilities.....	775	20,157.45	91	2,074.54	.....	.....
Permanent partial disabilities.....	17	5,648.81	6	3,684.59	.....	.....
Total miscellaneous.....	792	25,806.26	97	5,759.13	12.25	0.59
Grand total.....	16,198	914,973.19	1,337	140,673.19	8.25	8.25

## PERMANENT TOTAL DISABILITIES.

In the third annual report, 18 cases of "Permanent total disability" were listed, while in the fourth annual report there were 30. Of these cases a total of 5 in this short space of time have ceased to be total disability cases for the following reasons:

## FROM THE 3RD ANNUAL REPORT.

Claim No. 10034, railway postal clerk, age 38, injured May 21, 1917, train derailed, workman thrown against paper rack. Scalp wounds and injury to neck and spine, resulting in paralysis of arms and legs. This was a "third-party case," and has been dropped from the rolls because claimant brought action against the third party, receiving a verdict of \$50,000.

Claim No. 10737, rural letter carrier, age 31, injured July 19, 1917, by falling from a horse when the horse broke through a bridge. Fracture of vertebrae, resulting in paralysis (sacro-iliac relaxation). This man improved so much that the doctor stated that he could do light work and no treatment was necessary. Claimant returned to work and filed no further claim for compensation.

## FROM THE 4TH ANNUAL REPORT.

Claim No. 4607, laborer, age 39, injured March 19, 1917. Slipped and fell from staging while swinging sledge. Fracture of both os calcis, resulting in broken arches, feet deformed and weak. This case has been closed by lump-sum settlement, making award for 60 per cent disability, amounting to \$4,448.45. Added to the compensation already paid previous to the lump-sum award, this makes a total amount of \$6,013.24. In addition to this, medical payments were made amounting to \$281.91, making the total cost to the commission in this case \$6,295.15.

Claim No. 47123, painter, age 48, injured November 7, 1918, overtaxation and vibration from scaling machine. Traumatic neuritis to right arm, resulting in progressive muscular atrophy (paralysis). Died June 18, 1920.

Claim No. 56867, molder, injured November 11, 1918. Pulmonary tuberculosis from exposure to dampness and cold, resulting in death July 30, 1920.

One of the perplexing questions for decision is that of permanent total disability cases. In many instances the personal equation has a great deal to do with determining the outcome of these cases. Some men are completely handicapped by an injury, which to another man would be made of little consequence.

A considerable number of permanent total disability cases are such largely because of the age of the injured, the employee not being able to overcome the results of the injury, or to submit to the proper medical or surgical attention.

The American Experience Table is not a proper basis upon which to value cases of this type, but in the absence of a more suitable basis this one has been used.

TABLE 11.—NATURE OF DISABILITY, AMOUNT OF AWARDS, AND ESTIMATED VALUATIONS IN PERMANENT TOTAL DISABILITIES.

Case number.	Age.	Date of injury.	Cause of injury.	Nature of disability.	Resulting from—	Occupation.	Medical expenses.	Monthly wage.	Monthly compensation.	Compensation paid to Dec. 31, 1920.	Estimated valuation.
<b>AGRICULTURE.</b>											
62594	54	Oct. 14, 1919	Blasting; premature explosion while lighting fuse.	Loss of left forearm, loss of left eye, and vision in right practically nil.	Forearm and both eyes injured.	Laborer.....	\$601.95	\$120.00	\$66.67	\$964.53	\$9,669.28
40439	72	Sept. 23, 1918	Fall, slipped on freshly washed linoleum.	Loss of use of both legs (senility).	Simple comminuted fracture of neck of left femur. Fell while under treatment, fracturing right femur.	Clerk.....	6,155.22	116.67	66.67	1,784.55	4,914.65
Total Agriculture.....							6,757.17	236.67	133.34	2,749.08	14,583.93
<b>COMMERCE.</b>											
24891	68	May 21, 1918	Fall, 6 feet, striking on rocks.	Heart hypertrophied; arteries sclerotic; hernia.	Fracture of left clavicle and three ribs; internal injuries.	Skilled laborer.	102.91	114.00	66.67	2,085.49	5,928.30
44573	63	Feb. 13, 1919	Coat sleeve caught in steam winch.	Total loss of use right hand and forearm.	Compound fracture of ulna and radius; extensor tendons of right forearm severed.	Seaman.....	41.15	96.00	64.00	1,437.87	6,979.58
Total Commerce.....							144.06	210.00	130.67	3,523.36	12,907.88
<b>INTERIOR.</b>											
34867	72	July 24, 1918	Fell, striking on iron pin driven in ground.	Stricture of urethra; great difficulty to pass urine (senility).	Bruise of scrotum, perineum, etc.	Cook.....	4,118.62	75.00	50.00	1,291.67	3,685.80
Total Interior.....							4,118.62	75.00	50.00	1,291.67	3,685.80
<b>LABOR.</b>											
75695	53	Prior to Apr. 30, 1919.	Physical collapse from overstrain and worry over report.	Chronic myocarditis, atheroma of the aorta, and coronary sclerosis.	Complete physical breakdown.	Expert, Bureau of Labor Statistics.	.....	150.00	66.67	1,326.74	9,922.10
Total Labor.....							.....	150.00	66.67	1,326.74	9,922.10
<b>NAVY.</b>											
<b>Yards.</b>											
48635	71	Jan. 18, 1919	Lifting a chuck.....	Left inguinal hernia; inoperable on account of age (senility).	Strain in groin.....	Machinist helper.	.....	129.60	66.67	1,275.65	5,161.06

8760	57	July 9, 1917	Explosion of powder magazine. Roof of building caved in.	Loss of right leg at middle third of thigh, stump very sensitive and painful (senility).	Compound comminuted fracture of right femur.	Painter helper..	150.50	84.00	56.00	2,352.16	7,466.59
73259	37	June 1, 1919	Exposure to lead fumes...	Complete loss of vision in both eyes.	Optic atrophy.....	Molder helper..	5.00	129.60	66.67	1,008.95	13,222.26
75671	74	Jan. 12, 1920	Frost bite.....	Loss of left leg above knee.	Ulceration of second toe; cellulitis, and gangrene	Laborer.....	100.00	110.40	66.67	560.03	4,435.42
18823	61	Jan. 8, 1918	Tripped and fell on some iron.	Shortening of leg; unable to stand longer than several minutes at a time.	Impacted fracture of hip.	Pipefitter helper.	5.26	86.40	57.60	2,058.94	6,75.905
34201	73	Aug. 20, 1918	Caught foot between 2 switches.	Right ankle stiff; apoplexy; loss of power of right side (senility).	Right ankle, sprain and cut.	Laborer.....	95.00	96.00	64.00	1,525.34	4,485.89
47589	54	Mar. 26, 1919	Nut flew up and struck him in eye.	Loss of sight of left eye; right eye blind.	Intercalary staphyloma of sclera, left eye; eye is aphakic.	Pipefitter.....	10.13	192.00	66.67	1,506.63	9,669.28
Total Navy.....							365.89	828.00	444.28	10,287.70	51,191.45
POST OFFICE.											
10150	71	Feb. 28, 1917	Slipped on ice and fell....	Deformity and limited function of leg; uses crutches; confined to chair most of time.	Intracapsular fracture of head of femur.	Postmaster (I), fourth class.	551.00	22.00	22.00	1,010.54	1,703.06
68317	70	Dec. 8, 1919	Lifting heavy pouches of mail from floor to table.	Left inguinal hernia, right scrotal hernia and a third hernia protruding from right ring; also hypertrophy of heart and myocarditis, aggravated by hernial condition.	Strain in region of groin.	Clerk.....	194.40	125.00	66.67	824.51	5,412.27
32155	65	July 26, 1918	Auto backed up, striking him in right groin.	Hernia, inoperable on account of condition of heart.	Giving away of abdominal wall.	Carrier, collector.	26.91	116.67	66.67	1,361.83	6,728.34
80361	73	July 26, 1920	Passing mail chute, was struck by 200-lb. sack of mail.	Post-traumatic psychosis; general physical condition poor.	Fracture of skull, contusion over left eye, and shock.	Railway postal clerk.	.....	154.17	66.67	297.80	4,673.03
57323	64	Aug. 15, 1919	Cranking automobile, engine backfired.	Ankylosed wrist, rheumatic; condition poor from nerve shock (senility).	Compound colles fracture.	Rural mail carrier.	121.93	137.00	66.67	1,095.74	6,998.75
<sup>1</sup> 73264	43	Dec. 20, 1916	Fall, on ice.....	Paralysis lower extremities.	Injury to spine.....	..do.....	.....	.....	.....	.....	.....
Total Post Office.....							894.24	554.84	288.68	4,590.42	25,515.45

<sup>1</sup> Claim not filed within one year.

TABLE 11.—NATURE OF DISABILITY, AMOUNT OF AWARDS, AND ESTIMATED VALUATIONS IN PERMANENT TOTAL DISABILITIES—Continued.

