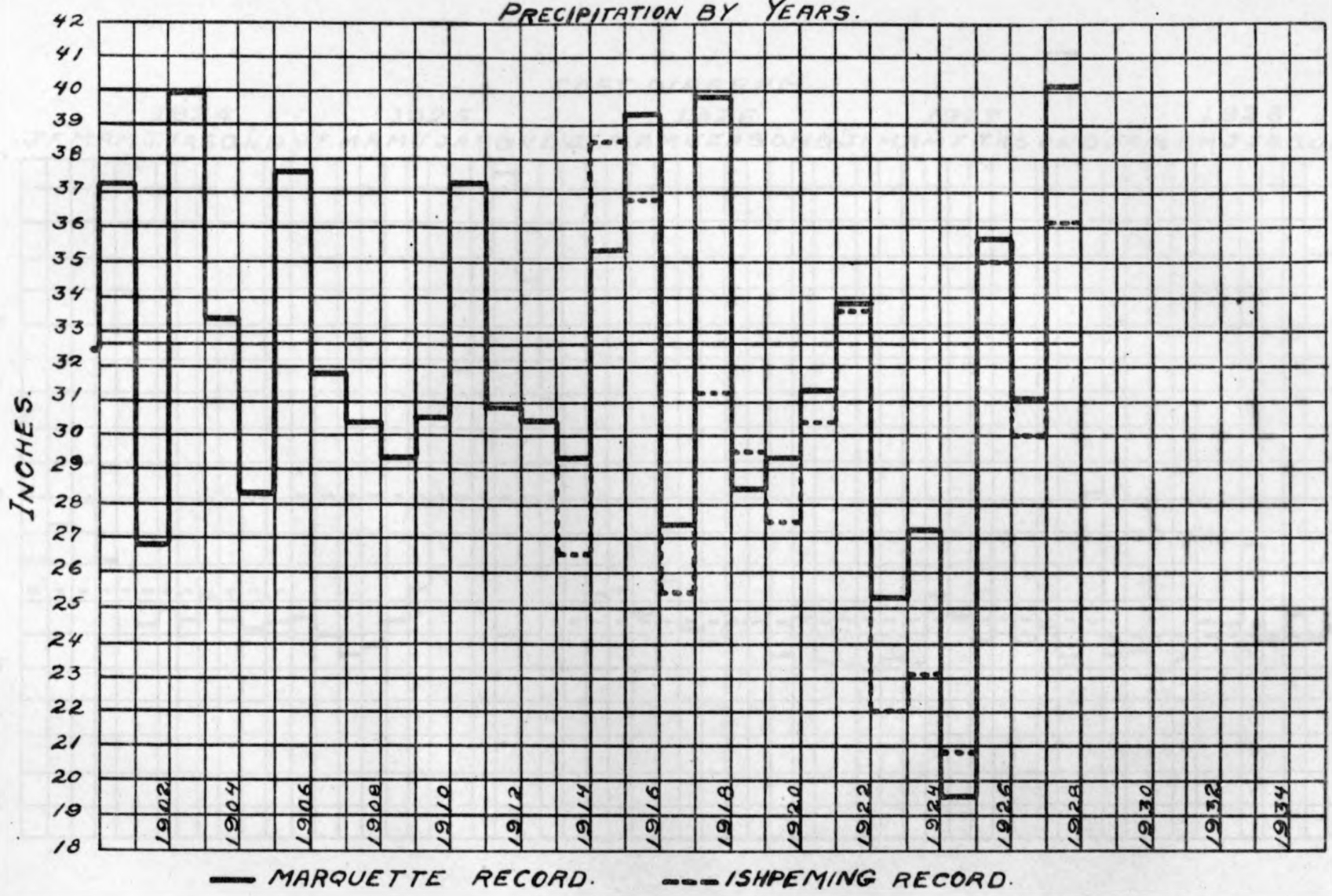
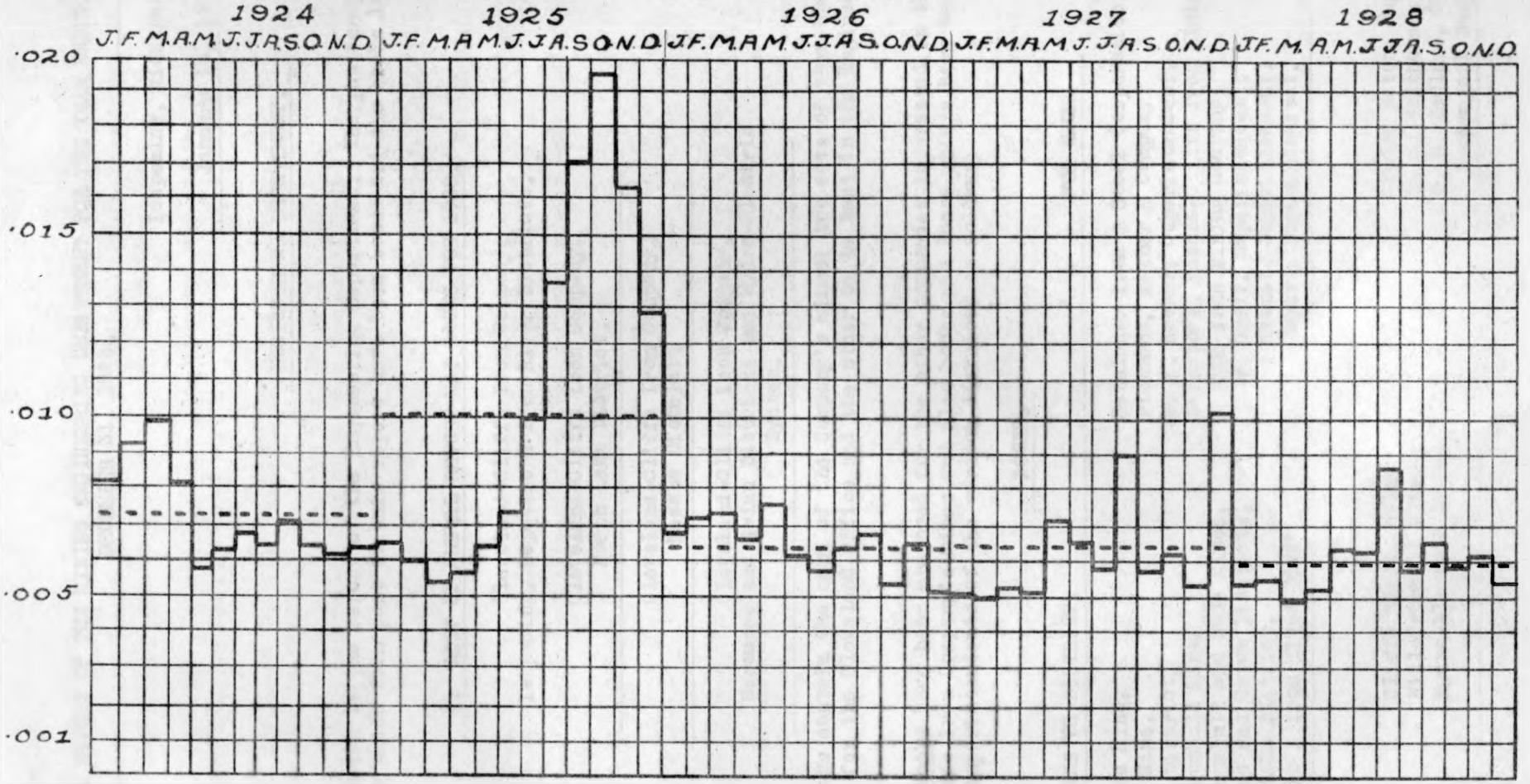


PRECIPITATION BY YEARS.



COST DIAGRAM.



21. ANNUAL REPORT OF THE MINING ENGINEERING DEPARTMENT FOR THE YEAR ENDING DECEMBER 31, 1928.

owners of the Mitchell lease demanded no maps and none were sent. Ishpeming, Michigan,

For the fee owners of the Negaunee Mine fourteen sets of the 10th, 11th and 12th levels were sent to the Cleveland office. January 13, 1929.

Maps of the Roman Catholic Cemetery property of Negaunee were sent to E. S. Archibald, Engineer in charge. ENGINEERING DEPARTMENT.

The following is the report of the Engineering Department. The photographic maps and views which form part of this report have been bound and the books labeled as follows:

A. LIST OF ANNUAL REPORT MAP BOOKS FOR 1928.

Cleveland-Cliffs Iron Company, Ishpeming, Republic & Iron River Districts.

Cleveland-Cliffs Iron Company, North Lake District.

The options are as follows: Cleveland-Cliffs Iron Company, Mesaba District.

Cleveland-Cliffs Iron Company, Negaunee and Gwinn Districts and Hydro-Electric System.

These books contain the maps of the Company's mines; two sets of them have been prepared, one for the Cleveland office and the other to be kept in the Engineering office.

Special books have been prepared for the other companies interested in the Cleveland-Cliffs Iron Company's mines and also books and loose prints have been given to the superintendents of the various districts as follows:

BOOKS.

NO.	MINE OR DISTRICT.	FOR WHOM.
1	Negaunee Mine,	Bethlehem Iron & Steel Corporation.
1	Athens Mine,	Pickands, Mather & Company.
1	Mesaba District,	M. H. Barber, Superintendent.
5	Hill-Trumbull Mine,	Directors, Mesaba-Cliffs Iron Mining Co.
2	Hill-Trumbull and Wade Mines,	Arthur Iron Mining Company.
1	Negaunee and Gwinn Districts,	W. W. Graff, Superintendent.
1	North Lake District,	C. J. Stakel, Superintendent.
1	Republic & Iron River Districts,	W. R. Meyers, Superintendent.

LAND OFFERS.

LOOSE LEAVES.

The majority of the land offers were those of houses and lots in the City of Negaunee.

Cliffs Shaft, Holmes, Ogden & Tilden,	Lucien Eaton, Supt.
Hill-Trumbull Mine,	H. C. Bolthouse, Supt.
Hydro-Electric System,	O. D. McClure, Chief Mechanical Engineer.

Most of these were deeds to lots in the City of Negaunee.

B. Maps of the Athens Mine have been sent monthly to the Cleveland office for Pickands, Mather & Company. No maps of that part of the Athens known as the Corbit lease were sent out in as much as there was no mining done in this area. The fee owners of the Mitchell lease demanded no maps and none were sent.

RIGHTS OF WAY.

For the fee owners of the Negaunee Mine fourteen sets of the 10th, 11th and 12th levels were sent to the Cleveland office.

WATER RIGHTS Maps of the Roman Catholic Cemetery property at Negaunee were sent to R. S. Archibald, Engineer in charge.

One of these was to the Cleveland-Cliffs Iron Company and the other from the Cleveland office. The Lessors of the Virgil Mine have been furnished maps in accordance with the terms of the lease.

SURFACE LEASES.

These cover farm and lot leases.

*A. P. Meyers.*  
Chief Mining Engineer.

SALES.

C. REMARKS ON THE ABSTRACT DEPARTMENT AND VARIOUS SUBJECTS FOR THE YEAR 1928.

The majority of these were for taxes.

Documents have been entered on the records and copies made where necessary.

ABSTRACT OF TITLE.

MINING OPTIONS AND LEASES:

There were no new abstracts added during the year.

The options are as follows:

MICHIGAN STATE TAX COMMISSION.

Parks Option, Minnesota.

Maps and estimates of tonnage of the various mines were sent to the Tax Commission.

No copy of this option was received for record.

MINING LEASES:

There were no changes in the status of mining leases. Land Department and the Tax Department.

MISCELLANEOUS DOCUMENTS ENTERED IN ENGINEERING RECORDS:

The following is a list of the documents received during the year: sale for taxes in these counties.

NO. RECEIVED. LAST FILE NO.

Land offers, - - -	43	1730
Deeds and Miscellaneous,	67	1054
Easements, - - -	2	153
Rights of Way, - - -	3	207
Water Rights, - - -	2	52
Surface Leases, - - -	273	2828
Applications for Sale, - - -	5	104
Sales, - - -	21	459
Tax Histories, - - -	0	558
Legal Opinions, - - -	1	191

LAND OFFERS.

The majority of the land offers were those of houses and lots in the City of Negaunee.

DEEDS AND MISCELLANEOUS DOCUMENTS.

Most of these were deeds to lots in the City of Negaunee.

ENGINEERING DEPARTMENT.

ENGINEERING DEPARTMENT.

EASEMENTS. following table shows the personnel of the Department during the year in the class of entrance:

These were to the Cleveland-Cliffs Iron Company and Cliffs Power & Light Company.

RIGHTS OF WAY.

These were for public highways.

WATER RIGHTS.