Case number.	Age.	Date of injury.	Cause of injury.	Nature of disability.	Resulting from—	Occupation.	Medical expenses.	Monthly wage.	Monthly compensation.	Compensation paid to Dec. 31, 1920.	Estimated valuation.
TREASURY.											
74321	51	Apr. 9, 1920	Splinter from mop handle entered index finger, left hand; also infection of foot where shoe rubbed.	Loss of both legs and index finger.	Puncture, index finger, infected; rubbed foot, infected; gangrene.	Janitor.....	\$1,044.91	\$80.00	\$53.33	\$448.03	\$8,330.36
Total Treasury.....							1,044.91	80.00	53.33	448.03	8,330.36
WAR.											
Ordinance.											
39122	40	Oct. 28, 1918	Fall.....	Paresis.....	Fracture at base of skull.	Carpenter.....	88.71	150.00	66.67	1,766.82	12,721.44
48145	27	Apr. 4, 1919	Thrown from horse; fell on head.	Insanity.....	Concussion of brain....	Guard.....	68.90	110.00	66.67	1,384.56	14,545.53
81813	38	Sept. 15, 1920	Explosion of 20 or more nonelectrical caps (dynamite).	Total blindness; mutilation of both hands, with loss of fingers on right hand, and left thumb.	Lacerations and contusions of face, chest, and hands.	Checker.....	602.02	125.00	66.67	228.91	13,061.45
52990	57	Nov. 11, 1918	Slipped and fell, striking head.	Vertigo, chronic; labyrinthitis; arteriosclerosis.	Fractured skull.....	Laborer.....		96.00	64.00	1,646.94	8,533.25
Engineer.											
77995	36	June 21, 1920	Struck by locomotive and run over.	Loss of left leg at lower third, and right leg at knee.	Legs crushed between knee and ankle.	Yardmaster....	1,154.08	160.80	66.67	415.57	13,377.47
Quartermaster.											
2782	75	Jan. 6, 1917	Stepped into pit of boiling water.	Legs stiffened; arteriosclerosis.	Scalds of both lower extremities from ankles nearly to hips.	Laborer.....	65.00	64.50	43.00	2,125.92	2,710.03
25563	51	May 29, 1918	Box fell from truck, striking his side.	Nonunion.....	Fracture of neck of femur, left.	Skilled laborer.	305.50	96.00	64.00	1,981.87	9,997.06
12935	73	July 20, 1917	Lifted ash barrel into cart.	Hernia, inoperable (senility).	Hernia, right inguinal...	Scavenger.....		67.50	45.00	1,639.50	3,154.14
61634	68	Feb. 10, 1919	Mule lunged and threw his weight against workman.	do.....	Hernia, inguinal, indirect, incomplete.	Blacksmith....		103.33	66.67	826.75	5,928.33



Other War.											
57697	75	Mar. 26, 1919	Roof of building he was wrecking fell on him.	Loss of leg at middle thigh.	Fracture, lower third right femur; dislocation of right hip.	Laborer.....	845.58	72.00	48.00	886.40	3,025.15
79575	46	Oct. 20, 1919	Eye strain; overtime work.	Almost total loss of vision in both eyes.	Choroditis. (Died July, 1921.)	Clerk.....		153.33	66.67	528.14	11,554.98
77682	26	Oct. —, 1918	Exposure to elements; practically no fuel available for heating (France).	Both legs paralyzed.....	Acute cardiac trouble; tubercular peritonitis.	Telephone operator.	43.35	148.00	66.67	1,026.72	14,652.73
Total War Department.							3,173.14	1,346.46	730.69	14,458.10	113,261.53
MISCELLANEOUS.											
National Home for Disabled Volunteer Soldiers.											
16378	70	Dec. 31, 1917	Sacks of flour fell from pile striking employee.	Shortening, deformity, and limited use left leg; will use crutches permanently.	Impacted fracture of neck of left femur.	Laborer.....		11.00	11.00	395.27	892.98
Total miscellaneous.								11.00	11.00	395.27	892.98
Grand total.....							16,498.03	3,491.97	1,908.66	39,070.37	240,291.48

DISTRIBUTION OF ACCIDENTS, ACCORDING TO DURATION OF DISABILITY  
AND EXTENT OF PERMANENT DISABILITY.

Table No. 12 shows the distribution according to duration or according to the character of permanent disability of the 65,832 cases which have been closed since the beginning of the Federal Compensation Act, September 7, 1916, to December 31, 1920. The cumulative experience for the third and fourth annual reports is given in the first columns of this table for comparison with the experience on cases closed in 1920. By comparing the different periods we find that the more serious cases have been gradually increasing, as has been predicted.

Up to the end of December 31, 1919, the number of fatal cases per 100,000 was 2,443, while for the year 1920 this number was increased to 2,843, giving the cumulative experience to the end of December 31, 1920, of 2,544 per 100,000. The dismemberments which were increased from 1,954 to 1,987, produced a cumulative experience of 1,963 per 100,000, and the permanent partial disabilities, other than dismemberments, increased from 1,081 to 1,215, with a cumulative experience of 1,116 per 100,000, while permanent total disabilities increased from 98 to 198 per 100,000 with a cumulative experience of 123 per 100,000.

A very small variation is shown in the temporary disabilities as a whole, there being a reduction from 94,424 cases per 100,000 cases for 1919 to 93,757 for 1920, with an average of 94,254 per 100,000 cases covering a period from September 7, 1916, to December 31, 1920. In the temporary disabilities some of those of longer duration would naturally be closed in each succeeding period. Thus an annual tabulation of closed cases shows an increase in the number of injuries of over 28 days' duration with the increasing age of the law. In the third annual report these temporary disabilities of over 28 days' duration amounted to 14.77 per cent. During the year 1919 this number was increased to 19.97 per cent, while the fifth annual report for the year 1920 shows this number to be increased to 21.32 per cent.

TABLE 12.—DISTRIBUTION OF ACCIDENTS, ACCORDING TO DURATION OF DISABILITY AND EXTENT OF PERMANENT DISABILITY.

	Sept. 7, 1916, to Dec. 31, 1919.		1920				Cumulative experience.	
	Number of cases.	Number of cases per 100,000.	Number of cases.	Days' duration.	Award.	Number of cases per 100,000.	Number of cases.	Number of cases per 100,000.
Fatal cases.....	1,200	2,443	475	.....	.....	2,843	1,675	2,544
Dismemberments.....	960	1,954	332	29,693	\$105,449.47	1,987	1,292	1,963
1. Eye.....	43	.....	30	3,160	8,153.78	.....	73	.....
2. Eyes.....	1	.....	1	851	7,038.82	.....	1	.....
3. Ear, external.....	.....	.....	1	28	.....	.....	1	.....
4. Breast.....	1	.....	.....	.....	.....	.....	1	.....
5. Testicles.....	.....	.....	1	230	493.36	.....	1	.....
6. Arm, right.....	↓	.....	.....	.....	.....	.....	1	.....
7. Arm, left.....	3	.....	.....	.....	.....	.....	3	.....
8. Forearm, right.....	1	.....	2	413	4,663.96	.....	3	.....
9. Forearm, left.....	1	.....	1	203	440.07	.....	2	.....
10. Hand, n. o. c., right.....	11	.....	1	373	3,733.81	.....	12	.....
11. Hand, n. o. c., left.....	5	.....	1	733	1,580.10	.....	6	.....
12. Metacarpal, one, left.....	.....	.....	1	1,078	3,336.96	.....	1	.....
13. Thumb, n. o. c., right.....	2	.....	.....	.....	.....	.....	2	.....
14. Thumb, n. o. c., left.....	1	.....	1	67	126.68	.....	2	.....
15. Thumb, distal phalanx, right.....	36	.....	9	347	680.33	.....	45	.....
16. Thumb, distal phalanx, left.....	35	.....	11	393	564.47	.....	46	.....
17. Thumb, proximal phalanx, right.....	13	.....	1	391	3,993.23	.....	14	.....
18. Thumb, proximal phalanx, left.....	6	.....	2	326	299.91	.....	8	.....
19. Index finger, n. o. c., right.....	6	.....	.....	.....	.....	.....	6	.....
20. Index finger, n. o. c., left.....	5	.....	.....	.....	.....	.....	5	.....
21. Index finger, distal phalanx, right.....	81	.....	13	402	586.25	.....	94	.....
22. Index finger, distal phalanx, left.....	57	.....	22	853	1,607.47	.....	79	.....
23. Index finger, middle phalanx, right.....	19	.....	4	205	347.84	.....	23	.....
24. Index finger, middle phalanx, left.....	7	.....	7	989	1,774.25	.....	14	.....
25. Index finger, proximal phalanx, right.....	21	.....	7	419	713.67	.....	28	.....
26. Index finger, proximal phalanx, left.....	17	.....	5	342	663.33	.....	22	.....
27. Middle finger, n. o. c., right.....	1	.....	2	291	285.91	.....	3	.....
28. Middle finger, n. o. c., left.....	3	.....	.....	.....	.....	.....	3	.....
29. Middle finger, distal phalanx, right.....	77	.....	20	601	984.00	.....	97	.....
30. Middle finger, distal phalanx, left.....	60	.....	18	709	1,212.42	.....	78	.....
31. Middle finger, middle phalanx, right.....	13	.....	5	327	520.76	.....	18	.....
32. Middle finger, middle phalanx, left.....	14	.....	3	81	142.24	.....	17	.....
33. Middle finger, proximal phalanx, right.....	8	.....	1	24	37.78	.....	9	.....
34. Middle finger, proximal phalanx, left.....	7	.....	1	113	84.44	.....	8	.....
35. Ring finger, n. o. c., right.....	.....	.....	2	65	131.12	.....	2	.....
36. Ring finger, n. o. c., left.....	1	.....	.....	.....	.....	.....	1	.....
37. Ring finger, distal phalanx, right.....	35	.....	15	784	959.63	.....	50	.....
38. Ring finger, distal phalanx, left.....	27	.....	15	343	526.68	.....	42	.....
39. Ring finger, middle phalanx, right.....	5	.....	.....	.....	.....	.....	5	.....
40. Ring finger, middle phalanx, left.....	6	.....	2	76	82.23	.....	8	.....
41. Ring finger, proximal phalanx, right.....	6	.....	2	342	616.77	.....	8	.....
42. Ring finger, proximal phalanx, left.....	6	.....	3	112	180.71	.....	9	.....
43. Little finger, n. o. c., right.....	1	.....	1	27	51.11	.....	2	.....
44. Little finger, distal phalanx, right.....	31	.....	6	222	349.59	.....	37	.....
45. Little finger, distal phalanx, left.....	31	.....	10	350	593.02	.....	41	.....
46. Little finger, middle phalanx, right.....	11	.....	4	303	579.51	.....	15	.....
47. Little finger, middle phalanx, left.....	8	.....	2	96	164.45	.....	10	.....

TABLE 12.—DISTRIBUTION OF ACCIDENTS, ACCORDING TO DURATION OF DISABILITY AND EXTENT OF PERMANENT DISABILITY—Continued.

	Sept. 7, 1916, to Dec. 31, 1919.		1920				Cumulative experience.	
	Number of cases.	Number of cases per 100,000.	Number of cases.	Days' dura- tion.	Award.	Number of cases per 100,000.	Number of cases.	Number of cases per 100,000.
<b>Dismemberments—Continued.</b>								
48. Little finger, proximal phalanx, right.....	15	.....	3	183	\$325.78	.....	18	.....
49. Little finger, proximal phalanx, left.....	8	.....	1	55	78.33	.....	9	.....
50. Thumb and one finger, right.....	7	.....	5	164	248.92	.....	12	.....
51. Thumb and one finger, left.....	5	.....				.....	5	.....
52. Thumb and two or more fingers, right.....	7	.....	1	106	2,083.49	.....	8	.....
53. Thumb and two or more fingers, left.....	5	.....	2	139	281.28	.....	7	.....
54. Two fingers, right.....	52	.....	12	1,234	2,293.71	.....	64	.....
55. Two fingers, left.....	32	.....	15	816	1,353.10	.....	47	.....
56. Three fingers, right.....	11	.....	9	809	7,915.13	.....	20	.....
57. Three fingers, left.....	6	.....	4	187	327.78	.....	10	.....
58. Four fingers, right.....	8	.....	1	148	291.61	.....	9	.....
59. Four fingers, left.....	6	.....	2	133	253.65	.....	8	.....
60. Thigh.....	5	.....	3	831	12,724.37	.....	8	.....
61. Leg.....	7	.....	15	4,755	14,315.07	.....	22	.....
62. Foot, n. o. c.....	3	.....	4	1,064	9,111.74	.....	7	.....
63. Metatarsals.....	1	.....				.....	1	.....
64. Great toe, n. o. c.....	9	.....	1	41	80.00	.....	10	.....
65. Great toe, one phalanx.....	5	.....				.....	5	.....
66. Great toe, more than one phalanx.....	2	.....	1	115	240.01	.....	3	.....
67. Lesser toe, n. o. c.....	15	.....	4	153	284.46	.....	19	.....
68. Lesser toe, one phalanx.....	4	.....	4	171	330.26	.....	8	.....
69. Lesser toe, more than one phalanx.....	1	.....	3	364	736.19	.....	4	.....
70. Great toe and lesser toe or toes.....	12	.....	3	256	594.08	.....	15	.....
71. Two or more lesser toes.....	11	.....	6	1,270	3,249.65	.....	17	.....
Permanent total disability.....	48	98	33	.....	.....	198	81	123
Permanent partial disability, other than dismemberments.....	532	1,081	203	52,962	\$199,386.32	1,215	735	1,116
1. Brain.....	2	.....	1	716	2,008.98	.....	3	.....
2. Eye.....	99	.....	34	2,562	11,028.55	.....	133	.....
3. Eyes.....	4	.....	2	209	7,543.94	.....	6	.....
4. Foreign substance in eye.....	4	.....	6	457	843.38	.....	6	.....
5. Ear, inner.....	4	.....	2	228	153.48	.....	6	.....
6. Ears, inner.....	1	.....				.....	1	.....
7. Jaw.....	1	.....	1	61	126.68	.....	1	.....
8. Skull.....	3	.....	1	226	475.94	.....	4	.....
9. Head, general.....	1	.....				.....	1	.....
10. Nose.....	1	.....				.....	1	.....
11. Face, n. o. c.....	1	.....				.....	1	.....
12. Two or more parts of face and neck, one not clearly major injury.....	1	.....				.....	1	.....
13. Vertebrae, n. o. c.....	1	.....	2	584	1,009.34	.....	3	.....
14. Vertebrae, cervical.....	1	.....	2	748	4,916.57	.....	2	.....
15. Vertebrae, lumbar.....	1	.....	2	1,155	2,551.79	.....	3	.....
16. Thorax, posterior, lumbar.....	2	.....	6	1,751	6,142.25	.....	8	.....
17. Abdominal viscera.....	1	.....	1	851	1,611.20	.....	1	.....
18. Pelvis, n. o. c.....	1	.....	1	441	2,359.08	.....	4	.....
19. Sacro iliac joint.....	1	.....	1	183	376.68	.....	2	.....
20. Anus, rectum, or perineum.....	1	.....				.....	1	.....
21. Penis.....	1	.....				.....	1	.....
22. Testicles.....	4	.....				.....	4	.....
23. Hernia, inguinal.....	3	.....				.....	3	.....
24. Scapula.....	3	.....	1	235	511.13	.....	4	.....
25. Clavicle.....	4	.....	2	608	1,092.68	.....	6	.....
26. Shoulder joint, right (dislocated).....	6	.....	4	1,325	2,822.61	.....	10	.....
27. Shoulder joint, left (dislocated).....		.....	1	124	266.40	.....	1	.....
28. Shoulder, general, right.....	9	.....				.....	9	.....
29. Shoulder, general, left.....	3	.....	4	2,292	4,893.84	.....	7	.....
30. Arm, right.....	6	.....	3	658	1,413.42	.....	9	.....
31. Arm, left.....	5	.....	2	356	546.24	.....	7	.....

TABLE 12.—DISTRIBUTION OF ACCIDENTS, ACCORDING TO DURATION OF DISABILITY AND EXTENT OF PERMANENT DISABILITY—Continued.

	Sept. 7, 1916, to Dec. 31, 1919		1920				Cumulative experience.	
	Number of cases.	Number of cases per 100,000.	Number of cases.	Days' duration.	Award.	Number of cases per 100,000.	Number of cases.	Number of cases per 100,000.
Permanent partial disability, other than dismemberments— Continued.								
32. Elbow, right.....	7						7	
33. Elbow, left.....	1						1	
34. Forearm, right.....	30		6	2,209	\$8,701.52		36	
35. Forearm, left.....	10		2	161	326.69		12	
36. Wrist, right.....	4		2	184	346.69		6	
37. Wrist, left.....	1						1	
38. Arms, or one arm and one hand.....	2						2	
39. Hand, n. o. c., right.....	5		7	1,304	6,090.73		12	
40. Hand, n. o. c., left.....	1						1	
41. Hand, back of, right.....	1		1	112	236.80		2	
42. Palm, right.....	3		3	525	3,749.00		6	
43. Hands.....	2						2	
44. Metacarpal, one, right.....	4		1	66	67.77		5	
45. Metacarpal, one, left.....	2						2	
46. Metacarpal, more than one, right.....	1						1	
47. Metacarpal, more than one, left.....					530.05		2	
48. Thumb, n. o. c., right.....	12		2	192	875.02		14	
49. Thumb, n. o. c., left.....	14		1	200	364.48		15	
50. Thumb, distal phalanx, left.....			1	39	80.00		1	
51. Thumb, proximal pha- lanx, right.....	2						2	
52. Thumb, proximal pha- lanx, left.....	3						3	
53. Index finger, n. o. c., right.....	25		3	396	587.43		28	
54. Index finger, n. o. c., left.....	5		2	321	965.38		7	
55. Index finger, distal pha- lanx, right.....	5		1	10	11.11		6	
56. Index finger, distal pha- lanx, left.....	2						2	
57. Index finger, middle pha- lanx, right.....	2						2	
58. Index finger, middle pha- lanx, left.....	1		1	51	68.89		2	
59. Index finger, proximal phalanx, right.....	1						1	
60. Index finger, proximal phalanx, left.....	3		1	77	96.03		4	
61. Middle finger, n. o. c., right.....	11		2	122	210.62		13	
62. Middle finger, n. o. c., left.....	5						5	
63. Middle finger, distal pha- lanx, right.....	2		2	114	224.29		4	
64. Middle finger, distal pha- lanx, left.....	1						1	
65. Middle finger, middle pha- lanx, right.....	3						3	
66. Middle finger, middle pha- lanx, left.....	1						1	
67. Middle finger, proximal phalanx, right.....	2		1	38	64.45		3	
68. Ring finger, n. o. c., right.....	5						5	
69. Ring finger, n. o. c., left.....	3						3	
70. Ring finger, distal pha- lanx, right.....	1		1	53	108.89		2	
71. Ring finger, distal pha- lanx, left.....	1		1	78	43.61		2	
72. Ring finger, proximal phalanx, right.....			1	141	300.01		1	
73. Little finger, n. o. c., right.....	4		2	59	113.34		6	
74. Little finger, n. o. c., left.....	4		1	14	24.45		5	
75. Little finger, distal pha- lanx, right.....	2						2	
76. Little finger, distal pha- lanx, left.....	2						2	
77. Little finger, middle pha- lanx, right.....	2						2	
78. Little finger, middle pha- lanx, left.....			1	152	782.25		1	



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TABLE 12.—DISTRIBUTION OF ACCIDENTS, ACCORDING TO DURATION OF DISABILITY AND EXTENT OF PERMANENT DISABILITY—Continued.