One of these was to the Cleveland-Cliffs Iron Company and the other from the Cleveland-Cliffs Iron Company to the City of Ishpeming.

SURFACE LEASES.

These cover farm and lot leases.

SALES. The following table shows the days worked, days sickness, percentage of days worked, etc., for all men in the Department. The vacation column is net, after deduction of holidays worked:

The majority of these were for farms.

ABSTRACT OF TITLE.	NAME.	DAYS WORKED.	DAYS VACATION.	DAYS SICK.	TOTAL DAYS.	PERCENTAGE DAYS WORKED.
There were no new abstracts added during the year.						
<u>MICHIGAN STATE TAX COMMISSION.</u>	R. J. Cheneceur,	273	6	0	269	98%
	T. A. Miller,	273	9	0	263	96
	C. W. Allen,	249	14	0	249	95
<u>TAXES.</u>	A. Nimmoer,	273	0	32	240	88
	A. Helmgren,	273	0	2	270	99

A revised tax list was prepared and copies sent to the Land Department and the Tax Department.

The delinquent tax lists for Marquette, Alger and Iron Counties were carefully checked to be sure there were no water power on mineral lands offered for sale for taxes in these counties.

D. NAME.	1924.	1925.	1926.	1927.	1928.
	VACATION, SICK.	VACATION, SICK.	VACATION, SICK.	VACATION, SICK.	VACATION, SICK.
<u>THE FORCE.</u>					
R. J. Cheneceur,	4	0	0	0	0
T. A. Miller,	9	0	0	0	0
C. W. Allen,	4	0	0	0	0
A. Helmgren,	0	4	0	0	0
C. W. Allen,	0	0	7	0	0

Mr. William R. Meyers was appointed Chief Mining Engineer to take effect August 1st. He assumed active charge about November 1st.

Clyde W. Nicolson left on a leave of absence April 1st and later resigned from the employ of the Company to accept a position with Mr. R. S. Archibald, Consulting Engineer.

With the above exceptions, the personnel of the Department is the same as last year.

The following table shows the personnel of the Demartpent during the year in the order of entrance:

NAME.	POSITION.	PERIOD EMPLOYED.
R. J. Chenneour,	Assistant Engineer,	Entire year.
H. O. Moulton,	Engineer,	" "
J. Trosvig,	April " 1910,	" "
T. A. Miller,	June " 1911,	" - left on May 3 months.
S. Malmgren,	Helper,	" "
C. W. Nicolson,	Engineer,	Three months.
K. C. Pellow,	June " 1917,	Entire year.
A. Minnear,	Engineer and Helper,	" "
C. W. Allen,	Engineer,	" "
E. Decaire, jr.,	Helper,	" "

The following table shows the days worked, days sickness, percentage of days worked, etc, for all men in the Department. The vacation column is net, after deducting over time, such as Sundays and holidays worked:

NAME.	DAYS WORKED.	DAYS VACATION.	DAYS SICK.	TOTAL DAYS.	PERCENTAGE DAYS WORKED.
R. J. Chenneour,	273	4	0	269	98%
H. O. Moulton,	273	6 $\frac{1}{2}$	0	266 $\frac{1}{2}$	97
T. A. Miller,	273	9 $\frac{1}{2}$	0	263 $\frac{1}{2}$	96
K. C. Pellow,	273	9	3 $\frac{1}{2}$	260 $\frac{1}{2}$	95
J. Trosvig,	273	4	5 $\frac{1}{2}$	263 $\frac{1}{2}$	96
C. W. Allen,	263	14	0	249	95
A. Minnear,	273	0	32 $\frac{1}{2}$	240 $\frac{1}{2}$	88
A. Malmgren,	273	0	2 $\frac{1}{2}$	270 $\frac{1}{2}$	99
E. Decaire, Jr.,	277 $\frac{1}{2}$	0	0	277 $\frac{1}{2}$	100

The following table shows the number of days lost because of sickness and vacation for the last five years by the men in the Department:

NAME.	1924.		1925.		1926.		1927.		1928.	
	VACATION.	SICK.	VACATION.	SICK.	VACATION.	SICK.	VACATION.	SICK.	VACATION.	SICK.
R. J. Chenneour,	1 $\frac{1}{2}$	0	6	0	7	3 $\frac{1}{2}$	8	0	4	0
H. O. Moulton,	7	0	6 $\frac{1}{2}$	2	8 $\frac{1}{2}$	0	10 $\frac{1}{2}$	1 $\frac{1}{2}$	6 $\frac{1}{2}$	0
T. A. Miller,	7 $\frac{1}{2}$	0	9	3	9 $\frac{1}{2}$	4 $\frac{1}{2}$	9 $\frac{1}{2}$	0	9 $\frac{1}{2}$	0
K. C. Pellow,	3 $\frac{1}{2}$	9 $\frac{1}{2}$	0	6	5	4	5	5	9	3 $\frac{1}{2}$
J. Trosvig,	8	5 $\frac{1}{2}$	11 $\frac{1}{2}$	0	0	1	7	5	4	5 $\frac{1}{2}$
A. Minnear,	4	1 $\frac{1}{2}$	8	1 $\frac{1}{2}$	0	0	0	21	0	32 $\frac{1}{2}$
S. Malmgren,	0	3 $\frac{1}{2}$	0	4	0	7 $\frac{1}{2}$	0	0	0	2 $\frac{1}{2}$
C. W. Allen,			0	0	1 $\frac{1}{2}$	4 $\frac{1}{2}$	0	0	14	0
E. Decaire, jr.,					0	0	0	0	0	0

In the office, in addition to the regular work, he made the Tax Commission estimate and maps and prepared the annual report maps for this mine.

For the Moss Mine, he made weekly surveys and noted and posted the geology. The proposed development of the Race Course took considerable study.

The following table gives the names of the men in the Department, the date of their employment and the years of service:

NAME.	EMPLOYED.	YEARS OF SERVICE.
R. J. Cheneour,	January 1903,	26
H. O. Moulton,	April 1910,	18 $\frac{3}{4}$
J. Trosvig,	June 1911,	17 $\frac{1}{4}$ - left employ 3 months.
T. A. Miller,	January 1916,	13
S. Malmgren,	May 1916,	11 $\frac{1}{2}$ - laid off 1 year.
A. Minnear,	June 1917,	10 $\frac{1}{2}$ - laid off 1 year.
K. C. Fellow,	January 1918,	11
C. W. Allen,	June 1925,	3 $\frac{1}{2}$
E. Decaire, jr.,	October 1926,	2 $\frac{1}{4}$

THE WORK PERFORMED BY EACH MAN IN THE DEPARTMENT IS DESCRIBED BRIEFLY AS FOLLOWS:

Reginald J. Cheneour, Assistant Mining Engineer, has had charge of the office during the year, supervising the office work, field and underground surveys. He was underground eight days and spent 77 days in the field.

In May, he made an estimate of the Cleveland-Cliffs Iron Company's ore in stock at the Algoma Steel Corporation plant at Sault Ste. Marie, Ontario.

At the Maas Mine, he made the surveys and had charge of the construction of the bases for the new steel stocking trestle and checked the alignment, etc, while the steel work was being erected.

At the Cataract water power development, he made the necessary surveys in connection with the construction work.

In the office, he did the miscellaneous abstract work, took care of tax matters and checked and reported on the delinquent taxes offered for sale in Marquette, Alger and Iron Counties in so far as they affected the Cleveland-Cliffs Iron Company mineral lands and water power lands. He also assembled the annual report and Tax Commission maps and had them bound in books.

Below is a table showing the percentage of his time spent underground, in the field and in the office.

UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
3	30	67	100

Henry O. Moulton, Engineer, has been in charge of the engineering work at the Maas and Negaunee Mines for the entire year.

For the Negaunee Mine, he made weekly surveys and noted and posted geology, made stockpile estimates and estimated the coal on hand.

In the office, in addition to the regular work, he made the Tax Commission estimate and maps and prepared the annual report maps for this mine.

For the Maas Mine, he made weekly surveys and noted and posted the geology. The proposed development of the Race Course took considerable study.

Kenneth C. Pellow, Engineer, did the engineering work at the Republic, Spies-Virg In the office, in addition to the regular work, he made the Tax Commission estimate and maps and prepared the annual report maps.

For the Republic Mine, he made regular surveys and on surface made an estimate of it In May, he spent twelve days at the Trumbull-Cliffs and Otis Steel Company furnaces, making an estimate of the ore in stock.

In the office, he prepared the annual report maps. No Tax Commission estimate was He spent 93 days underground and 48½ days in the field.

Below is a table showing the percentage of his time spent at the Negaunee and Maas Mines and miscellaneous work:

	UNDERGROUND	FIELD	OFFICE	TOTAL
Negaunee, - -	18	3	20	41
Maas, - - -	17	5	23	55
Miscellaneous, - - -	0	11	3	14
<b>Total,</b>	<b>35</b>	<b>19</b>	<b>46</b>	<b>100</b>

Tom A. Miller, Engineer, did the engineering work at the Cliffs Shaft, and Holmes Mines for the entire year.

He assisted in making the ore estimates at the Algona Steel Corporation and did some For the Cliffs Shaft Mine, he made regular surveys, located all diamond drill holes and assisted the geologists with their underground surveys.

He was underground 59 days and spent 30½ days in the field. On surface, he made stockpile and coal estimates.

Below is a table showing the percentage of his time spent on Republic, Spies-Virg In the office, in addition to the regular work for this mine, he made the Tax Commission, estimate and maps and prepared the annual report maps.

For the Holmes Mine, he made regular surveys and noted and posted the geology. He also gave lines for sinking the shaft and plumbed the shaft and established surveys on the new 5th level.

On surface, he made stockpile estimates and coal estimates.

In the office, in addition to the regular mine work, he made the Tax Commission estimate and maps and prepared the annual report maps.

He was underground 90½ days and spent 17½ days in the field. Below is a table showing the percentage of his time spent on Cliffs Shaft and Holmes Mine and miscellaneous work:

	UNDERGROUND	FIELD	OFFICE	TOTAL
Cliffs Shaft, - -	19	3	39	61
Holmes, - - -	15	2	20	37
Miscellaneous, - - -	0	2	0	2
<b>Total,</b>	<b>34</b>	<b>7</b>	<b>59</b>	<b>100</b>

He was underground 106 days and spent 18 days in the field.

Below is a table showing the percentage of his time spent on Morris-Mine work:

	UNDERGROUND	FIELD	OFFICE	TOTAL
Morris-Lloyd,	41	5	54	100



Kenneth C. Pellow, Engineer, did the engineering work at the Republic, Spies-Virgil and Gardner-Mackinaw Mines.

For the Republic Mine, he made regular surveys and on surface made an estimate of the ore in stock, ore and coal estimates.

In the office, he prepared the annual report maps. No Tax Commission estimate was made.

This mine was closed on May 21st. He surveyed and located all shurn drill holes and computed the powder necessary for the blasts.

For the Spies-Virgil Mine, he made regular surveys and estimated the ore and coal in stock. At the Tilden Mine, he made surveys for tracks, crusher plant, etc. and located the shurn drill holes.

In the office, he made ore estimates and the Tax Commission estimate and maps and prepared the annual report maps.

For the Gardner-Mackinaw Mine, he made regular surveys.

In addition to the regular work, about 10% of his time was spent on other miscellaneous work. In the office, in addition to his regular work, he made the Tax Commission estimate and maps and prepared the annual report maps.

He was underground 47 1/2 days and spent 50 1/2 days in the field. He assisted in making the ore estimates at the Algoma Steel Corporation and did some work on E & A No. 17, Cataract water power.

He was underground 59 days and spent 20 1/2 days in the field.

Below is a table showing the percentage of his time spent on Republic, Spies-Virgil and Gardner-Mackinaw Mines and miscellaneous work:

	UNDERGROUND	FIELD	OFFICE	TOTAL
Republic, - - -	3	1	7	11
Spies-Virgil, - -	10	1	47	58
Gardner-Mackinaw, - -	10	1	13	24
Miscellaneous, - -	0	5	2	7
<b>Total,</b>	<b>23</b>	<b>8</b>	<b>69</b>	<b>100</b>

Archibald King, draftsman and Engineer's helper, worked at the engineers with their underground and surface surveys and office work from May 1st to November 15th. He did the engineering work in connection with E & A 513, moving of houses.

John Trosvig, Engineer, did the engineering work for the Morris-Lloyd Mine for the entire year. At this mine he made weekly surveys and assisted the geologists with their underground surveys. He plumbed the shaft and established surveys on the new 8th level. He also supervised the construction of an all concrete storage pocket on the 8th level.