	Sept. 7, 1916, to Dec. 31, 1919.		1920				Cumulative experience.	
	Number of cases.	Number of cases per 100,000.	Number of cases.	Days' dura- tion.	Award.	Number of cases per 100,000.	Number of cases.	Number of cases per 100,000.
Permanent partial disability, other than dismemberments— Continued.								
79. Little finger, proximal phalanx, right.....	4	.....	1	183	\$1,004.01	.....	5	.....
80. Thumb and one finger, right.....	3	.....					3	.....
81. Thumb and one finger, left.....	1	.....					1	.....
82. Thumb and two or more fingers, right.....			1	90	192.89		1	.....
83. Two fingers, right.....	10	.....	1	392	2,396.78		11	.....
84. Two fingers, left.....	2	.....	1	105	222.24		3	.....
85. Three fingers, right.....	1	.....					1	.....
86. Three fingers, left.....			1	168	366.79		1	.....
87. Four fingers, right.....							1	.....
88. Hip.....	6	.....					6	.....
89. Hip joint.....	2	.....	6	2,544	8,293.05		8	.....
90. Femur.....			15	6,757	33,563.00		15	.....
91. Thigh.....	26	.....					26	.....
92. Patella.....	2	.....	3	1,414	7,564.57		5	.....
93. Knee.....	14	.....	5	1,503	7,254.09		19	.....
94. Leg.....	44	.....	23	10,016	28,336.08		67	.....
95. Ankle.....	11	.....	2	937	4,536.58		13	.....
96. Foot, n. o. c.....	10	.....	5	1,441	4,895.88		15	.....
97. Top of foot.....	1	.....					1	.....
98. Tarsals.....	1	.....	1	128	275.58		2	.....
99. Os calcis.....	5	.....	4	2,140	8,081.20		9	.....
100. Metatarsals.....	3	.....	1	160	344.45		4	.....
101. Feet.....			1	1,178	6,122.62		1	.....
102. Broken arch.....			1	220	255.58		1	.....
103. Great toe, n. o. c.....	4	.....					4	.....
104. Great toe, one phalanx.....	1	.....					1	.....
105. Malleolus.....	4	.....					4	.....
106. Multiple injuries.....	5	.....	2	741	7,596.11		7	.....
107. Paralysis.....			2	196	411.14		2	.....
108. Shell shock.....	2	.....					2	.....
109. Nose (disfigurement).....	1	.....					1	.....
Temporary disability.....	46,386	94,424	15,663	390,954	610,137.40	93,757	62,049	94,254
1 to 3 days.....	8,308	16,912	2,445	5,191	.....	14,635	10,753	16,334
4 to 7 days.....	10,461	21,294	3,143	17,184	7,722.49	18,814	13,604	20,665
8 to 14 days.....	10,362	21,093	3,484	37,450	37,064.76	20,854	13,846	21,032
15 to 21 days.....	5,738	11,680	1,874	33,317	42,615.20	11,218	7,612	11,563
22 to 28 days.....	3,257	6,630	1,064	26,448	37,141.71	6,369	4,321	6,564
29 to 35 days.....	2,301	4,684	827	26,429	39,853.40	4,950	3,128	4,751
36 to 42 days.....	1,397	2,844	586	22,708	35,223.73	3,508	1,983	3,012
43 to 49 days.....	1,079	2,196	432	19,784	32,305.09	2,586	1,511	2,295
50 to 56 days.....	753	1,533	325	17,155	29,298.19	1,945	1,078	1,638
57 to 63 days.....	617	1,256	237	14,181	24,975.80	1,419	854	1,297
64 to 70 days.....	358	729	188	12,640	21,881.20	1,125	546	829
71 to 77 days.....	294	598	153	11,335	20,360.44	916	447	679
78 to 84 days.....	229	466	127	10,324	18,374.24	760	356	541
85 to 91 days.....	214	435	103	9,070	16,286.43	617	317	482
92 to 98 days.....	125	254	73	6,911	12,821.78	437	198	301
99 to 105 days.....	123	250	65	6,539	11,696.99	389	188	286
106 to 112 days.....	87	177	52	5,676	10,754.91	311	139	211
113 to 119 days.....	73	148	39	4,413	7,719.88	233	112	170
120 to 126 days.....	70	143	53	6,491	12,685.48	317	123	187
127 to 133 days.....	55	112	38	5,195	9,357.15	227	93	141
134 to 140 days.....	48	98	25	3,278	5,883.55	150	73	111
141 to 147 days.....	43	88	24	3,889	7,525.45	144	67	102
148 to 154 days.....	36	73	28	4,233	8,306.64	168	64	97
155 to 161 days.....	28	57	22	3,634	7,508.54	132	50	76
162 to 168 days.....	31	63	16	2,645	5,474.28	96	47	71
169 to 175 days.....	16	33	18	3,094	5,904.90	108	34	52
176 to 182 days.....	25	51	12	2,153	4,098.69	72	37	56
183 to 365 days.....	221	452	153	39,062	75,994.07	916	374	568
366 to 547 days.....	27	55	38	16,828	32,685.67	227	65	99
548 to 730 days.....	9	18	11	6,206	12,683.49	66	20	30
Over 730 days.....	1	2	8	7,491	15,833.25	48	9	14
Grand total.....	49,126	100,000	16,706	.....	.....	100,000	65,832	100,000

TABLE 13.—DURATION OF DISABILITY IN CASES OF TEMPORARY TOTAL DISABILITY.

Period of disability.	Sept. 7, 1916, to Dec. 31, 1919.			1920.				
	Number of cases.	Per cent of total number of cases.	Cumulative per cent.	Number of cases.	Duration.	Award.	Per cent of total number of cases.	Cumulative per cent.
1 to 3 days.....	8,308	17.92	17.92	2,445	5,191	.....	15.61	15.61
4 to 7 days.....	10,461	22.55	40.47	3,143	17,184	\$7,722.49	20.07	35.68
8 to 14 days.....	10,362	22.34	62.81	3,484	37,450	37,064.76	22.24	57.92
15 to 21 days.....	5,738	12.37	75.18	1,874	33,317	42,615.20	11.97	69.89
22 to 28 days.....	3,257	7.02	82.20	1,064	26,448	37,141.71	6.79	76.68
29 to 35 days.....	2,301	4.96	87.16	827	26,429	39,853.40	5.28	81.96
36 to 42 days.....	1,397	3.01	90.17	586	22,708	35,223.73	3.74	85.70
43 to 49 days.....	1,079	2.32	92.49	432	19,784	32,305.09	2.76	88.46
50 to 56 days.....	753	1.62	94.11	325	17,155	29,298.19	2.07	90.53
57 to 63 days.....	617	1.33	95.44	237	14,181	24,975.80	1.51	92.04
64 to 70 days.....	358	.77	96.21	188	12,640	21,881.20	1.20	93.24
71 to 77 days.....	294	.63	96.84	153	11,335	20,360.44	.98	94.22
78 to 84 days.....	229	.49	97.33	127	10,324	18,374.24	.81	95.03
85 to 91 days.....	214	.46	97.79	103	9,070	16,286.43	.66	95.69
92 to 98 days.....	125	.27	98.06	73	6,911	12,821.78	.47	96.16
99 to 105 days.....	123	.27	98.33	65	6,539	11,696.99	.41	96.57
106 to 112 days.....	87	.19	98.52	52	5,676	10,754.91	.33	96.90
113 to 119 days.....	73	.16	98.68	39	4,413	7,719.88	.25	97.15
120 to 126 days.....	70	.15	98.88	53	6,491	12,685.48	.34	97.49
127 to 133 days.....	55	.12	98.95	38	5,195	9,357.15	.24	97.73
134 to 140 days.....	48	.10	99.05	25	3,278	5,883.55	.16	97.89
141 to 147 days.....	43	.09	99.14	24	3,889	7,525.45	.15	98.04
148 to 154 days.....	36	.08	99.22	28	4,233	8,306.64	.18	98.22
155 to 161 days.....	28	.06	99.28	22	3,634	7,508.54	.14	98.36
162 to 168 days.....	31	.07	99.35	16	2,645	5,574.28	.10	98.46
169 to 175 days.....	16	.034	99.384	18	3,094	5,904.90	.12	98.58
176 to 182 days.....	25	.054	99.438	12	2,153	4,098.69	.08	98.66
183 to 365 days.....	221	.48	99.918	153	39,062	75,994.07	.98	99.64
366 to 547 days.....	27	.06	99.978	38	16,828	32,685.67	.24	99.88
548 to 730 days.....	9	.02	99.998	11	6,206	12,683.49	.07	99.95
Over 730 days.....	1	.002	100.00	8	7,491	15,833.25	.05	100.00
Total.....	46,386	100.00	.....	15,663	390,954	610,137.40	100.00	.....

## COMPARISON OF WAGE LOSS AND COMPENSATION PAID.

The Federal Compensation Act grants compensation in the event of disability on the basis of two-thirds of the loss of wages after a waiting period for three days. The maximum rate at which compensation can be paid is, however, \$66.67 per month. At the time of the enactment of the law, in 1916, a large percentage of Government employees were receiving less than the maximum base rate of \$100 per month, and the maximum compensation rate of \$66.67 per month was apparently assumed to be adequate to meet the actual minimum necessary cost of living in times of emergency. Conditions have, however, greatly changed, as will be indicated by an examination of Table 14.

This table on wage loss is taken from temporary total disability cases only in order to give as near accurate figures as possible. Permanent partial disabilities, especially where lump-sum settlements were involved, would not give the actual wage loss.

This table sets forth very graphically the operation of the maximum award under the Compensation Act. During the year 1918, in the

report published by this commission, it will be noted that 35 per cent of all injured workmen were receiving wages which were affected by the maximum award of 66⅔ per cent. In the report for the year 1919 these figures were greatly increased and we find that 45.45 per cent were receiving wages from \$3.34 to \$5 and 22.89 per cent were receiving wages in excess of \$5, making a total of 68.34 per cent of all cases that were exceeding the maximum provided by this act. This year the figures are still more noticeable in that we find 54.86 per cent were receiving wages from \$3.34 to \$5 and 27.01 per cent were receiving wages in excess of \$5, making a total of 81.87 per cent of all injured employees coming within the provision of this act affected by the maximum award. In round figures the compensation paid for temporary total disabilities was \$610,137 and the wage loss was \$1,481,478 or 41.18 per cent of the wage loss was paid in compensation on temporary total disability cases. Thus instead of paying 66⅔ per cent of the wage loss, as might be construed in the act, it operates to be 41.18 per cent.

TABLE 14.—WAGE LOSS AND COMPENSATION COMPARED, SHOWING THE EFFECTS OF MINIMUM AND MAXIMUM SCHEDULE OF COMPENSATION FOR TEMPORARY TOTAL DISABILITY CASES ONLY, CALENDAR YEAR 1920.

Establishment.	Full wages paid— \$1.11 per day and under.		Minimum—\$1.12 to \$1.66½, inclusive.		66⅔ per cent— \$1.67 to \$3.33.		\$3.34 to \$5.		Over \$5.		Total.			
	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Compensation.	Wage loss.	Per cent of wage loss paid in compensation.
Agriculture:														
All cases.....	2	0.52	2	0.52	63	16.32	215	55.70	104	26.94	386	.....	.....	.....
Compensated cases.....	1	.53	.....	.....	21	11.29	107	57.53	57	30.65	186	\$15,160.65	\$33,330.14	45.49
Commerce:														
All cases.....	3	1.52	5	2.53	71	35.86	81	40.90	38	19.19	198	.....	.....	.....
Compensated cases.....	1	1.25	2	2.50	22	27.50	38	47.50	17	21.25	80	5,864.04	12,141.09	48.30
Interior:														
All cases.....	.....	.....	7	1.87	75	20.11	189	50.67	102	27.35	373	.....	.....	.....
Compensated cases.....	.....	.....	2	.87	34	14.85	138	60.26	55	24.02	229	15,090.22	36,393.24	41.46
Labor:														
All cases.....	.....	.....	2	4.08	24	48.99	17	34.69	6	12.24	49	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	4	50.00	3	37.50	1	12.50	8	235.70	755.31	31.21
Navy:														
Boston yard—														
All cases.....	.....	.....	.....	.....	9	1.85	221	45.48	256	52.67	486	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	3	1.06	130	45.77	151	53.17	284	15,976.71	45,018.20	35.49
Bremerton yard—														
All cases.....	1	.25	.....	.....	7	1.78	193	49.12	192	48.85	393	.....	.....	.....
Compensated cases.....	1	.38	.....	.....	6	2.26	124	46.79	134	50.57	265	9,807.05	29,469.87	33.28
Charleston yard—														
All cases.....	.....	.....	.....	.....	15	16.66	33	36.67	42	46.67	90	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	11	20.00	18	32.73	26	47.27	55	2,225.14	6,406.45	34.73
Mare Island yard—														
All cases.....	.....	.....	.....	.....	1	.35	162	56.44	124	43.21	287	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	1	.42	141	59.24	96	40.34	238	18,363.08	43,724.85	42.00
New York yard—														
All cases.....	.....	.....	.....	.....	6	.73	419	51.29	392	47.98	817	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	5	.98	249	48.82	256	50.20	510	26,112.14	69,730.96	37.45
Norfolk yard—														
All cases.....	.....	.....	.....	.....	8	2.73	150	51.19	135	46.08	293	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	5	3.50	77	53.85	61	42.65	143	5,755.70	15,148.32	38.00
Philadelphia yard—														
All cases.....	.....	.....	.....	.....	8	1.48	292	54.18	239	44.34	539	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	5	1.36	205	55.71	158	42.93	368	21,801.21	53,405.90	40.82
Portsmouth yard—														
All cases.....	.....	.....	.....	.....	1	1.24	40	49.38	40	49.38	81	.....	.....	.....
Compensated cases.....	.....	.....	.....	.....	1	1.49	30	44.78	36	53.73	67	4,300.93	11,349.27	37.90