Below is a table showing the percentage of his time spent on E & A 513 and other miscellaneous work. On surface, he made stockpile and coal estimates, made contours for the possible stockpile areas and at the location secured data for a proposed sewerage system.

In the office, in addition to his regular work, he made the Tax Commission estimate and maps and prepared the annual report maps.

He was underground 106 days and spent 16 days in the field.

Below is a table showing the percentage of his time spent on Morris-Mine work:

	UNDERGROUND	FIELD	OFFICE	TOTAL
Morris-Lloyd,	41	5	54	100

Sextus Malstrom, Helper, assisted in the underground and surface surveys, took care of the maps, etc. He worked in the office making prints.

Charles W. Allen, Engineer, did the engineering work at the Athens, Ogden and Tilden Mines for the entire year.

For the Athens Mine, he made weekly surveys and noted and posted the geology. In the field, he made ore and coal estimates.

In the office, he made the Tax Commission estimate and maps and prepared the annual report maps.

For the Ogden Mine, he made regular surveys and located all churn drill holes and computed the powder necessary for the blasts.

For the Tilden Mine, he made surveys for tracks, crusher plant, etc, and located the churn drill holes.

In the office, he made the Tax Commission estimate and maps and prepared the annual report maps.

In addition to the regular work, about 10% of his time was spent on other miscellaneous work.

He was underground  $47\frac{1}{2}$  days and spent  $50\frac{1}{2}$  days in the field.

Below is a table showing the percentage of his time spent on the Athens, Ogden and Tilden Mines and miscellaneous work:

	UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
Athens, - - -	18	2	30	50
Ogden, - - -	0	3	8	11
Tilden, - - -	0	14	13	27
Miscellaneous, -	0	1	11	12
Total,	18	20	62	100

Archibald Minnear, Draftsman and Engineer's Helper, assisted the engineers with their underground and surface surveys and office work. From May 7th to November 15th, he did the engineering work in connection with E & A 513, moving of houses.

He was laid up during the months of January and February with rheumatism.

He was underground  $8\frac{1}{2}$  days and spent  $167\frac{1}{2}$  days in the field.

Below is a table showing the percentage of his time spent on E & A 513 and other miscellaneous work:

	UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
E & A 513, - -	0	67	4	71
Miscellaneous, -	4	2	23	29
Total,	4	69	27	100

Sextus Malmgren, Helper, assisted the engineers with their underground and surface surveys, took care of the tapes, made blue prints and spent about two months in the office making annual report prints.

**MINES.**

Athens,  
Maas,  
Negaunee,

He was underground 103½ days and spent 50 days in the field.

Holmes,

Below is a table showing the percentage of his time spent underground, in the field and in the office:

Barnes-Necker,  
Morris-Lloyd,  
Republic,  
Spies-Virgil,  
Gardner-Mackinaw.

UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
38	19	43	100

Ernest Decaire, Jr. was employed as helper and truck driver the entire year. He drove the Dodge truck and helped the engineers with their underground and surface surveys.

Austin,

In the office, he made blue prints and assisted in making the annual report prints.

Boston,

Below is a table showing the percentage of his time spent underground, in the field and in the office:

Total,

UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
23	40	37	100

**WATER POWER.**

Mac Water Power,

Open Place Power Co.

E. The following table shows the percentage of time spent underground, in the field and in the office for mines in this district:

Total,

	UNDERGROUND.	FIELD.	OFFICE.	TOTAL.
Athens, - - -	31	11	58	100
Maas, - - -	31	16	53	100
Negaunee, - - -	35	17	48	100
Cliffs Shaft, - - -	43	04	53	100
Holmes, - - -	44	10	46	100
Ogden, - - -		37	63	100
Tilden, - - -		62	38	100
Morris-Lloyd, - - -	37	12	51	100
Republic, - - -	29	10	61	100
Spies-Virgil, - - -	20	03	77	100
Gardner-Mackinaw, - - -	43	05	52	100
Average,	29	17	54	100

F. The next table shows the distribution of time and the cost to the various mines and other work for the last three years:

**MISCELLANEOUS.**

City of Negaunee,

City of Ishpeming,

Abstracts,

Race Course E & A 504,

" " " 513,

Mass Mine Tract E & A 523

Ore Estimates,

Miscellaneous,

Total,

Grand Total,

MINES.	1926.			1927.			1928.			PERCENT INCREASE.	PERCENT DECREASE.
	LABOR.	TIME IN DAYS.	PER-CENT.	LABOR.	TIME IN DAYS.	PER-CENT.	LABOR.	TIME IN DAYS.	PER-CENT.		
Athens,	\$3184.27	303	12.4	\$2315.46	273 $\frac{1}{2}$	10.2	\$1850.71	226 $\frac{1}{2}$	7.8		2.4
Maas,	2338.89	222	9.	2427.82	248 $\frac{1}{2}$	10.7	2524.21	243	10.6		0.1
Negaunee,	2329.38	223 $\frac{1}{2}$	9.1	2229.98	227 $\frac{1}{2}$	9.8	2230.27	215 $\frac{1}{2}$	9.3		0.5
Cliffs Shaft,	2828.19	324	10.9	2416.19	303 $\frac{1}{2}$	10.6	2514.94	286 $\frac{1}{2}$	10.5		0.1
Holmes,	1580.24	178	6.0	1724.57	201 $\frac{1}{2}$	7.5	1695.74	192 $\frac{1}{2}$	7.1		0.4
Ogden,	774.83	99	3.0	602.18	83	2.7	417.63	53 $\frac{1}{2}$	1.8		0.9
Tilden,	0	0	0	54.80	6	0.2	850.53	113	3.6	3.4	
Barnes-Hecker,	2035.64	260 $\frac{1}{2}$	7.9	133.07	19	0.6	0	0	0		0.6
Morris-Lloyd,	3292.24	366 $\frac{1}{2}$	12.8	3230.06	363	14.1	3546.91	372	14.8	0.7	
Republic,	1558.10	173	6.1	1018.38	113 $\frac{1}{2}$	4.5	396.52	43 $\frac{1}{2}$	1.7		2.8
Spies-Virgil,	2117.94	234 $\frac{1}{2}$	8.2	2298.37	260 $\frac{1}{2}$	10.1	2126.83	217 $\frac{1}{2}$	8.9		1.2
Gardner-Mackinaw,	0	0	0	85.11	8	0.4	1081.53	118 $\frac{1}{2}$	4.5	4.1	
Total,	\$22039.72	2374 $\frac{1}{2}$	85.4	\$18535.99	2108	81.4	\$19235.82	2082	80.6		0.8
<u>GWINN DISTRICT.</u>											
Austin,	30.45	4 $\frac{1}{2}$	0.1	124.71	14 $\frac{1}{2}$	0.5	34.96	4 $\frac{1}{2}$	0.1		0.4
Francis,	0	0	0	0	0	0	110.22	12 $\frac{1}{2}$	0.5	0.5	
Princeton,	0	0	0	137.11	13	0.6	0	0	0		0.6
Stephenson,	27.74	3 $\frac{1}{2}$	0.1	235.98	28 $\frac{1}{2}$	1.0	107.97	12	0.5		0.5
Gwinn Sewer,	0	0	0	34.10	3	0.2	0	0	0		0.2
Gwinn Townsite,	0	0	0	0	0	0	99.31	7 $\frac{1}{2}$	0.4	0.4	
Total,	\$58.19	8	0.2	\$531.90	59	2.3	\$352.46	36 $\frac{1}{2}$	1.5		0.8
<u>WATER POWER.</u>											
Mac Water Power,	30.75	3	0.1	0	0	0	0	0	0		
Oper.Elec. Power Plants,	36.46	3 $\frac{1}{2}$	0.1	0	0	0	0	0	0		
Cliffs Power & Light Co.,	524.15	43 $\frac{1}{2}$	2.1	709.64	58	3.1	644.77	60 $\frac{1}{2}$	2.7		0.4
Total,	\$591.36	50	2.3	\$709.64	58	3.1	\$644.77	60 $\frac{1}{2}$	2.7		0.4
<u>SURVEYS &amp; CONTOURS.</u>											
South Tilden Expl.,	110.12	16	0.4	165.17	22 $\frac{1}{2}$	0.7	0	0	0		0.7
Section 22, 47-27,	626.86	124 $\frac{1}{2}$	2.4	423.68	55	1.9	0	0	0		1.9
" 23, "	0	0	0	28.00	4	0.1	0	0	0		0.1
" 24, "	0	0	0	23.90	3 $\frac{1}{2}$	0.1	0	0	0		0.1
" 25, "	216.20	45 $\frac{1}{2}$	0.9	736.44	138 $\frac{1}{2}$	3.3	264.81	50	1.1		2.2
" 26, "	1252.66	214 $\frac{1}{2}$	4.9	163.83	24 $\frac{1}{2}$	0.7	0	0	0		0.7
Total,	\$2205.84	400 $\frac{1}{2}$	8.6	\$1541.02	248	6.8	\$264.81	50	1.1		5.7
<u>MESABA DISTRICT.</u>											
Boeing,	32.08	5	0.1	70.93	9 $\frac{3}{4}$	0.3	22.06	3	0.1		2
Hill-Trumbull,	32.35	5	0.1	69.99	9 $\frac{1}{2}$	0.3	76.21	10 $\frac{1}{2}$	0.3		0
Wade,	0	0	0	0	0	0	66.88	9	0.3	0.3	
Pontiac,	0	0	0	2.69	$\frac{1}{2}$	0	0	0	0		
Total,	\$64.43	10	0.2	\$143.61	19 $\frac{3}{4}$	0.6	\$165.15	22 $\frac{1}{2}$	0.7		0.1
<u>MISCELLANEOUS.</u>											
City of Negaunee,	240.11	32	1.0	0	0	0	53.16	9	0.2	0.2	
City of Ishpeming,	159.54	22 $\frac{1}{2}$	0.6	0	0	0	0	0	0		
Abstracts,	276.40	26	1.0	237.25	19 $\frac{1}{2}$	1.0	1033.04	74	4.3	3.3	
Race Course E & A 504,	0	0	0	771.85	95	3.4	25.51	2	0.1		3.3
" " " 513,	0	0	0	0	0	0	1110.71	175	4.7		4.7
Maas Mine Trestle E & A 527,	0	0	0	0	0	0	648.59	54	2.7		2.7
Ore Estimates,	0	0	0	306.33	25 $\frac{1}{2}$	1.4	264.69	22	1.1		0.3
Miscellaneous,	168.43	16 $\frac{1}{2}$	0.7	<del>306.33</del>	0	0	70.70	5	0.3		0.3
Total,	\$844.48	97	3.3	\$1315.43	140	5.8	\$3206.40	341	13.4		7.6
Grand Total,	\$25804.02	2939 $\frac{1}{2}$	100.0	\$22777.59	2632 $\frac{1}{2}$	100.0	\$23869.41	2592 $\frac{1}{2}$	100.0		

H. AUTOMOBILES. location, surveys were run and elevations taken with a view to a sewerage system for the houses in the location.

The Dodge truck and touring car were operated the entire year.

REPUBLIC MINE.

Regular surveys were made and all geology noted and posted. On surface, an estimate of ore in stock was made. This mine was closed the latter part of year.

ATHENS MINE.

SPICE-VIRGIL MINE.

Regular weekly surveys were made and all geology noted and posted. The stock-piles were estimated. All drill holes located. Estimates were made of ore reserves in the mine. On surface, the ore stockpiles were estimated.

MAAS MINE.

GARDNER-MACKINAW MINE.

Regular weekly surveys were made and all geology noted and posted. The stock-pile estimate was made. A new steel stocking trestle was erected at this mine which required very accurate survey work and supervision during the period of construction. The proposed development of the Race Course area required considerable work.

NEGAUNEE MINE.

Weekly surveys were made and all geology noted and posted. The skip and cage compartments in No. 3 were gauged. On surface, an estimate of the ore and coal in stock was made. Portions of the surface in the caving area were cross-sectioned to show the rate and limits of subsidence.

CLIFFS SHAFT MINE.

Regular surveys were made and all diamond drill holes located for position, course and dip. The geologists were assisted with their underground work. On surface, stocking trestles were laid out and estimates of ore and coal in stock made.

HOLMES MINE.

Regular surveys were made and the geology noted and posted. The shaft sinking, which was being done at this mine, required that the new sets as placed be lined in. After sinking was completed and the new 5th level plat cut out, the mine surveys were carried down the shaft and established on the 5th level. The cage and skip compartments were gauged. On surface, lines and elevations were given for stocking trestle and the ore and coal in stock were estimated.

OGDEN MINE.

Regular surveys were made and all churn drill holes located. Estimates were made of the powder necessary for each blast. Estimates of stripping were also made.

TILDEN MINE.