TABLE 14.—WAGE LOSS AND COMPENSATION COMPARED, SHOWING THE EFFECTS OF MINIMUM AND MAXIMUM SCHEDULE OF COMPENSATION FOR TEMPORARY TOTAL DISABILITY CASES ONLY, CALENDAR YEAR 1920—Continued.

Establishment.	Full wages paid— \$1.11 per day and under.		Minimum—\$1.12 to \$1.66 $\frac{1}{2}$ , inclusive.		* 66 $\frac{2}{3}$ per cent— \$1.67 to \$3.33.		\$3.34 to \$5.		Over \$5.		Total.			
	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Compensation.	Wage loss.	Per cent of wage loss paid in compensation.
Navy—Continued.														
Washington yard—														
All cases.....					4	1.93	99	47.83	104	50.24	207			
Compensated cases.....					2	1.31	77	50.66	73	48.03	152	\$9,960.00	\$27,742.66	35.90
Total yards—														
All cases.....	1	.03			59	1.85	1,609	50.39	1,524	47.73	3,193			
Compensated cases..	1	.05			39	1.87	1,051	50.48	991	47.60	2,082	114,301.96	301,978.48	37.85
All other—														
All cases.....	22	2.95	21	2.82	90	12.08	399	53.56	213	28.59	745			
Compensated cases..	15	3.53	17	4.00	53	12.47	228	53.65	112	26.35	425	28,676.64	72,150.87	39.75
Total Navy—														
All cases.....	23	.58	21	.53	149	3.78	2,008	50.99	1,737	44.12	3,938			
Compensated cases..	16	.63	17	.68	92	3.67	1,279	51.02	1,103	44.00	2,507	142,978.60	374,129.35	38.22
Post Office:														
City Mail Service (in-														
door)—														
All cases.....	2	.26	2	.26	56	7.27	579	75.19	131	17.02	770			
Compensated cases..	1	.22	2	.44	32	7.10	345	76.50	71	15.74	451	20,950.84	49,484.78	42.34
City Mail Service (out-														
door)—														
All cases.....	3	.15	2	.10	169	8.49	1,505	75.63	311	15.63	1,990			
Compensated cases..			2	.15	128	9.15	1,091	77.98	178	12.72	1,399	82,950.00	184,900.89	44.86
Railway Mail Service—														
All cases.....					21	3.48	297	49.17	286	47.35	604			
Compensated cases..					12	4.92	160	65.57	72	29.51	244	20,359.14	51,233.70	39.74
Rural Free Delivery—														
All cases.....					8	3.86	139	67.15	60	28.99	207			
Compensated cases..					7	3.80	130	70.66	47	25.54	184	22,011.05	44,637.37	49.31
Aerial Service—														
All cases.....					9	42.85	9	42.85	3	14.30	21			
Compensated cases..					4	80.00	1	20.00			5	389.24	737.83	52.75
Total Post Office—														
All cases.....	5	.14	4	.11	263	7.32	2,529	70.41	791	22.02	3,592			
Compensated cases..	1	.04	4	.18	183	8.02	1,727	75.64	368	16.12	2,283	146,660.27	330,994.57	44.31





TABLE 14.—WAGE LOSS AND COMPENSATION COMPARED, SHOWING THE EFFECTS OF MINIMUM AND MAXIMUM SCHEDULE OF COMPENSATION FOR TEMPORARY TOTAL DISABILITY CASES ONLY, CALENDAR YEAR 1920—Continued.

Establishment.	Full wages paid— \$1.11 per day and under.		Minimum—\$1.12 to \$1.66 $\frac{1}{2}$ , inclusive.		66 $\frac{2}{3}$ per cent— \$1.67 to \$3.33.		\$3.34 to \$5.		Over \$5.		Total.			
	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Per cent of total number.	Number of cases.	Compensation.	Wage loss.	Per cent of wage loss paid in compensation.
War—Continued.														
Total ordinance—														
All cases.....	3	.14	4	.18	205	9.63	1,450	68.11	467	21.94	2,129	\$91,363.85	\$196,428.81	
Compensated cases.....			1	.07	150	10.32	1,027	70.68	275	18.93	1,453	91,363.85	196,428.81	46.51
Engineer—														
All cases.....	6	.54	7	.63	513	46.39	357	32.28	223	20.16	1,106			
Compensated cases.....	5	.78	4	.62	310	48.21	192	29.86	132	20.53	643	33,966.43	148,669.94	22.85
Quartermaster—														
All cases.....	21	.91	14	.61	787	34.40	1,083	47.34	383	16.74	2,288			
Compensated cases.....	7	.52	4	.30	452	33.83	635	47.54	238	17.81	1,336	108,321.07	226,004.23	49.93
All other war—														
All cases.....	5	1.12	2	.45	106	23.77	238	53.36	95	21.30	446			
Compensated cases.....					54	25.96	125	60.10	29	13.94	208	12,732.11	28,018.41	45.44
Total war														
All cases.....	35	.59	27	.45	1,611	26.99	3,128	52.40	1,168	19.57	5,969			
Compensated cases.....	12	.33	9	.24	966	26.54	1,979	54.37	674	18.52	3,640	246,383.46	599,121.39	41.12
Government Printing Office:														
All cases.....					12	17.91	27	40.30	28	41.79	67			
Compensated cases.....							19	51.35	18	48.65	37	2,035.37	9,386.34	21.68
Miscellaneous:														
All cases.....	16	4.13	16	4.13	85	21.97	173	44.70	97	25.07	387			
Compensated.....	12	4.74	10	3.95	42	16.60	129	50.99	60	23.72	253	20,695.57	50,088.41	41.32
Grand total, 1920:														
All cases.....	89	.57	96	.61	2,655	16.95	8,593	54.86	4,230	27.01	15,663			
Compensated cases.....	44	.47	45	.48	1,453	15.42	5,480	58.14	2,402	25.49	9,424	610,137.40	1,481,478.05	41.18
1919:														
All cases.....	243	1.34	118	.65	5,379	29.67	8,240	45.45	4,150	22.89	18,130			
Compensated cases.....	77	.66	65	.56	3,401	29.07	5,508	47.09	2,647	22.63	11,698	622,696.97	1,399,195.18	44.54
1917 and 1918:														
All cases.....	676	2.4	819	2.9	16,883	59.7	19,878	35.00			28,256	615,934.13	1,395,170.00	44.15

<sup>1</sup> Includes all over \$5.

## DEATHS WITH AND WITHOUT DEPENDENTS, AND VALUE OF AWARDS.

Table No. 15 shows the number of deaths with and without dependents and value of awards made according to each department and important bureau or establishment.

Out of the 475 deaths which were passed upon by the commission in 1920, 151, or 31.79 per cent, were without dependents, while 324, or 68.21 per cent, were with dependents. The average monthly compensation in the 324 cases amounts to \$34.39 and the average estimated valuation of the award is \$4,805.64, as compared with the average monthly compensation of \$37.92 and the average valuation of award of \$5,486.37 in last year's report. In computing the present values of awards only the probability of dying has been taken into consideration as required by law. Remarriage, cessation of dependency, and increase of compensation of children upon the death or remarriage of mother, as factors, have been ignored.

No attempt has been made to compute savings from death or remarriage, for the reason that no reserve is set up when an award is made. Consequently, no allowance is made for the return of unused reserves to the fund, and it does not become a factor in the administration of the act for the reason that compensation is paid from an appropriation from Congress which is made according to the estimated needs of the coming year.

It will be noted that there is a large difference between the number of death cases and the number of such cases upon which burial awards have been paid. This is due chiefly to the large number of cases of death by drowning occurring among employees of the Shipping Board and of the Engineer Department and Army Transport Service of the War Department. In small part, also, the difference is explained by the fact that a long time is occasionally required to secure the bills and adjust the allowance on account of burial expenses. In the cases where such allowance can properly be made, the average expenditure is very close to the maximum which may be allowed, \$100. In a few cases under the provisions of the law, when the death of an employee occurs away from the home office or station, an additional allowance may be made in payment of the additional cost of embalming and placing the body in a hermetically sealed casket, as well as for transporting the body to the employee's home.

TABLE 15.—NUMBER OF DEATHS WITH AND WITHOUT DEPENDENTS, AND VALUE OF AWARD, CALENDAR YEAR 1920.