Surveys were made and grades given for railway tracks, crusher and shop buildings. The churn drill holes were located and estimates made of the stripping. The opening of this mine required considerable engineering work.

MORRIS-LLOYD MINE.

Regular weekly surveys were made and all geology noted and posted. The shaft was plumbed and the surveys transferred to the new 8th level. The construction of an all concrete storage pocket on the 8th level was completed. This work was supervised until completion. On surface, estimates of ore and coal in stock were made. Some contour work was done for additional stocking ground.

At the mine location, surveys were run and elevations taken with a view to a sewerage system for the houses in the location.

REPUBLIC MINE.

Regular surveys were made and geology noted and posted. On surface, an estimate of ore in stock was made. This mine was closed the latter part of May.

SPIES-VIRGIL MINE.

11. Regular surveys were made and all drill holes located. Estimates were made of ore reserves in the mine. On surface, the ore stockpiles were estimated.

GARDNER-MACKINAW MINE.

Regular surveys were made and lines given in the stopes frequently. An estimate of the ore remaining in the mine was made.

J. MISCELLANEOUS.

GWINN DISTRICT.

Estimates were made of ore in stock at the Austin, Stephenson and Francis Mines.

E & A 513, MOVING HOUSES.

An engineer was kept constantly on this work for six months while the houses were being moved, giving lines and grades for concrete foundations and giving grades for sidewalks, curbing and streets and doing other miscellaneous work.

E & A NO.7, ESCANABA RIVER WATER POWER.

Field surveys and office work were done in connection with the development. The work consisted mainly of lines and grades in the tunnels and for the pipe lines, dam and power house.

CONTOURS AND GEOLOGY.

The office work in connection with the contour and geology work for the NW $\frac{1}{4}$  of Section 25, 47-27 was completed.

MISCELLANEOUS ABSTRACTS.

The abstracts were not added to during the year. A good deal of work was done in tracing the ownerships for various lands, especially in the Negaunee District.

ALGOMA STEEL CORPORATION.

An estimate of Cleveland-Cliffs Iron Company's ore in stock at this plant was made May 1, 1928.

TRUMBULL CLIFFS & OTIS STEEL COMPANIES FURNACES.

Estimates of ore in stock were made at these furnaces.

*R. Cherriman*  
Assistant Engineer.

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1926  
PENSION DEPT.

11.

a. Workmen's Compensation  
ANNUAL REPORT  
YEAR 1926

11.

a. Workmen's Compensation

The direct work of the Compensation Department has been taken care of by Walter E. Johnson since the death of Thomas H. Bargh on January 11, 1926. Mr. Johnson has been chief clerk of the Pension Department since June 15, 1911, except for the period during which he was in service during the World War.

The work has been taken care of in the most satisfactory manner. The regular plan of seeing the injured men just as soon as possible has been followed and this has made it possible to maintain the most friendly relations with the men and secure readily their signatures to the compensation agreements.

The payments have been made promptly, the checks being given to them at the office when they are able to come here or delivered to them at the Hospital or at home for the men in this district when they are unable to come to the office.

At the outside mines, the mine clerks do this work for us.

Following is a list of those cases requiring special attention during the year:

RINALDO BETTENISCHI - STEPHENSON MINE ACC. REP. #626  
Injured February 23, 1923  
Fatal

This family has been in need of constant looking after during all this period. The children were taken away from the mother, the young ones being placed in the Catholic Orphanage at Marquette, the oldest daughter being at work. Mr. M. G. DeGabriel of the First National Bank of Negaunee, was made the guardian of the children. A house at Princeton is owned by the family and we have assisted them in the matter of rental of it.

ARTHUR M. OGNES - CLIFFS SHAFT MINE ACC. REP. #961  
Injured November 13, 1926  
Strain of back and right leg

He has been sent away to different physicians but there has been no decided improvement, and a special disability settlement was made with him.

DOMENICO SANTEI - BOWING MINE ACC. REP. #136  
Injured October 23, 1926  
Struck severe blow on the head by mining car and pole

This man has claimed the loss of sight and the case has been in the hands of Dr. MacPherran of Duluth.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

NELS FISH - MAAS CRUSHER ACC. REP. #4. 161  
Injured Spetember 28, 1927  
Fatal  
fractures of bones in region of hips, pelvis and back

We have had two conferences with the representative of the Dept. of Labor and Industry at Marquette looking towards the settlement in this case. On account of there being two sets of children, both Mr. and Mrs. Fish having been married previously, Mrs. Fish has now married the brother of her former second husband and has gone to live with him on a farm south of Escanaba.  
injury to left knee

This man was injured in the following manner:  
RUSSELL JOHNSON - ATHENS MINE ACC. REP. #183  
Injured October 29, 1923  
Ruptured lung, bruised arm and back

He has never fully recovered from the accident and special partial disability agreement was made with him so that he could go down the southern part of the state and secure some light work in an automobile factory.

ISAAC HILL - MAAS MINE ACC. REP. #377  
Injured May 21, 1925  
Contused chest and fractured skull

As he was unable to return to his work, and he desired to return to Finland to be with his family who had never come to this country, arrangements were made on a partial disability basis and he returned to Finland in November.  
fracture of skull

J. E. MC NAMME - STEPHENSON MINE ACC. REP. #436  
Injured January 5, 1918  
Sprain of both ankles

This case is one which has been constantly before us since the time of the accident. Several hearings have been held which were decided against us. A settlement was effected within this year on a partial disability basis.

WILLIAM SAARI - NEGAUNEE MINE ACC. REP. #538  
Injured June 14, 1927

This man got a serious injury to one eye, the pupil not functioning properly thereafter. Seemed better for a time then grew worse. He was sent to Dr. Black after being treated by the specialists here. His sight could not be saved and he is being paid for the loss of one eye.

DOMONIC SAMTTI - BOEING MINE ACC. REP. #166  
Injured October 23, 1926  
Struck severe blow on the head by mining car and pole

This man has claimed the loss of sight and the case has been in the hands of Mr. MacPherran of Duluth.



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.  
11.

a. Workmen's Compensation (continued)

FATALITIES: JOHN RAJANEN - BOEING MINE ACC. REP. #161

Injured October 16, 1926  
Various fractures of bones in region of hips, pelvis and back

This man has not got along well, but we have been trying to effect a settlement with him and the matter is in the hands of Mr. MacPherran.

STEVE KOSOVICH - BOEING MINE ACC. REP. #193

Injured October 31, 1927  
Injury to left knee

This matter is now in the hands of Mr. MacPherran for settlement.

DAVE ESLINGER - BOEING MINE ACC. REP. #170

Injured December 3, 1926  
Bruised left shoulder, 15% less of use of left arm

This man has not got along very satisfactorily and settlement with him is still pending.

JOHN CARLSON - HILL TRUMBULL MINE ACC. REP. #63

Injured April 28, 1928  
Struck in the head by piece of rock from blast; fracture of skull.

This case has been given considerable consideration and we are trying to effect settlement with this man. He has improved somewhat and it is expected that something may be done with him during the coming year.

MANDELINA PAVICH - Mine - Acc. Rep. #1024

Her husband, Steve Pavich, was accidentally killed on February 27, 1924. It was reported to us later that she had remarried. Mr. Donovan being acquainted with these people was sent to Indiana Harbor, where she lived, and he made a very good investigation; securing affidavits from the jury and judge, and it was determined by the judge that a common-law marriage existed. This information was presented by Mr. MacPherran to the Industrial Commission and they decided that the evidence indicated her marriage, and we were not required to pay additional compensation. This work was very well taken care of and saved us about \$3000.00.

Caught by a fall of ground.  
Dependent wife and three children.  
Compensation at \$18.00 per week for 300 weeks..... \$ 5400.00  
Funeral expense..... 200.00  
\$ 5600.00

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

11.

a. Workmen's Compensation (continued)

FATALITIES:

The following is a list of the fatalities which occurred during the year 1928, and shows the total cost of each.

Henry Spencer Maas Mine - Acc. Rep. #423 Date of Acc. 1/25/28 Final payment 11/3/28  
 Age 67 yrs. Date of Accident - January 25, 1928  
 Two motors were going in on 4th level main drift. Spencer stepped off the track to allow first motor to pass and then stepped on the track ahead of the second motor and was struck. Died on January 27, 1928.  
 Dependent widow  
 Compensation at \$17.90 per week for 300 weeks.....\$ 5370.00  
 \* Widow re... Funeral expenses..... 200.00  
 \*\* Lump sum payment of remaining compensation made in 1928. \$ 5570.00

Oscar Anderson The Cliffs Power & Light Co. - Acc. Rep. #6  
 Age 44 yrs. Date of accident - June 14, 1928  
 Electrocuted when he came in contact with 30,000 volt line.  
 Died on June 21, 1928.  
 Dependent wife and three children.  
 Compensation at \$18.00 per week for 300 weeks.....\$ 5400.00  
 Funeral expenses..... 270.50  
 \$ 5670.50

Waino Tarkka Cliffs-Shaft Mine - Acc. Rep. #1024  
 Age 27 yrs. Date of accident - November 24, 1928  
 Apparently thought cage had stopped at the level. He opened the door and as he was getting off the cage started up. His shoulder was caught in the shaft door and he was thrown into the shaft.  
 No dependents  
 Funeral expense.....\$ 183.00

Gust Koski Negaunee Mine - Acc. Rep. #572  
 Age 36 yrs. Date of accident - December 17, 1928  
 Caught by a fall of ground.  
 Dependent wife and three children.  
 Compensation at \$18.00 per week for 300 weeks.....\$ 5400.00  
 Funeral expense..... 200.00  
 \$ 5600.00

Herman Alarke Severe laceration of right hip.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

Mine Payments on account of the following fatal cases were completed during the year:

<u>Mine</u>	<u>Name</u>	<u>Acc. Rep. #</u>	<u>Date of Acc.</u>	<u>Date of Final payment</u>
Stephenson	Rinaldo Bettineschi	626	2/ 3/23	11/ 3/28
Holmes	Mike Ritari	247 1/2 left	3/ 7/23	12/ 4/28
Stephenson	William Ranta	628	2/12/23	6/ 9/28
Boeing	Steve Pavich	56	2/16/24	1/31/28*
Athens	John Vaughan	143	12/17/22	9/ 6/28
Athens	William Prout	194	2/18/24	5/28/28
Barnes-Hecker	William Kakkuri	160	11/ 3/26	8/ 3/32**

\* Widow remarried.

\*\* Lump sum payment of remaining compensation made in 1928.

The following is a list of the more serious cases occurring during 1928.

<u>Mine &amp; Rep. No.</u>	<u>Name</u>	<u>Nature of Injury</u>	<u>Compensation Paid</u>
Athens #312	Charles Renfree	Fractured pelvis - shock. Ruptured bladder	379.14 \$365.20
Cl. Shaft #1005	Henry Makie	Loss right index finger.	630.00
Cl. Shaft #1009	Thomas Guy	Loss left ring finger.	360.00
Cl. Shaft #1012	John Olds	Loss right index finger and half of right ring finger.	800.00
Holmes #403	Samuel Grenfell	Loss of half of right middle finger.	180.00
Maas #435	Charles Stanaway	Loss of one half of middle, ring and little fingers, left hand.	585.00
Maas #440	Herman Alarko	Severe laceration of right hip.	240.00

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

11.

a. Workmen's Compensation ( continued )

<u>Mine &amp; Report No.</u>	<u>Name</u>	<u>Nature of Injury</u>	<u>Amount Paid</u>	<u>Interest Collected</u>
Morris-Lloyd #745	August Mattson	Loss 1/2 left index finger	\$ 101.80	0.00
Morris-Lloyd #750	Matt Oesta	Fractured left leg.	503.14	246.00
Negaunee #564	Mike Airaudi	Fractured right arm and fracture of 5 ribs on right side.	750.00	648.00*
Republic #813	Henry Kangas	Fracture of both bones of right leg with dislocation at ankle joint.	250.11	133.36*
Hill-Trumbull #63	John Carlson	Fractured skull	192.08	379.14

\* Denotes incomplete payments.

The following lump sum payments were made during the year:

		<u>Amount Paid</u>	<u>Interest Collected</u>
Beatrice Fish	Maas Crusher Acc. Rep. #4. Covers period from 12/14/32 to 6/27/33 - 28 weeks at \$18.00 per week.	\$ 504.00	0.00
Josephine Tatrault	Ogden Mine Acc. Rep. #4. Covers period from 12/15/32 to 3/29/33 - 15 weeks at \$13.68 per week and covering period from 10/20/32 to 12/14/32 - 8 weeks at \$13.68 per week	205.20	0.00
May Hill	Barnes Hecker Mine Acc. Rep. #157. Covers period from 2/6/30 to 8/26/31 - 81 weeks at \$14.00 per week.	1005.28	128.72
Clara Huot	Barnes Hecker Mine Acc. Rep. #158. Covers period from 5/23/32 to 8/3/32 - 10 1/2 weeks at \$14.00 per week	147.00	0.00

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued) Amount Paid Interest Collected

Name	Account	Period	Rate	Amount Paid	Interest Collected
Elizabeth M. Pope	Barnes-Hecker Mine Acc.	Rep. #171. Covers period from 8/20/31 to 2/10/32	25 weeks at \$406 per week	\$ 101.50	0.00
Fiina Kakkuri	Barnes-Hecker Mine Acc.	Rep. #160. Covers period from 11/14/29 to 8/3/32	142 weeks at \$406 per week.	503.14	73.38
Russell Johnson	Athens Mine Acc.	Rep. #183 Covers period from 8/13/28 to 5/27/33. 250 weeks at 3.00 per week.		750.00	0.00
A. M. Ogness	Cliffs Shaft Mine Acc.	Rep. #961. Covers period from 8/1/28 to 6/23/36 - 412 weeks at \$10.00 per week.		3470.71	649.29
Isaac Hill	Maas Mine Acc.	Rep. #377. Covers period from 11/15/28 to 12/19/34 - 318 weeks at \$7.00 per week.		1942.08	283.92

As arranged for and begun in 1913, all compensation due in fatal cases and compensation to be paid in cases of injury for which a definite total amount is to be paid in accordance with the provisions of the compensation law was credited to an account called "Personal Injury Accounts Payable" and a corresponding charge was made against the mine at which the accident occurred and in the month of occurrence whenever possible, but if not, the charge was made in the following month. The compensation payments to men in these cases or to the dependents are made in the regular way weekly and charged to this account.

In April 1928, a new plan was adopted. An account has been set up and called "Personal Injury Expense Reserve".

This Reserve is accumulated by setting up 2% of the payrolls. It was made retroactive to January 1, 1928.

This was made effective at all properties except the Boeing Mine, charges for this mine being made on old plan.

No future charges will be made to P.I.A.P. account. The present amounts still in this account to be paid out in the old manner until the account is exhausted.

On the following page will be found a statement showing the balance due in different accident cases occurring during the years 1919 to 1927 inclusive.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11. Workmen's Compensation (continued)

a. Workmen's Compensation (continued)

BALANCE DUE PERSONAL INJURY ACCOUNTS PAYABLE, DECEMBER 31, 1928

MINING DEPARTMENT

<u>Year of Account</u>	<u>Names of dependents to whom Compensation Payments are payable</u>		
1919	Matt Eddy	\$	107.64
1923	Annie Koski Hakkala		42.00
1924	Mary Harrington	\$	323.84
	Hanna Salmi		<u>1092.00</u>
			1415.84
1925	Exilda Mountjoy		1792.00
	Isaac Salmi		<u>560.00</u>
			2352.00
1926	Ida Eckstrom		2366.00
	Rinaldo Feroni		2940.00
	Mary Gustafson		2198.00
	Katie M. Mitchell		2744.00
	Teresa Paris		2604.00
	Toini Setala, Guardian		<u>1162.00</u>
			14014.00
1927	Carolina Delbello and Jacob Delbello, Guardian		3164.00
	Beatrice Fish		3762.00
	Andrew Niemi		1464.92
	Josephine Tatrault		<u>2722.32</u>
			11113.24
	THE CLEVELAND-CLIFFS IRON COMPANY		\$ 29044.72
1923	Evelyn Carlson-Danielson		434.00
1924	Rose Remillard-Chaput		<u>854.00</u>
	THE ATHENS IRON MINING COMPANY		<u>1288.00</u>
	TOTAL-ALL COMPANIES		30332.72

FRANK JARVA - BRONCHITIS WITH ACC. INJ. 1926  
Injured on May 5, 1926  
Fracture of left leg.

He would not sign final settlement receipt. A hearing was held on February 6th and the decision was in our favor and the case was closed.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

During the year a number of hearings were held in contested cases:

ALBERT LAJOIE - MORRIS-LLOYD MINE ACC. REP. #730  
Injured on April 27, 1927  
Thumb nearly severed.

Following a large number of conferences with him, hearing was held on September 17th at Marquette, and the case was decided in our favor, it having been shown that he had been regularly employed since the time of his recovery.

HENRY SPENCER - MAAS MINE ACC. REP. #423  
Injured on January 25, 1928  
Fatal

Spencer had not been living with his wife for ten years. The hearing was held on September 17th at Marquette, at which time it was determined that Mrs. Spencer had been dependent upon him and was so at the time of his death. Payments are being made accordingly.

WILFRED LYONS - MAAS MINE ACC. REP. #404  
Injured on June 30, 1926  
Strained muscles of back and abdomen. Injury to base of spine.

This man was sent to Milwaukee and to Ann Arbor, but results were not satisfactory. Hearing was held on February 6th and before full Board June 2nd, and the case was decided against us and he is receiving his regular compensation.

JOHN DELANGLO - STEPHENSON MINE ACC. REP. #724  
Injured on June 22, 1925  
Fracture of left clavicle

This man was sent to Milwaukee for treatment and operation, and we felt that he was able to resume work, but he would never attempt it. Hearing was held on February 6th, and the decision of the Commission was in our favor and the case was closed.

SOLOMON OURULA - AUSTIN MINE ACC. REP. #83  
Injured on March 21, 1927  
Fracture of left leg.

This man did not get along very well and was complaining of not being able to go to work at his regular occupation. We asked for a stop order and a hearing was held on February 6th, and the decision was in our favor and the case was closed.

FRANK JARVI - NEGAUNEE MINE ACC. REP. #515  
Injured on May 5, 1926  
Fracture of left leg.

He would not sign final settlement receipt. A hearing was held on February 6th and the decision was in our favor and the case was closed.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

The annual statement of Workmen's Compensation which is attached, shows the payments made during the year on account of accidents which occurred in 1928 and also those which occurred in the years 1918 to 1927.

In those cases for which a definite amount is still to be paid at the end of 1928, these amounts are set up in the column of the annual statement as "Compensation Still Pending."

In the case of some accidents, especially those which occurred late in the year, it is impossible to know definitely just how long the disability may continue and in these cases an estimate is made based on reports of the physicians and the corresponding amounts are included in "Compensation Still Pending." The number of such cases is small in comparison to the total so that the amount involved in these estimates does not affect the percentage of cost to a great extent.

The total amount of compensation to be paid after December 31, 1928 is \$245,316.89, this being the total for all mines of the Company.

Of the above amount there is pending for the years 1919 to 1927, \$227,615.30, and for the year 1928, \$17,701.59.

The compensation payments for accidents which occurred in 1928 including medical payments for the year amount to a percentage of .01357 of the year's payroll.

The rate of payments for medical and hospital service on account of Workmen's Compensation which was adopted in 1918 was 40¢ per man per month. This rate continued until July 1927 and a new rate was adopted beginning August 1, 1927 of 50¢ per man per month. In addition to this amount, there are occasionally cases in which a man has to be sent to a specialist and this medical service is also included in the statement.

The payments on account of Workmen's Compensation, including the payments to the physicians, are given in the following table for the years 1912 to 1928 inclusive.

<u>Year</u>	<u>C.C.I.Co.</u>	<u>Negaunee Mine Co.</u>	<u>Athens Iron Mining Co.</u>	<u>Mesaba Cliffs</u>	<u>C.P.&amp;I.</u>	<u>Total</u>
1912	\$ 1073.81	105.08				1178.89
1913	13149.70	1152.87	27.15			14329.72
1914	27416.82	2840.13	446.63			30703.58
1915	15657.71	1699.28	656.07			18013.06
1916	32404.74	3496.75	672.29			36573.78
1917	45129.92	3501.30	911.46			51342.68
1918	43734.77	6198.93	1197.57			51131.27
1919	59417.51	11724.68	2234.77	263.00		73639.96
1920	59535.76	8888.01	2928.15	3057.46		74409.38
1921	59065.26	4709.80	5208.92	2953.08		71937.06
1922	56794.35	5283.24	2048.23	1866.67		65992.49
1923	57856.37	4142.00	5007.88	4874.48		71880.73
1924	56335.89	5487.07	6394.01	9408.59		77625.56
1925	49376.47	4464.79	8305.60	7316.55		69463.41
1926	51123.41	5433.85	7087.93	9537.84	514.40	73697.43
1927	86156.10	5311.69	5489.81	7147.98	939.86	105045.44
1928	<u>87186.58</u>	<u>6532.66</u>	<u>6235.08</u>	<u>4585.56</u>	<u>1831.30</u>	<u>106371.18</u>
TOTALS	801415.17	82772.13	54851.55	51011.21	3285.56	993335.62



PENSION DEPARTMENTANNUAL REPORTYEAR 192811. A- Workmen's Compensation (continued)STATEMENT OF COMPENSATION PAYMENTS FROM  
JANUARY 1ST, 1928 TO DECEMBER 31ST, 1928.

Compensation paid on 1928 accidents	\$ 10457.43	
Compensation still pending	245316.89	
Cost of Medical and hospital service	<u>14317.46</u>	
Total		\$ 270091.78
Less pendings for years 1919 to 1927 inclusive	227615.30	
Less medical paid on accidents occurring prior to January 1st, 1928.	<u>1651.61</u>	<u>229266.91</u>
Cost of 1928 accidents		\$ 40824.87
Percentage of Pay-roll		.01357
A - Number of accidents on which compensation payments were made		82
B - Number of non-compensable accidents		37
C - Number of slight accidents which caused not over 1 day's lost time		149

PENSION DEPARTMENT  
ANNUAL REPORT  
YEAR 1928

STATEMENT OF COMPENSATION PAYMENTS FROM  
JANUARY 1ST, 1928 TO DECEMBER 31, 1928

11		No. of Employees	No. of Fatal Accidents	No. of Non-Fatal Accidents			Act'l Comp. Paid in 1928	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	Estimated Com- pensation still Pending	Actual Payments To Phy- sicians	Fatal Cases Pending	Injury Cases Pending
	A- Personal Injury Accounts Payable						13561.85						2192.88	1110.72	1456.00	4166.00	3860.69	315.00	29044.72		13	3
	Barnes-Hoeker Per. Inj. Accts. Pay.						34382.96									34382.96			115195.35		48	
	Austin						1061.63						728.00						3220.00	27.00		1
	Cliffs-Shaft	301	1	19	9	45	8156.27						392.50		3918.71		1627.54	2217.52	5269.60	2264.63		7
	Cliffs-Shaft Laboratory	4					645.84												2372.22	25.00		1
	Francis						156.37					645.84						156.37	106.00	473.00		1
	Gardner-Mackinaw	79		2	1	6														227.75		
	General Storehouse	38				1														18.00		
	Gwinn District Crusher	8																		6.00		
	Gwinn District Office Expense	1																		1027.75		2
	Holmes	171		5	2	22	1137.54						374.14				430.40	333.00	1402.23	10.25		
	Ishpeming Hospital	3																		362.00		
	Ishpeming Office Expense	60																		1736.05		
	Maas	200	1	14	3	4	8336.16						510.38	2614.08	1694.00		941.53	2578.17	20456.62	35.00	1	5
	Maas Crusher	9																		147.00		
	Moving Maas Houses	33				1														1444.25		3
	Morris-Lloyd	228		6	3	18	2105.80						376.80	728.00				380.00	621.00	5566.22		
	Morris-Lloyd Laboratory	4																		22.00		
	Negaunee Hospital	2																		3.50		
	Ogden	57				2														173.25		
	Princeton	5					1439.36							728.00	711.36					8640.24		2
	Pension Department	5																		30.00		
	Purchasing Department	9																		55.00		
	Republic	61		4	1	4	1736.94							728.00				728.00	280.96	9028.42		3
	Spies-Virgil	94		1	3	3	210.49													409.55		
	Stephenson	22		1	1	4	4895.91	1218.21		586.04	1274.00						1607.67	195.99	14.50	562.50		
	Tilden	22		1	1	4	91.20													57.00		5
	The Cliffs Power & Light Co.	51	1	1	3	3	1489.30													27.87		1
	Negaunee	167	1	13	3	11	4328.68													33.00		
	Athens (P. I. A. P.)	167					2296.00													2203.98		1
	Athens	167					2824.83													1288.00		2
	Total - Michigan Mines	1874	4	75	33	150	88849.16	1218.21	430.56	586.04	1274.00	555.68	6649.66	5247.60	5509.44	4824.05	9260.95	9874.95	23778.69	1114.25	67	44
	The Holmes Cliffs Mining Co.	2																		5.50		
	Holman Washing Plant Lania	2																		3.50		
	Clarke Exploration	1																		1.50		
	Pontiac	1																		4.50		
	Wade-Holmer	6																		75.75		
	Mesaba Dist. Office Expense	8				1														49.00		
	Boeing (P. I. A. P.)	1					144.54															
	Boeing	1					2004.05															
	Hill-Drumbull (P. I. A. P.)	120		7	4	18	473.20								1432.32		572.03		7500.00	103.00		3
	Hill-Drumbull	140		7	4	19	3204.54							617.74		1432.32	572.03	582.47	28.00	1269.00		1
	Total - Minnesota Mines	140		7	4	19	3204.54							617.74		1432.32	572.03	582.47	7528.00	1511.75		4
	Total - All Mines	2014	4	82	37	149	92053.72	1218.21	430.56	586.04	1274.00	555.68	6649.66	5865.34	5509.44	49674.38	9832.98	10457.43	245316.89	14317.46	67	48