Department and bureau or establishment.	Number of fatal cases.	Number with no dependents.	Number with dependents.	Total monthly pension.	Estimated valuation.	Burials.		Medical payments, transportation, etc.		Total cost.	
						Number.	Amount of awards.	Compensation before death.	Number.		Amount of awards.
Agriculture:											
Forest Service.....	12	8	4	\$136.67	\$15,607.00	11	\$1,088.70	.....	3	\$611.97	\$17,307.67
Public Roads and Rural Engineering.....	2	.....	2	45.00	3,510.00	2	200.00	.....	1	55.00	3,765.00
All other.....	2	1	1	18.00	1,411.00	2	200.00	\$314.67	2	125.32	2,050.99
Total Agriculture.....	16	9	7	199.67	20,528.00	15	1,488.70	314.67	6	792.29	23,123.66
Commerce:											
Lighthouse Bureau.....	8	1	7	301.30	41,356.00	5	500.00	.....	2	40.00	41,896.00
All other.....	3	.....	3	89.00	8,979.00	3	300.00	.....	1	722.88	10,001.88
Total Commerce.....	11	1	10	390.30	50,335.00	8	800.00	.....	3	762.88	51,897.88
Government Printing Office.....	1	.....	1	35.00	3,532.00	1	100.00	31.11	.....	.....	3,663.11
Interior:											
Indian Affairs.....	4	.....	4	198.17	30,709.00	3	300.00	.....	1	311.00	31,320.00
Reclamation Service.....	3	1	2	121.67	18,599.00	3	300.00	.....	3	45.00	18,944.00
All other.....	7	5	2	83.00	14,121.00	6	600.00	.....	1	846.00	15,567.00
Total Interior.....	14	6	8	402.84	63,429.00	12	1,200.00	.....	5	1,202.00	65,831.00
Navy:											
Yards—											
Boston.....	3	.....	3	95.00	11,234.00	3	300.00	556.96	1	73.00	12,163.96
Bremerton.....	3	.....	3	135.00	21,558.00	3	300.00	17.78	.....	.....	21,875.78
Mare Island.....	6	4	2	43.33	6,884.00	6	600.00	.....	.....	.....	7,484.00
New York.....	5	1	4	170.00	25,071.00	4	400.00	1,000.08	3	635.85	27,106.93
Norfolk.....	6	1	5	191.67	24,843.00	6	599.00	.....	.....	.....	25,442.00
Philadelphia.....	8	1	7	321.67	39,755.00	7	700.00	75.22	3	289.50	40,819.72
Portsmouth.....	1	.....	1	35.00	4,941.00	1	100.00	.....	.....	.....	5,041.00
Washington.....	3	.....	3	136.67	21,153.00	3	300.00	1,353.48	.....	.....	22,806.48
Total yards.....	35	7	28	1,128.34	155,439.00	33	3,299.00	3,003.52	7	998.35	162,739.87
Stations—											
Hingham.....	1	.....	1	65.00	11,081.00	1	100.00	.....	1	13.00	11,194.00
Newport.....	1	.....	1	65.00	8,408.00	1	100.00	2.22	1	29.00	8,539.22
Pearl Harbor.....	2	.....	2	102.31	15,822.00	2	149.40	.....	.....	.....	15,971.40
Other naval stations.....	2	.....	2	85.00	11,904.00	2	200.00	.....	.....	.....	12,104.00

Proving grounds.....	2	1	1	35.64	4,063.00	2	179.00	1,550.56			5,792.56
Marine Corps.....	1		1	45.00	6,389.00						6,389.00
Ordnance (other than yards).....	1		1	66.67	5,306.00	1	100.00		1	9.00	5,415.00
Supplies and Accounts (other than yards).....	2		2	70.00	14,126.00	2	200.00				14,326.00
Other Navy.....	1		1	35.00	7,102.00	1	100.00				7,202.00
Total other Navy.....	13	1	12	569.62	84,201.00	12	1,128.40	1,552.78	3	51.00	86,933.18
Total Navy Department.....	48	8	40	1,697.96	239,640.00	45	4,427.40	4,556.30	10	1,049.35	249,673.05
Post Office:											
City Mail Service (indoor).....	5		5	198.00	27,476.00	5	500.00	233.36	3	108.59	28,317.95
City Mail Service (outdoor).....	23		23	862.77	110,805.00	22	2,200.00	1,713.36	8	755.65	115,474.01
Railway Mail Service.....	8	2	6	303.34	45,639.00	7	700.00	2.22	3	160.44	46,501.66
Rural Free Delivery.....	9		9	386.67	55,378.00	8	787.20	1,013.45	5	1,143.07	58,321.72
Aerial Service.....	9	4	5	170.00	33,745.00	9	900.00		6	1,024.65	35,669.65
Total Post Office.....	54	6	48	1,920.78	273,043.00	51	5,087.20	2,962.39	25	3,192.40	284,284.99
Treasury:											
Custodian.....	1		1	24.50	2,672.00	1	100.00	70.00			2,842.00
Customs.....	2	1	1	35.00	5,593.00	2	200.00				5,793.00
Engraving and Printing.....	2	1	1	45.00	8,663.00	2	200.00	2,387.66	1	254.00	11,504.66
Internal Revenue.....	5	1	4	180.00	33,268.00	5	480.00		1	320.62	34,068.62
Public Health Service.....	2	1	1	28.00	5,580.00	2	195.50				5,775.50
All other.....	2	1	1	20.00	1,505.00	2	200.00	1,231.70	2	765.85	3,702.55
Total Treasury.....	14	5	9	332.50	57,281.00	14	1,375.50	3,689.36	4	1,340.47	63,686.33
War:											
Arsenals and armory—											
Edgewood.....	8	1	7	250.00	39,181.00	7	671.50	707.83	4	416.11	40,976.44
Picatinny.....	1		1	45.00	8,439.00	1	100.00				8,539.00
Rock Island.....	2		2	38.50	5,319.00	2	200.00	77.78			5,596.78
Springfield Armory.....	2		2	90.00	15,487.00	2	200.00	17.78	2	58.00	15,762.78
Watervliet.....	2	1	1	66.67	8,146.00	2	200.00	8.89	2	61.50	8,416.39
Raritan.....	5	3	2	35.00	2,194.00	2	200.00				2,394.00
Total arsenals and armory.....	20	5	15	525.17	78,766.00	16	1,571.50	812.28	8	535.61	81,685.39
Other Ordnance—											
Supply depots.....	8	4	4	140.00	20,565.00	6	592.50	1,657.88	5	412.08	23,227.46
Proving grounds.....	5	1	4	72.50	7,275.00	5	490.00	75.56	1	60.88	7,901.44
All other Ordnance.....	8	4	4	128.40	17,725.00	5	460.00	1,656.46	1	4.00	19,845.46
Total other Ordnance.....	21	9	12	340.90	45,565.00	16	1,542.50	3,389.90	7	476.96	50,974.36
Total all Ordnance.....	41	14	27	866.07	124,331.00	32	3,114.00	4,202.18	15	1,012.57	132,659.75
Engineer.....	61	20	41	1,325.31	185,548.00	48	4,469.80	609.80	13	1,573.95	192,201.55



TABLE 15.—NUMBER OF DEATHS WITH AND WITHOUT DEPENDENTS, AND VALUE OF AWARD, CALENDAR YEAR 1920—Continued.

Department and bureau or establishment.	Number of fatal cases.	Number with no dependents.	Number with dependents.	Total monthly pension.	Estimated valuation.	Burials.		Medical payments, transportation, etc.			Total cost.
						Number.	Amount of awards.	Compensation before death.	Number.	Amount of awards.	
War—Continued.											
Quartermaster—											
Army Transport Service.....	54	39	15	\$374.10	\$55,006.00	8	\$707.25	\$1,381.55	1	\$201.85	\$57,296.65
Supply depots.....	19	2	17	674.17	99,912.00	16	1,600.00	1,089.25	6	500.48	103,101.73
All other.....	23	3	20	722.43	108,034.00	17	1,454.13	1,993.13	5	967.25	112,448.51
Total Quartermaster.....	96	44	52	1,770.70	262,952.00	41	3,761.38	4,463.93	12	1,669.58	272,846.89
Other War—											
Aircraft Service.....	6		6	201.67	23,601.00	5	500.00		1	105.50	24,206.50
Motor Transport Corps.....	1		1	5.00	342.00	1	100.00				442.00
Surgeon General.....	1		1	29.05	3,988.00	1	100.00	35.04	1	44.20	4,167.24
All other.....	1	1							1	396.70	396.70
Total other War.....	9	1	8	235.72	27,931.00	7	700.00	35.04	3	546.40	29,212.44
Total War Department.....	207	79	128	4,197.80	600,762.00	128	12,045.18	9,310.95	43	4,802.50	626,920.63
Miscellaneous:											
National Home for Disabled Volunteer Soldiers.....	2		2	131.67	21,543.00	2	200.00	275.57			22,018.57
U. S. Shipping Board.....	106	37	69	1,765.01	217,227.00	11	878.16	1,432.91	4	1,413.43	220,951.50
District Government.....	1		1	35.00	3,532.00	1	100.00				3,632.00
All other.....	1		1	35.00	6,177.00	1	100.00		1	49.25	6,323.25
Total miscellaneous.....	110	37	73	1,966.68	248,479.00	15	1,278.16	1,708.48	5	1,462.68	252,928.32
Grand total.....	475	151	324	11,143.53	1,557,029.00	289	27,802.14	22,573.26	101	14,604.57	1,622,008.97

TABLE 16.—SUMMARY OF AWARDS ON ACCOUNT OF DEATH, BY RELATIONSHIP OF DEPENDENTS, CALENDAR YEAR 1920.

Dependents.	Number of dependents.	Average age.	Monthly compensation.	Average monthly compensation.	Estimated valuation.	Average value of award.
Widows.....	190	40	\$6,389.15	\$33.63	\$1,172,117.00	\$6,169.00
Children:						
Sons under 18 years of age.....	137	9	1,175.98	8.58	103,338.00	754.00
Daughters under 18 years of age.....	140	9	1,293.94	9.24	110,033.00	786.00
Dependents over 18 years of age and incapable of self-support.....	4	27	55.00	13.75	8,424.00	2,106.00
Mothers.....	96	54	1,484.63	15.36	110,852.00	1,155.00
Fathers.....	47	57	627.83	13.36	45,052.00	959.00
Sisters.....	6	14	47.00	7.83	2,278.00	380.00
Brothers.....	6	12	52.00	8.67	4,154.00	692.00
Grandfather <sup>1</sup> .....	1	78				
Grandchildren.....	3	14	18.00	6.00	781.00	260.00
Total.....	630		11,143.53		1,557,029.00	

<sup>1</sup> Total award permitted by law absorbed by other dependents. Compensation may be awarded upon termination of award to other beneficiaries in same case.

TABLE 17.—WIDOWS TO WHOM COMPENSATION WAS AWARDED, SEPT. 7, 1916, TO DEC. 31, 1920.

Age.	Number of cases.					Total for 4½-year period.	Number with children.	Number without children.
	1916	1917	1918	1919	1920			
17.....					1	1		1
18.....			2			2	2	
19.....		2	3		4	9	5	4
20.....		2	6	2	1	11	8	3
21.....	1		4	1	3	9	6	3
22.....		6	7	3	2	18	10	8
23.....		1	3	4	4	12	9	3
24.....	1	3	6	7	8	25	15	10
25.....		5	6	5	2	18	16	2
26.....	2	3	7	9	5	26	19	7
27.....		2	4	8	5	19	17	2
28.....		7	8	2	3	20	20	
29.....	1	5	4	6	9	25	23	2
30.....	2	1	12	4	5	24	19	5
31.....		2	5	6	2	15	13	2
32.....	3	1	7	4	4	19	17	2
33.....	2	2	10	2	6	22	16	6
34.....	2	4	19	8	4	37	30	7
35.....	2	8	3	4	11	28	16	12
36.....	2	2	2	5	4	15	8	7
37.....	1	1	7	5	6	20	11	9
38.....		9	10	3	5	27	23	4
39.....		2	7	3	4	16	10	6
40.....		3	5	1	4	13	7	6
41.....	1	4	4	1	3	13	9	4
42.....	1	1	6	3	4	15	13	2
43.....		1	5	6	4	16	12	4
44.....	2	3	6	3	8	22	11	11
45.....		1	1	3	6	11	10	1
46.....	1	5	7	1	2	13	9	4
47.....		3	4	1	9	20	14	6
48.....			4	3	4	11	6	5
49.....	1	5	1	2		9	5	4
50.....	1	2	6	1	5	15	10	5
51.....	2	3	4	3	5	17	9	8
52.....		1	5		2	8	4	4
53.....		3	5	3	2	13	7	6
54.....		2	3	2	6	14	9	5
55.....		4	6	3	3	15	9	6
56.....		1	2	2	3	8	3	5
57.....	2	1	1	1	3	8		8
58.....		2	1	1	3	7	1	6
59.....			2	2	4	8	1	7
60.....		2	3	1	7	13	1	6
61.....	1	1		4	3	9	1	8
62.....			2		2	2		1
63.....	1	2	1	2	2	8	1	7

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TABLE 17.—WIDOWS TO WHOM COMPENSATION WAS AWARDED, SEPT. 7, 1916, TO DEC. 31, 1920—Continued.

Age.	Number of cases.					Total for 4-year period.	Number with children.	Number without children.
	1916	1917	1918	1919	1920			
64.			1			1		1
65.		1	2		2	5	1	4
66.			2		1	3		3
67.		2	1	1	1	5		5
68.	1	1	1		1	3		3
69.		1				1		1
70.								
71.								
72.			1			1		1
73.		1				1		1
74.					1	1		1
75.	1					1		1
76.								
77.					1	1		1
78.	1					1		1
79.			1			1		1
Total	35	124	235	141	190	725	463	262

TABLE 18.—CESSATION OF DEPENDENCY—WIDOWS.

Age.	Number of widows.	With children.	Without children.	Remarriage.	Death.	Duration of dependency.
	1916.					
26.....	1		1	1		2 years 10 months 4 days.
29.....	1	1		1		7 months.
30.....	2	1	1	1	1	(1 year 8 months 15 days.
32.....	1		1	1		2 years 1 month 10 days.
35.....	1		1	1		3 years 8 months 14 days.
36.....	1		1	1		4 years 9 months 7 days.
44.....	1		1	1		2 years 5 months 24 days.
63.....	1		1		1	8 months 1 day.
	1917.					
19.....	1		1	1		2 years 7 months 1 day.
20.....	1	1		1		9 months 3 days.
22.....	3	1	2	3		(1 year 5 months 18 days.
25.....	2	1	1	2		1 year 6 months 26 days.
26.....	1	1		1		2 years 6 months 20 days.
28.....	1	1		1		(1 year 2 months 13 days.
29.....	4	2	2	4		2 years 7 months 25 days.
30.....	1	1			1	2 years 5 months 24 days.
35.....	3	2	1	3		1 year 10 months 21 days.
36.....	2	1	1		2	5 months 29 days.
38.....	1	1		1		2 years 2 months 5 days.
43.....	1	1			1	2 years 7 months 6 days.
52.....	1		1		1	2 years 8 months 18 days.
53.....	1		1		1	2 years 7 months 20 days.
55.....	1	1				(1 year 7 months 27 days.
57.....	1		1		1	1 year 11 months 3 days.
	1918.					
19.....	2	1	1	2		1 year 11 months 17 days.
20.....	2	2		2		3 years 6 months 12 days.
22.....	1	1		1		3 years 10 months.
24.....	3	2	1	3		2 years 8 months 21 days.
						2 years 10 months 21 days.
						1 year 11 months 4 days.
						5 months 23 days.
						1 month 12 days.
						2 years 11 months 25 days.
						(1 year 6 months 10 days.
						1 year 8 months 11 days.
						2 years 2 months 14 days.
						2 years 6 months 20 days.
						2 years 4 months 12 days.
						1 year 2 months 23 days.
						1 year 11 months 25 days.
						2 years 9 months 4 days.

TABLE 18.—CESSATION OF DEPENDENCY—WIDOWS—Continued.

Age.	Number of widows.	With children.	Without children.	Remarriage.	Death.	Duration of dependency.
	1918.					
25.....	3	2	1	3		1 year 2 months 22 days. 2 years 6 months 2 days.
26.....	1		1	1		2 years 11 months 22 days.
27.....	1		1	1		2 years 8 months 6 days.
28.....	2	2		2		1 year 1 month 15 days.
29.....	1	1		1		11 months 19 days.
30.....	2	1	1	2		2 years 6 months 8 days
31.....	2	1	1	2		3 years 2 months 4 days.
33.....	1	1		1		1 year 9 months 29 days.
34.....	2	1	1	2		2 years 5 months 20 days.
35.....	1		1	1		1 year 9 months 6 days.
37.....	1		1	1		2 years 2 months 24 days.
38.....	1	1		1		1 year 7 months 12 days.
39.....	1	1		1		2 years 1 month 9 days.
41.....	1	1		1		3 years 24 days.
44.....	1		1	1		1 year 8 months 28 days.
46.....	1	1		1		1 year 1 month 1 day.
47.....	1		1	1		4 months 22 days.
50.....	1	1		1		1 year 1 month 19 days.
51.....	1	1		1		1 year 4 months 4 days.
53.....	1	1		1		1 year 8 months 6 days.
54.....	1		1	1		1 year 10 months 10 days.
72.....	1		1	1		1 year 3 months 15 days.
73.....	1		1	1		4 months 10 days.
	1919.					
17.....	1		1	1		1 year 8 months 12 days.
19.....	1		1	1		2 months 18 days.
23.....	1	1		1		1 year 9 months 10 days.
24.....	1	1		1		1 year 9 months 20 days.
25.....	2	2		2		5 months 3 days.
26.....	3	2	1	1	2	11 months 8 days.
27.....	2	2		2		2 years 2 months.
28.....	1	1		1		1 year 1 month 9 days.
30.....	1	1		1		2 years 28 days.
31.....	1	1		1		1 year 5 months 22 days.
33.....	1	1		1		1 year 4 months 26 days.
34.....	1		1	1		5 months 11 days.
35.....	1		1	1		1 year 5 months 19 days.
37.....	1		1	1		10 months 12 days.
50.....	1	1		1		1 year 7 days.
54.....	1		1	1		1 year 1 month 24 days.
62.....	1		1	1		1 year 6 months 23 days.
	1920.					
34.....	1	1		1		1 year 2 months 5 days.
35.....	1	1		1		1 year 6 months 9 days.

TABLE 19.—DURATION OF WIDOWHOOD IN CASES OF REMARRIAGE.

Time elapsed from date of death of husband to remarriage of widow.	Number remarriages	Per cent of all remarriages.
All remarriages.....	70	100
3 months and under 6 months.....	2	2.86
6 months and under 9 months.....	4	5.71
9 months and under 12 months.....	3	4.29
12 months and under 18 months.....	14	20.00
18 months and under 24 months.....	18	25.71
24 months and under 30 months.....	9	12.86
30 months and under 36 months.....	14	20.00
36 months and over.....	6	8.57

NOTE.—The average duration of widowhood of remarried widows in the above table was 22 months.

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TABLE 20.—REMARRIAGE RATES BY AGES OF WIDOWS FOR 5-YEAR PERIOD, SEPT. 7, 1916, TO SEPT. 6, 1921, INCLUSIVE.

Age periods.	Number of widows.	Number remarried.	Years exposed or number of widows exposed for 1 year.	Remarriage rate per 100 widows for 1 year.
All ages.....	725	70	1,901	3.67
Average age.....	39.15	28.9		
Under 21.....	23	8	55	14.55
21 and under 26.....	82	16	206	7.77
26 and under 31.....	114	21	279	7.53
31 and under 36.....	121	16	326	4.91
36 and under 41.....	91	5	243	2.06
41 and under 46.....	77	3	194	1.55
46 and under 51.....	68	1	187	.54
51 and under 56.....	67		186	
56 and under 61.....	38		96	
61 and over.....	44		129	

NOTE.—The average exposure per widow in the above report was 31 months.

The above remarriage rate, 3.67, is considerably lower than the experience in the State of Pennsylvania in all industries, as shown by the Pennsylvania report for three years ending December 31, 1919, which shows the remarriage rate to be 4.16 per 100 widows. This, however, is what one would expect to find, because of the predominance of the coal-mining industry in Pennsylvania.

It will be noted that the average age of the widows included in this report is 39.15, while the average age of the widows in Pennsylvania for all industries was 38, and the average age of those remarried under the Federal act is 28.9, which is almost identical with that of Pennsylvania, showing 29 years.

In addition to the 70 remarriages, there were 23 deaths. The years exposed in cases of death of widows was 42, or an average of 21 months per widow. Adding the years exposed in death cases to years exposed in cases of remarriage, and dividing by the total number of cessations, or 93, we find that the average duration of widowhood in cases of both death and remarriage was 22 months.

By combining the experience of remarriage with that of death, making 93, we have the combined cessation rate of 4.79 per 100 widows.

We do not attempt to make any statement as to the saving from death and remarriage, but we find upon examination that in death cases there were 11 cases where widows left children, and in remarriage cases there were 42 with children, making a total of 53 cases where the awards to children might possibly be increased according to the provisions of section 10 of the Compensation Act.