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

The following table shows the percentage of compensation costs since the law went into effect, the percentage of non-fatal accidents on which compensation payments were made, and the percentage of the cases in which compensation payments were made of the total number of men employed:

	Percentage of Payroll	Percentage of Compensable Accidents	Percentage of men paid compensation
1912 (4 months)	.00648		
1913	.01104	42.88	8.06
1914	.0160	42.49	6.51
1915	.01095	36.26	6.63
1916	.01903	43.76	8.29
1917	.01268	41.71	7.64
1918	.01214	37.61	5.73
1919	.00901	48.71	8.15
1920	.0079	60.56	10.52
1921	.01444	64.53	9.79
1922	.01570	68.49	10.22
1923	.01590	61.67	10.23
1924	.01885	66.59	10.15
1925	.01613	69.61	10.19
1926	.07641	66.75	10.73
1927	.01356	68.24	6.55
1928	.01357	69.92	4.27

Allan dependents residing outside of the United States and Canada shall be entitled to only 66-2/3 per cent of the Compensation otherwise provided.

A general change was made in the officials of the Department of Labor and Industry by appointment of Governor Green:

- Eugene J. Brock, Chairman
- Samuel H. Rhoads
- Isabel Larwill
- Theo. T. Jacobs
- Herbert P. Baker, Secretary

The only member allowed to remain on the Board from the former administration is Samuel H. Rhoads. Mr. Rhoads, who is an attorney, is a very capable man and acts as chairman of the Board of Hearings in the field with Miss Larwill and Mr. Jacobs as the other two members of the Board.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

a. Workmen's Compensation (continued)

MICHIGAN COMPENSATION LAW

The legislature in its session of 1927 passed a compromise measure having the following general provisions:

There were some very important changes.

The rate of compensation was raised from 60 per cent of the wages to 66-2/3 per cent. The maximum compensation was changed from the existing rate of \$14.00 per week to \$18.00 per week. This change raises the maximum death benefit which continues for 300 weeks from \$4200.00 to \$5400.00 and the compensation payable for 500 weeks for total disability from \$7,000.00 to \$9,000.00. All payments to be made weekly during the above periods as has always been provided by the compensation laws.

A minor between the ages of 17 and 18 years of age employed illegally shall be paid compensation double the amount otherwise provided for.

Upon the remarriage of a dependent wife, the compensation to such wife shall cease, but shall continue if there are dependent children, but not to anyone of the children over the age of 21 years unless physically or mentally incapacitated from working.

There is one very beneficial change in the law which does not penalize the employer if an employe cannot go back to the same occupation as that in which he was engaged at the time of injury, but permits him to be employed at some other occupation. The wording of the paragraph is as follows:

"Provided, The compensation payable when added to his wage earning capacity after the injury in the same or another employment, shall not exceed his average weekly earnings at the time of such injury." This should reduce the number of contested cases and make settlements in such cases much easier and less expensive.

Alien dependents residing outside of the United States and Canada shall be entitled to only 66-2/3 per cent of the Compensation otherwise provided.

A general change was made in the officials of the Department of Labor and Industry by appointment of Governor Green:

Eugene J. Brock, Chairman  
Samuel H. Rhoads  
Isabel Larwill

Theo. T. Jacobs  
Herbert F. Baker, Secretary

The only member allowed to remain on the Board from the former administration is Samuel H. Rhoads.

Mr. Rhoads, who is an attorney, is a very capable man and acts as chairman of the Board of Hearings in the field with Miss Larwill and Mr. Jacobs as the other two members of the Board.

Maximum weekly compensation	6.00	5.50	8.00	8.00
Waiting period	2 weeks	1 week	1 week	1 week
Waiting period picked up at end of	-----	-----	4 weeks	4 weeks
Maximum death payment	\$3000.00	\$4500.00	\$7500.00	\$7500.00
Maximum compensation for total disability	4000.00	5000.00	10000.00	10000.00

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

a. Workmen's Compensation (continued)

b. MINNESOTA COMPENSATION LAW

There were no changes made in the Minnesota Law during the year. The Industrial Commission has remained the same as it has been for some years:

- J. D. Williams, Chairman
- F. A. Duxbury
- Henry McColl

\*\*\*\*\*

The following table shows the principal items of the changes made at different periods as affecting our properties:

<u>MICHIGAN LAW</u>	When Law went	As amended	In effect	In effect
	into effect	in effect		
	Sept. 1, 1912	Aug. 14, 1919	Aug. 18, 1921	Sept. 4, 1927
Percentage of weekly wages	50	60	60	66-2/3
Maximum weekly compensation	\$10.00	14.00	14.00	\$ 18.00
Minimum weekly compensation	4.00	7.00	7.00	7.00
Waiting Period	2 weeks	1 week	1 week	1 week
Waiting period picked up at end of	8 weeks	6 weeks	6 weeks	6 weeks
Maximum death payment	\$3000.00	\$4200.00	\$4200.00	\$5400.00
Maximum compensation for total disability	\$4000.00	\$6000.00	\$7000.00	\$9000.00

There has been no considerable change in the Compensation Law of Minnesota since 1923.

Compensation matters since June 1, 1921, have been handled by the Industrial Commission in a manner similar to the Michigan practice and it has been very satisfactory.

The Commission has more powers of settlement, than under the Michigan Law and it enables us more easily to settle contested cases as it is held that if a man can return to work at some occupation he can be settled with and not necessarily be considered a total disability case as has been true up to Sept. 4, 1927 under the Michigan Law if he cannot return to the identical occupation in which he was engaged at the time of the injury.

The following table shows the principal items of the law in which changes have been made at the different periods stated below:

<u>MINNESOTA LAW</u>	When Law went	As amended	As amended	In effect
	into effect	April 26th	June 6	since
	Oct. 1st, 1913	1919	1921	Oct. 1, 1923
Percentage of weekly wages	50	66-2/3	66-2/3	66-2/3
Maximum weekly compensation	\$10.00	\$15.00	\$ 18.00	\$20.00
Minimum weekly compensation	6.00	6.50	8.00	8.00
Waiting period	2 weeks	1 week	1 week	1 week
Waiting period picked up at end of	-----	-----	4 weeks	4 weeks
Maximum death payment	\$3000.00	\$4500.00	\$7500.00	\$7500.00
Maximum compensation for total disability	4000.00	5000.00	10000.00	10000.00

PENSION DEPT.  
PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928  
YEAR 1928

11. Benefit Funds

The general Benefit Funds were wiped out during the year 1927, and a complete report is shown in the annual report for that year.

Reference is made here so that this statement may be readily located at any time.   
Widower men had been signed. These three reside in Finland, and early in the year of 1927, the signed papers were received from them. Compensation has been paid every two weeks to all dependents living in this country, and once a month to a dependent living in England, and once every two weeks to the three dependents living in Finland.

The following lump sum payments have been made to widows of the Barnes-Recker men; detail of payment being shown in the regular sheet of lump sum payments for the year.

- MAY HILL - Amount paid was for the purchase of a house at Pieris.
- CLARA BROT - For the payment of store bills and for dental work required.
- ELIZABETH W. ROPE - For special expenses and dental work.
- PIIRA KAKKARI - For payment of old bills.

Two of the widows have remarried: Mrs. Elsie Chapman and Mrs. May Hill.

During the year we have helped a large number of these families in the matter of advice and counsel in their affairs.

A special donation payment equalling the compensation payments has been made every two weeks to the widows and dependents in this country and at the same intervals to the one in England and the three in Finland that the regular compensation payments are made.

We have advised all of these people to be as careful of the money as possible and that they should endeavor to save a considerable proportion of it to help provide for the future.

On the following sheets is shown the amounts of Compensation and Donations apportioned to each family, the amounts paid and the balance to be paid.

The Compensation payments began on November 8, 1926, and the Donations on January 1, 1927.

Name	Compensation	Donations	Balance
MAY HILL	1,000.00	1,000.00	0.00
CLARA BROT	1,000.00	1,000.00	0.00
ELIZABETH W. ROPE	1,000.00	1,000.00	0.00
PIIRA KAKKARI	1,000.00	1,000.00	0.00
...	...	...	...
TOTAL	4,000.00	4,000.00	0.00

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

c. Workmen's Compensation

11.

c. Workmen's Compensation -- Barnes-Hecker

Dec. 31, 1928

	Compensation	Paid to	Interest on	Balance
	P	2/31/28	Lump Sum Pmts.	Due
	<u>BARNES-HECKER</u>			
At the end of 1926, all but three agreements with the families of the Barnes-Hecker men had been signed. These three reside in Finland, and early in the year of 1927, the signed papers were received from them. Compensation has been paid every two weeks to all dependents living in this country, and once a month to a dependent living in England, and once every ten weeks to the three dependents living in Finland.				2546 00
The following lump sum payments have been made to widows of the Barnes-Hecker men; detail of payment being shown in the regular sheet of lump sum payments for the year.				2546 00
MAY HILL - Amount paid was for the purchase of a house at Diorite.				2546 00
CLARA HUOT - For the payment of store bills and for dental work required.				2546 00
ELIZABETH M. POPE - For special expenses and dental work.			73 38	0 00
FIINA KAKKURI - For payment of old bills.				2546 00
Two of the widows have remarried: Mrs. Elsie Chapman and Mrs. May Hill.				2546 00
During the year we have helped a large number of these families in the matter of advice and counsel in their affairs.				2546 00
A special donation payment equalling the compensation payments has been made every two weeks to the widows and dependents in this country and at the same intervals to the one in England and the three in Finland that the regular compensation payments are made.				2546 00
We have advised all of these people to be as careful of the money as possible and that they should endeavor to save a considerable proportion of it to help provide for the future.				2546 00
On the following sheets is shown the amounts of Compensation and Donations apportioned to each family, the amounts paid and the balance to be paid.				2002 00
The Compensation payments began on November 5, 1926, and the Donations on January 1, 1927.				2546 00
	4200 00	1540 00		2716 00
	4200 00	1554 00		2660 00
	4200 00	1554 00		2646 00
	4200 00	1540 00		2660 00
	4200 00	1554 00		2646 00
	4200 00	1540 00		2660 00
	1977 00	731 49		1245 51
	4200 00	1540 00		2660 00
	4200 00	1554 00		2646 00
	1372 00	1372 00		
	189181 00	73486 06	439 59	118196 35

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

c. Workmen's Compensation (continued)