There were 1,080 children and stepchildren under 18 years of age, 15 of whom died, 1 returned to the father after the death of the mother, 12 married, and 101 became 18 years of age.

Thus far there have been 14 dependents over 18 years of age and incapable of self-support, of whom 5 became capable of self-support and 2 were married.



Thus far there has been a total of 255 mothers on the dependency list. One was awarded compensation for 1 year only, 2 married, and 13 died.

Dependency awards were made to 121 fathers, 2 awards being made for 1 year only, 2 ceased to be dependent, 3 married, and 12 died.

Thus far the reports show that there have been 65 brothers and sisters awarded compensation (some of which are included in the 14 over 18 and incapable of self-support). Out of this number 3 were married, 1 ceased to be dependent, and 10 reached the age of 18.

Out of the 7 grandchildren thus far awarded compensation there are 2 who became 18 years of age.

In many instances the cessation of dependency of a single beneficiary does not in any way affect the amount of the compensation payable on account of a death because there still remain enough dependents in the family to absorb the maximum award.

Quite a number of the foreign cases have been closed out by lump-sum settlement, also a few others where it was deemed to the best interests of the beneficiaries.

Experience of the year 1920 with regard to injuries and awards has been summarized in Table 22. The table presents in very brief form the facts in regard to each kind of disability showing number of cases, duration and amount of awards.

TABLE 21.—SUMMARY OF AWARDS, AND VALUATIONS, JAN. 1, 1920, TO DEC. 31, 1920.

	Number of cases.	Days' duration, including leave.	Days' leave.	Average days' duration.	Amount of award.	Average award.	Per cent of total award.
Temporary total disabilities:							
Compensated.....	9,424	334,817	18,596	36	\$610,137.40	\$64.74	.....
Noncompensated.....	6,239	56,137	34,438	9			
Total.....	15,663	390,954	53,034	24	610,137.40	38.95	19.75
Permanent partial disabilities:							
Dismemberments.....	1,332	29,690	2,499	.....	105,449.47	377.96	.....
Loss of function.....	2,203	52,962	1,472	.....	199,386.32	1,038.47	.....
Total.....	3,535	82,652	3,971	.....	304,835.79	569.79	9.87
Permanent total disabilities..	33	.....	.....	.....	240,291.48	7,281.56	7.78
Fatals:							
Cases and awards.....	475	.....	.....	.....	1,579,602.26	3,325.48	} 52.02
Burials.....	289	.....	.....	.....	27,802.14	96.20	
Medical payments.....	9,528	.....	.....	.....	327,316.56	34.35	10.85
Total.....	16,706	473,606	57,005	.....	3,089,985.63	184.96	100.00

<sup>1</sup> Including 53 noncompensated cases, 4 of which were no-time-lost cases.

<sup>2</sup> Including 11 noncompensated cases.

<sup>3</sup> Including 64 noncompensated cases, 4 of which were no-time-lost cases.

<sup>4</sup> Estimated value of award.

<sup>5</sup> Including 2,366 no-time-lost cases.

In addition to the 16,706 cases shown in the above report there were 4,030 no-time-lost cases. Medical payments were made on 2,366 of the no-time-lost cases in the amount of \$19,221.73.

The days' duration in permanent partial disabilities include only those which were paid before the cases were closed or before lump-sum settlements were made and does not take into account expectancy.

## CAUSES OF INJURIES, BY EXTENT OF DISABILITY.

In keeping with the plan of economy on Government reports it has been decided to omit the publication of the itemized table on mechanical and nonmechanical accidents, although the same has been tabulated. There are certain items in this report that are worthy of mention.

The number of mechanical injuries under the Federal act, which is about 13 per cent of all injuries, is comparatively small for the reason that there is a large number of clerical positions as compared with the industrial activities under other compensation acts. Referring to the annual report from the State of Washington for 1920, we find that approximately 25 per cent of all injuries were from mechanical causes, or almost double the percentage contained in this report. The 1918-1920 report from Wisconsin shows that about 20 per cent of all accidents were from mechanical causes.

Of the 475 fatal accidents, 31, or 6.5 per cent, were from mechanical causes. About 1.4 per cent of all mechanical accidents were fatal. Out of 535 permanent partial disabilities, 216, or 40.3 per cent, resulted from mechanical agencies; or, in other words, the 13 per cent of all injuries caused 40.3 per cent of all permanent partial disabilities. Out of the 2,179 cases, 609, or 28 per cent, of all mechanical accidents were due to "Hoisting and conveying apparatus," and out of the 31 deaths from mechanical causes, 21 of them were due to "Hoisting and conveying apparatus."

It is of interest to note that in nonmechanical accidents the greater number, as usual, came from "Handling of objects," 4,260, 19 of which were fatal, 4 permanent totals, 89 permanent partials, and 4,148 were temporary total disabilities. The next group of importance was "Fall of persons," 3,097, of which 33 were deaths, 7 permanent totals, 54 permanent partials, and 3,003 temporary total disabilities.

When we come to consider the fact that approximately 13 per cent of all injuries under the Federal act are due to mechanical causes, and only a small percentage would be due to lack of safeguarding of the machinery, it would mean that there would probably be a larger field for standards of safety outside of safeguarding machinery. This is not intended, however, to minimize the necessity of safeguarding machines, because where accidents occur caution should be used whether there is one accident or one thousand. The purpose of this statement is to set forth the fact that safety standards other than mechanical are very essential for the general welfare of workmen.

So much of this table as relates to injuries caused by poisonous and corrosive substances and diseases due to the conditions of employment is reproduced here.

TABLE 22.—INJURIES CAUSED BY POISONOUS AND CORROSIVE SUBSTANCES AND OCCUPATIONAL DISEASES.

Cause of injury.	All cases.	Deaths.	Per- manent total disabil- ities.	Permanent partial disabilities.		Temporary total disabilities.	
				Number.	Days' duration.	Number.	Days' duration.
Poisonous substances:							
Handling, or contact with—							
Aniline.....	1			1	37		
Brass or copper poison- ing (zinc).....	4					4	126
Carbolineum or cosmo- line.....	24					24	229
Coal oil (kerosene and petroleum products, n. o. c.).....	6					6	63
Gasoline.....	1					1	9
Ivy, oak, etc.....	6					6	58
Lead.....	16		1			15	1,127
Lye (potash and soda).. Soda (salsoda and caustic) .....	1					1	4
Sulphuric acid.....	2					2	24
T. N. T.....	2					2	47
Turpentine.....	3					3	27
All other acids.....	1					1	17
All other poisonous sub- stances.....	4					4	110
	15					15	351
Total.....	86		1	1	37	84	2,192
From inhaling fumes—							
Ammonia.....	1					1	160
Carbon monoxide.....	24	3				21	196
Chlorine.....	6					6	12
Coal-tar products, n. o. c. .....	1					1	11
Cyanides.....	1	1					
Gasoline.....	3					3	7
Phosgene.....	2					2	8
Zinc.....	1	1					
All other poisonous sub- stances.....	4	1				3	803
Total.....	43	6				37	1,197
From swallowing—							
Ptomaine poisoning from canned meat.....	1					1	4
Impure water.....	1					1	38
Total.....	2					2	42
Total poisonous sub- stances.....	131	6	1	1	37	123	3,431
Corrosive substances:							
Handling, or contact with—							
Ammonia.....	1					1	12
Arsenic.....	1					1	25
Calcium.....	8			2	127	6	64
Carbon monoxide.....	2					2	6
Cement (Portland type) .....	3					3	37
Chlorine.....	3					3	13
Coal oil (kerosene, and petroleum products, n. o. c.).....	5					5	80
Creosote.....	2					2	17
Gasoline.....	6					6	31
Hydrochloric acid.....	3					3	19
Hydrofluoric acid.....	3					3	23
Lye (potash and soda).. Mustard oil.....	11					11	257
Nitric acid.....	12					12	248
Nitrohydrochloric acid (muriatic and nitric).. .....	4					4	59
Phosphorus, white.....	7					7	62
Potassium bichromate.. Soda (salsoda and caustic) .....	1					1	33
Sulphuric acid.....	1					1	2
Turpentine.....	5					5	127
All other acids.....	20			1	72	19	562
All other corrosive sub- stances.....	2					2	30
	25					25	185
	5					5	119
Total.....	130			3	199	127	2,011

TABLE 22.—INJURIES CAUSED BY POISONOUS AND CORROSIVE SUBSTANCES AND OCCUPATIONAL DISEASES—Continued.

Cause of injury.	All cases.	Deaths.	Per- manent total disabil- ities.	Permanent partial disabilities.		Temporary total disabilities.	
				Number.	Days' duration.	Number.	Days' duration.
Corrosive substances—Contd.							
From inhaling fumes—							
Aniline.....	1					1	7
Gasoline.....	2					2	26
Total.....	3					3	33
From swallowing, ammonia.	1					1	15
Total corrosive substances	136			3	199	133	2,073
Occupational diseases:							
Malaria.....	20	1				19	79
Pneumonia.....	1	1					
Tuberculosis.....	5	3				2	351
Typhoid.....	4					4	210
All other diseases.....	8	6				2	12
Total.....	38	11				27	652
Total, poisonous and cor- rosive substances and occupational diseases...	303	17	1	4	236	281	6,142

The above data are quoted here because of the lack of available material relating to this subject from American sources. To those seeking information in regard to nonaccidental injuries and diseases which result from conditions of employment, the matter is one of special interest. Most of the cases tabulated above are injuries which would not be allowed compensation under accident compensation laws. Such are the cases which are not the result of a sudden unforeseen event, but have developed gradually from some poisonous or injurious material or injurious condition of work. Lead poisoning is the typical example of an occupational poisoning or disease of gradual development. Cases of dermatitis due to the handling of irritating materials are typical examples of the nonaccidental injuries. Ivy poisoning is a typical example of an accidental injury of a sudden unexpected character, with the result, however, quite similar to some cases of dermatitis. There will probably be a tendency toward an increase in claims of this class, since it is highly probable that numerous cases have been occurring in the past where claims have not been presented because the injured employee was unaware of the application of the compensation law. It should be pointed out that cases of disease which follow as the result of an accidental injury are not included in the above quoted data. Such cases are generally allowable under accident compensation laws on the ground that compensation is payable for whatever disability is due to the accident.

Respectfully,

JNO. J. KEEGAN, *Chairman,*  
CHAS. H. VERRILL,  
*Commissioner.*