<u>BALANCE DUE BARNES-HECKER P. I. A. P. PENSIONS</u>		<u>Dec. 31, 1928</u>				
<u>Case No.</u>	<u>Name</u>	<u>Compensation Payable</u>	<u>Paid to 12/31/28</u>	<u>Interest on Lump Sum Payts.</u>		<u>Balance Due</u>
	Herman Aho	4200 00	1554 00			2646 00
	Peter Carlyon	4200 00	1554 00			2646 00
	Raymond Carlyon	1218 00	450 66			767 34
	William Carlyon	4200 00	1540 00			2660 00
	Edwin Chapman	4200 00	1554 00			2646 00
	Herman Chapman	2172 00	803 64			1368 36
	Thomas Drew	2100 00	749 00			1351 00
	Peter Durocha	4200 00	1554 00			2646 00
	Earl J. Ellersick	4200 00	1554 00			2646 00
	Gust Frendi	4200 00	1540 00			2660 00
	Joseph Gelmi	4200 00	1554 00			2646 00
	James Greene	4200 00	1554 00			2646 00
	Henry Haapala	4200 00	1540 00			2660 00
	Jack J. Hanna	4200 00	1554 00			2646 00
	Arvid Heino	4200 00	1554 00			2646 00
	Nels Hill	4200 00	3124 50		249 50	826 00
	William Huot	4200 00	1701 00			2499 00
	William Kakkuri	1218 00	1144 62		73 38	0 00
	Arvid Kallio	4200 00	1540 00			2660 00
	Thomas Kirby Sr.	4200 00	1540 00			2660 00
	Thomas Kirby Jr.	4200 00	1540 00			2660 00
	Uno Koskinen	4200 00	1540 00			2660 00
	Theodore Kiuru	1446 00	530 20			915 80
	Ed. Laituri	4200 00	1540 00			2660 00
	George Lampshire	4200 00	1540 00			2660 00
	Richard Lampshire	4200 00	1554 00			2646 00
	John Luoma	4200 00	1540 00			2660 00
	Emil Mackie	4200 00	1554 00			2646 00
	Joseph Mankee	1218 00	653 66			564 34
	Walter Mattila	4200 00	1484 00			2716 00
	Solomon Myllymaki	4200 00	1554 00			2646 00
	Peter Mongiat	4200 00	1540 00			2660 00
	Sam Phillippi	4200 00	1540 00			2660 00
	W. Harry Quayle	4200 00	1554 00			2646 00
	Elias Ranta	4200 00	2081 29		116 71	2002 00
	John Santti	4200 00	1540 00			2660 00
	James Scopel	4200 00	1540 00			2660 00
	Clement Simoneau	4200 00	1554 00			2646 00
	Nestor Sulonen	4200 00	1484 00			2716 00
	Eric Timo	4200 00	1484 00			2716 00
	Walter Tippett	4200 00	1540 00			2660 00
	William F. Tippett	4200 00	1554 00			2646 00
	William Tuomela	4200 00	1554 00			2646 00
	Louis Trudell	4200 00	1540 00			2660 00
	Nick Valenti	4200 00	1554 00			2646 00
	Solomon Walimaa	4200 00	1540 00			2660 00
	Harvey Wepsola	1977 00	731 49			1245 51
	John Wiljanen	4200 00	1540 00			2660 00
	William Hill	4200 00	1554 00			2646 00
	Wilfred Wills	1372 00	1372 00			
		189121 00	73486 06		439 59	115195 35



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

11.

c. Workmen's Compensation ( continued )

Case No.	Name	Donations Payable	Weekly Compensation	Amount Paid		Total	Balance Due
				1927	1928		
1	Hilma Aho	4200 00	14 00	714 00	728 00	1442 00	2758 00
2	Sarah J. Carlyon	4200 00	14 00	714 00	728 00	1442 00	2758 00
3	Sarah J. Carlyon	1218 00	4 06	207 06	211 12	418 18	799 82
4	Elly Carlyon	4200 00	14 00	714 00	728 00	1442 00	2758 00
5	Elsie Chapman	4200 00	14 00	714 00	728 00	1442 00	2758 00
6	Elsie Chapman	2172 00	7 24	369 24	376 48	745 72	1426 28
7	Elizabeth E. Drew	2100 00	7 00	357 00	364 00	721 00	1379 00
8	Vangeline Durocha	4200 00	14 00	714 00	728 00	1442 00	2758 00
9	Sarah Ellersick	4200 00	14 00	714 00	728 00	1442 00	2758 00
10	Anna Frendi	4200 00	14 00	714 00	728 00	1442 00	2758 00
11	Emma Gelmi	4200 00	14 00	714 00	728 00	1442 00	2758 00
12	Marie Greene	4200 00	14 00	714 00	728 00	1442 00	2758 00
13	Ina Haapala	4200 00	14 00	714 00	728 00	1442 00	2758 00
14	Florence M. Hanna	4200 00	14 00	714 00	728 00	1442 00	2758 00
15	Toini Heino	4200 00	14 00	714 00	728 00	1442 00	2758 00
16	May Hill	4200 00	14 00	714 00	728 00	1442 00	2758 00
17	Clara Huot	4200 00	14 00	714 00	728 00	1442 00	2758 00
18	Einar Mantela-Admin.	400 00		400 00		400 00	- -
19	Fiina Kakkuri	1218 00	4 06	207 06	211 12	418 18	799 82
20	Sanna Kallio	4200 00	14 00	714 00	728 00	1442 00	2758 00
21	Anna Kirby	4200 00	14 00	714 00	728 00	1442 00	2758 00
22	Bertha Kirby	4200 00	14 00	714 00	728 00	1442 00	2758 00
23	Viana Koskinen	4200 00	14 00	714 00	728 00	1442 00	2758 00
24	John Kiuru	1446 00	4 82	245 82	250 64	496 46	949 54
25	Alli Laituri	4200 00	14 00	714 00	728 00	1442 00	2758 00
26	Alice Lampshire	4200 00	14 00	714 00	728 00	1442 00	2758 00
27	Esther Cowling-Guardian	4200 00	14 00	714 00	728 00	1442 00	2758 00
28	Ellen Luoma	4200 00	14 00	714 00	728 00	1442 00	2758 00
29	Lempi Mackie	4200 00	14 00	714 00	728 00	1442 00	2758 00
30	Elizabeth M. Pope	1218 00	4 06	207 06	211 12	418 18	799 82
31	Lempi E. Matttila	4200 00	14 00	714 00	728 00	1442 00	2758 00
32	Mini Myllimaki	4200 00	14 00	714 00	728 00	1442 00	2758 00
33	Valentina Mongiat	4200 00	14 00	714 00	728 00	1442 00	2758 00
34	Mary Phillippi	4200 00	14 00	714 00	728 00	1442 00	2758 00
35	Louisa Quayle	4200 00	14 00	714 00	728 00	1442 00	2758 00
36	Amanda Ranta	4200 00	14 00	714 00	728 00	1442 00	2758 00
37	Nanna Santti	4200 00	14 00	714 00	728 00	1442 00	2758 00
38	Frances Scopel	4200 00	14 00	714 00	728 00	1442 00	2758 00
39	Elna Simoneau	4200 00	14 00	714 00	728 00	1442 00	2758 00
40	Matilda S. Sulonen	4200 00	14 00	714 00	728 00	1442 00	2758 00
41	Amalio Temo	4200 00	14 00	714 00	728 00	1442 00	2758 00
42	Marian Tippett	4200 00	14 00	714 00	728 00	1442 00	2758 00
43	Nellie Tippett	4200 00	14 00	714 00	728 00	1442 00	2758 00
44	Florence Tuomela	4200 00	14 00	714 00	728 00	1442 00	2758 00
45	Delia Trudell	4200 00	14 00	714 00	728 00	1442 00	2758 00
46	Mary Valenti	4200 00	14 00	714 00	728 00	1442 00	2758 00
47	Mary Walimaa	4200 00	14 00	714 00	728 00	1442 00	2758 00
48	Adam Wepsola	1977 00	6 59	336 09	342 68	678 77	1298 23
49	Frank Wickman	400 00		400 00		400 00	- -
50	Eliina Wiljanen	4200 00	14 00	714 00	728 00	1442 00	2758 00
51	Elizabeth Hill	4200 00	14 00	714 00	728 00	1442 00	2758 00
				32717 33	32543 16	65260 49	123288 51

Jan. 1, 1928

Oct. 10, 1928

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23.

a. Pension System

The year 1928 completed the twentieth year of the operation of the Pension System.

The following pensions were granted during the year:

No.	Name	Mining Department	Mine	Date Pension began	Monthly Payment
219	John H. Wills		Cliffs Shaft	Nov. 1, 1927	\$ 21.11
220	Simon Uren		Negaunee	Jan. 1, 1928	26.16
221	Henry Rasmussen		Negaunee	Jan. 1, 1928	31.31
222	Louis Rasmussen		Maas	Jan. 1, 1928	28.58
223	Henry Wiik		Negaunee	Jan. 1, 1928	25.32
224	Marcus Lindberg		Stephenson	Dec. 1, 1927	32.25
225	August Lindberg		Stephenson	Dec. 1, 1927	36.34
226	Louis Engen		Holmes	Jan. 1, 1928	19.84
227	James Eddy		Cliffs-Shaft	Feb. 1, 1928	32.03
228	David Holm		Negaunee	Jan. 1, 1928	35.34
229	John Lindquist		Stephenson	Jan. 1, 1928	33.64
230	Charles Fryk		Cliffs-Shaft	Feb. 1, 1928	19.10
231	Victor Silas		Gen. Sthse.	Aug. 1, 1928	28.41

The following Old Age Pensions ceased during the year:

No.	Name	Date Pensioned	Date Died
112	Emilio A. Russo	Mar. 1, 1921	Feb. 4, 1928
196	John Eagle	Apr. 1, 1926	Apr. 28, 1928
152	Ole Rye	Jan. 1, 1922	May 3, 1928
92	Gust Larson	Nov. 1, 1919	May 24, 1928
63	William A. Walton	June 1, 1915	May 31, 1928
228	David Holm	Jan. 1, 1928	June 8, 1928
79	John Phillips	Sept. 1, 1917	Aug. 8, 1928
226	Louis Engen	Jan. 1, 1928	Sept. 19, 1928
163	Isaac Tolonen	Oct. 1, 1923	Oct. 31, 1928
185	Christ Hanson	Aug. 1, 1925	Nov. 26, 1928
208	John Erickson	Apr. 1, 1927	Nov. 27, 1928

	1927	1928
Number of pensions granted during the year	16	13
Number of deaths	9	11
Number of Old Age Pensions in force Dec. 31.	120	122
Average Annual Pension, December	\$407.52	\$ 409.30

The following men were put on the Furnace Department Pension roll during the Year:

No.	Name	Where Employed	Date Pension Began	Monthly Payment
15	Charles Scanlan	Marquette	Jan. 1, 1928	\$ 28.15
16	Nick Johnson	Marquette	Jan. 1, 1928	28.55
17	Bat Dillon	Marquette	July 1, 1928	54.94

On December 31st there were nine pensioners on the Furnace Dept. roll with an average annual pension of \$613.96.

The following Old Age Pension ceased during the year:

No.	Name	Date Pensioned	Date Died
16	Nick Johnson	Jan. 1, 1928	Oct. 10, 1928

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23. a. Pension System (continued)

Total amount paid to Old Age Pensioners, 1908 to 1928 inclusive:  
follows:

	Mining Department	\$ 359,352.99	
	Furnace Department	26,262.54	
			\$ 385,615.53

Total amount paid to Widows and Orphans, 1908 to 1928 inclusive:

	Mining Department	22,547.00	
	Furnace Department	900.00	
			\$ 23,447.00
	Total pension payments		\$ 409,062.53

Mining Department pensions paid in 1928 were as follows:

	Old Age Pensions	\$ 51,869.03	
	Widows and Orphans	0.00	
			\$ 51,869.03

Pension payments for the years 1908 to 1928 inclusive are as follows:

<u>MINING DEPARTMENT</u>	<u>Year</u>	<u>Old Age</u>	<u>Widows &amp; Orphans</u>	<u>Total</u>
	1908	\$ 69.10	\$ 48.00	\$ 117.10
	1909	351.92	464.00	815.92
	1910	896.44	1043.00	1939.44
	1911	1690.37	2649.00	4339.37
	1912	3865.95	3113.00	6978.95
	1913	5133.62	3025.00	8158.62
	1914	6179.57	3403.00	9582.57
	1915	7910.35	2372.00	10282.35
	1916	8787.02	1694.00	10481.02
	1917	9327.22	1266.00	10593.22
	1918	8889.14	944.00	9833.14
	1919	9605.02	888.00	10493.02
	1920	12613.29	814.00	13427.29
	1921	21856.64	14.00	21870.64
	1922	29063.85	1168.00	29231.85
	1923	29564.57	1168.00	29732.57
	1924	31987.64	168.00	32155.64
	1925	34926.34	163.00	35089.34
	1926	38924.88	143.00	39067.88
	1927	45841.03	0.00	45841.03
	1928	51869.03	0.00	51869.03
		359352.99	22,547.00	381,899.99

REPUBLIC MINE

Republic	19	Soo, Michigan	1
Detroit	2	Marquette	1
Iron Mountain	1	Delevan, Wisconsin	1
Hard PENSION DEPT. nis	1	Ishpeming	1

PENSION DEPT.  
PENSION DEPT.  
ANNUAL REPORT  
ANNUAL REPORT  
YEAR 1918  
YEAR 1928

23.

a. Pension System (continued)

FURNACE DEPARTMENT

The Pension payments for the years 1910 to 1928 inclusive are as follows:

Year	Old Age	Widows & Orphans	Total
1910	\$ 111.75		\$ 111.75
1911	268.20	\$ 120.00	388.20
1912	268.20	180.00	448.20
1913	268.20	180.00	448.20
1914	268.20	180.00	448.20
1915	268.20	180.00	448.20
1916	268.20	60.00	328.20
1917	268.20		268.20
1918	268.20		268.20
1919	130.55		130.55
1920	223.80		223.80
1921	781.63		781.63
1922	1118.04		1118.04
1923	1179.38		1179.38
1924	2085.82		2085.82
1925	2833.39		2833.39
1926	5351.35		5351.35
1927	4819.73		4819.73
1928	<u>5481.50</u>		<u>5481.50</u>
	26,262.54	900.00	27,162.54

At the present time the pensioners on our payrolls live in the following localities:-

MINING DEPARTMENT

Localities	Number	Localities	Number
Ishpeming	70	Green Bay, Wisconsin	1
Negaunee	14	Richmond, California	1
Detroit	1	Detroit Lakes, Minnesota	1
Marquette	5	Waterbury, Conn.	1
Flint	1	Oak Park, Illinois	1
Lansing	1	Superior, Wisconsin	1
Gwinn	13	Virginia, Minnesota	1
Chicago	1	Lakewood, Ohio	1
Pelkie, Baraga County	1	Escondido, California	2
Battle Creek	1	Kingsbury, California	1
Michigamme	1	Springfield, Mass.	1
		Canada	2

FURNACE DEPARTMENT

Skandia	1	Gladstone	1
Kipling	4	Marquette	3

REPUBLIC MINE

Republic	19	Soo, Michigan	1
Detroit	2	Marquette	1
Iron Mountain	1	Delavan, Wisconsin	1
Gardena, California	1	Ishpeming	1

PENSION DEPT.  
PENSION DEPT.  
ANNUAL REPORT  
ANNUAL REPORT  
YEAR 1928  
YEAR 1928

23.

a. Pension System (continued)

LAND DEPARTMENT

Long Beach, California BY COMP L

The following men were put on the Republic Mine Pension roll during the year:

<u>No.</u>	<u>Name</u>	<u>Date Pen- sion Began</u>	<u>RESERVE UP</u>	<u>PAYMENTS Monthly</u>	<u>CHANGE</u>
33	Daniel Johnson	Jan. 1, 1928		\$ 41.87	
	The Cleveland-Cliffs Iron Co.	\$ 260,912.63	367,096.22	36,182.39	
	There are 27 pensioners on the Republic Mine roll, the average annual pension being \$ 465.16.				
	Republic Mine	14,794.44	-	14,794.44	
	Republic Mine	31,873.48	67,046.32	14,813.16	
					590.04

The payments made from October 1, 1920 to December 31, 1928 are as follows:

<u>PIRACRE DEPARTMENT</u>				
The Cleveland-Cliffs	1920 Co.	\$ 278.61		30,904.02
	1921	3427.97		
	1922	5672.84		
	1923	6641.51		
<u>LAND DEPARTMENT</u>				
The Cleveland-Cliffs	1924 Co.	8172.96		17,000.00
Bunker-Hill Mining Co.	1925	8379.08		
Munising Railroad Co.	1926	9539.90		
Nichigamse Company	1927	12185.24		
Total Land Department	1928	12768.21	666.72	17,000.00

<u>MINING DEPARTMENT</u>				
The Cleveland-Cliffs Iron Co.		\$67,066.32		
		\$6,107.55	5.00	36,102.65

<u>GRAND TOTAL</u>				
<u>LAND DEPARTMENT</u>		507,249.55	476,772.57	36,476.93

Eric Johnson continued on the pension roll during the year.  
 Total pension payments from January 1, 1928 to December 31, 1928, are as follows:

Total Interest	1927	\$ 333.36		106,248.41
	1928	333.36		
<u>TOTAL PENSION FUND</u>		\$ 666.72		136,725.39

SUMMARY

The Cleveland-Cliffs Iron Company - Pension Fund	106,973.27
Republic Mine - Pension Fund	27,752.12
<u>Total Pension Funds.</u>	<u>136,725.39</u>

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

a. Pension System (continued)

When we took over the Republic Mine on May 1st, 1914, the Republic Iron Company had in its possession the following funds:

BALANCE BY COMPANIES & DEPARTMENTS

	Sick Benefit Fund	\$ .75		
	Relief Fund	990.		
	Fatal Accident Fund		RESERVE	
			<u>SET UP</u>	
				<u>PAYMENTS</u>
				<u>BALANCE</u>
			<u>TOTAL TO DECEMBER 31, 1928</u>	
On November 16th, 1914, these funds were accepted by our Company as trustee for the men, the following				
<u>MINE DEPARTMENT</u>				
	The Cleveland-Cliffs Iron Co.	\$ 260,912.63	357,095.22	96,182.59
	The Negaunee Mine Company	36,971.72	24,776.77	12,194.95
	The Athens Iron Mining Co.	14,794.44	-	14,794.44
	Republic Mine	81,879.48	67,066.32	14,813.16
	<u>Total Mine Department</u>	<u>394,558.27</u>	<u>448,938.31</u>	<u>54,380.04</u>
<u>FURNACE DEPARTMENT</u>				
	The Cleveland-Cliffs Iron Co.	58,046.56	27,162.54	30,884.02

LAND DEPARTMENT

	The Cleveland-Cliffs Iron Co.	18,520.49	666.72	17,853.77
	Bunker-Hill Mining Co.	1.07	-	1.07
	Munising Railroad Co.	5.63	-	5.63
	Michiganme Company	9.98	-	9.98
	<u>Total Land Department</u>	<u>18,537.17</u>	<u>666.72</u>	<u>17,880.45</u>

LUMBERING DEPARTMENT

	The Cleveland-Cliffs Iron Co.	36,107.55	5.00	36,102.55
	<u>GRAND TOTAL ALL DEPARTMENTS</u>	<u>507,249.55</u>	<u>476,772.57</u>	<u>30,476.98</u>
<u>Plus Interest:</u>				
	The Cleveland-Cliffs Iron Co.	93,309.45	-	-
	Republic Mine	12,938.96	-	-
	<u>Total Interest</u>			<u>106,248.41</u>

RELIEF FUND  
 At the time the Relief Fund was purchased by our Company, the Relief Fund operated the Hospital.

S U M M A R Y

The Cleveland-Cliffs Iron Company - Pension Fund	108,973.27
Republic Mine - Pension Fund	27,752.12
<u>Total Pension Funds</u>	<u>136,725.39</u>

- from this Relief Fund there was paid:
1. The running expenses of the hospital
  2. 70 cents per man per month to the physician as salary for his services.
  3. Benefit payments for the first two weeks of disability caused by a mine accident, this payment being at the rate of 80 cents per day for each working day lost.

PENSION DEPT.  
PENSION DEPT.  
ANNUAL REPORT  
ANNUAL REPORT  
YEAR 1928  
YEAR 1928

23. b. Republic Mine Funds (continued)

b. Republic Mine Funds 1913, this plan of operation of the Hospital was changed. When we took over the Republic Mine on May 1st, 1914, the Republic Iron Company had in its possession as Trustee for the men, the following funds:

the amounts paid by the men for the medical service for themselves and family and the amounts paid by the Company to cover the care of injured men under the Sick Benefit Fund as provided in Law.

Since this change the Relief Fund has been reduced to \$990.87 and their payments to the Relief Fund on Fatal Accident Fund \$6132.79 per month and payments are made from this fund during the first two weeks of disability.

On November 16th, 1914, these funds were accepted by our Company as Trustees for the men, and interest has been credited on balances at the rate of 4 per cent. the payroll \$1.60 per man per month which is distributed as follows:

When these funds were turned over to us, the Fatal Accident Fund had been reduced by \$200.00 which had been paid to Mrs. Anne Sirtalo, on account of the death of her husband which had occurred shortly before we had purchased the property.

and to the first of August 1927 at which time the rate of payment to the Doctor for medical service was changed to \$1.25. The funds were for the following purposes:

SICK BENEFIT FUNDS

The contribution above paid, \$ .50 was divided into Sick benefits have been paid to men who were off on account of sickness and on the following basis: \$15.00 per month to each man off on account of sickness, but if there is not sufficient funds for this purpose in any month, the amount on hand is divided proportionally between those entitled to sick benefits.

The men contribute 20 cents per man per month to this Fund. at 1927:

FATAL ACCIDENT FUND

This fund was provided to make a payment, in case of a mine fatality of \$200.00, this to cover the funeral expenses and other items of expense which might have been incurred.

Originally, the men paid 20 cents per month and the company contributed an equal amount. On August 31, 1899, the Company discontinued its contribution to this Fund and the collections from the men ceased on December 31, 1908.

RELIEF FUND

At the time the property was purchased by our Company, the Relief Fund operated the Hospital.

For many years \$1.30 of the money collected from the men was paid to the Relief Fund.

On May 1, 1913, the contribution of the men to this Fund was reduced to \$1.20.

In April of 1914 the Company began its contribution of 10 cents per man per month on account of Workmen's Compensation, the contribution at that time to cover the first three months of 1914.

From this Relief Fund there was paid:

1. The running expenses of the hospital
2. 70 cents per man per month to the physician as salary for his services.
3. Benefit payments for the first two weeks of disability caused by a mine accident, this payment being at the rate of 80 cents per day for each working day lost.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

b. Republic Mine Funds (continued)

On September 1, 1916, this plan of operation of the Hospital was changed and it was put on the same basis as our other hospitals, the physician conducting the hospital on his own account, receiving for his services, the amounts paid by the men for the medical service for themselves and family and the amounts paid by the Company to cover the care of injured men under the provisions of the Compensation Law.

Since this change was made, the men have continued their payments to the Relief Fund on the basis of 30 cents per man per month and payments are made from this Fund during the first two weeks of disability on account of an accident.

When the Republic Mine has been operated on a full time basis, there has been collected on the payroll \$1.60 per man per month which is distributed as follows:

- First \$1.10 to resident physician.
- Second .50 to Relief and Sick Benefit Fund.

This payment continued to the first of August 1927 at which time the rate of payment to the Doctor for medical service was changed to \$1.25.

Formerly, of the contribution above paid, \$ .50 was divided into 20¢ to the Sick Benefit Fund and 30¢ to the Relief Fund. On February 1st, 1922, the Sick Benefit Fund and the Relief Fund were combined into one fund called the Relief and Sick Benefit Fund, their purpose being so similar.

Following will be found a statement of these funds for the year 1927:

<u>RELIEF AND SICK BENEFIT FUNDS</u>	
Balance on hand Jan. 1, 1927	\$ 3,528.24
Receipts during the year	759.31
Total	4,287.55
Disbursements during the year	540.30
Balance on hand December 31, 1927	3,747.25
<u>FATAL ACCIDENT FUND</u>	
Balance on hand Jan. 1, 1927	7,297.41
* Receipts during the year	294.78
Total	7,592.19
Disbursements during the year	0.00
Balance on hand December 31, 1927	\$ 7,592.19

\* The \$294.78 shown as Receipts is interest allowed by the Company. The men formerly contributed 20 cents per man per month but no collections have been made since December 31, 1908. The Company discontinued its contributions on August 31, 1899.



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

b. Republic Mine Funds (continued)

During the year, in view of the reduction in work at the Republic Mine, a careful investigation was made of the funds maintained at that property. We were successful in finding the rules and regulations under which the Club Funds were begun and maintained.

The plans for the distribution of these funds were carefully made and a meeting of the employes was held in the Republic School House on September 23, which was attended by practically all of the employes and by Mr. Thomas Clancey and the Secretary of this Department.

The Whole matter was very thoroughly explained by Mr. Clancey and after a full discussion it was unanimously voted that the collections from the men should cease at the end of September 1927 and that benefit payments should end with December 1927; that all of the men employed from September 1900 to September 1927 inclusive, should participate in the distribution of the funds remaining in the Fatal Accident Fund and the Relief and Sick Benefit Funds in proportion to the amount paid to these funds by these men.

The payments to the Fatal Accident Fund by the men began at a later date than the Relief & Sick Benefit Funds and ceased in December 1908 so that two distinct calculations must be made for both Funds. Some men had contributed to both Funds and some of the men had contributed only to the Relief & Sick Benefit Fund, those being the men beginning their employment at the mine after December 31st, 1908.

It was also voted that any money which could not be distributed by January 1st, 1929 because of inability of locating those to whom the money was due, should be turned over to the Red Cross Chapter of Marquette County to be used for relief work under their direction in Republic Township.

Complete lists of the men were made both of those who had paid into the Relief and Sick Benefit Fund and those who had paid into the Fatal Accident Fund.

There were 2922 names on the Relief & Sick Benefit Fund list and 2257 on the Fatal Accident Fund list.

As the rate of payment was changed a number of different time it was necessary to note on the individual sheets the exact amount which each man had paid into each fund.

Rubber stamps were secured showing the different amount which made the work that much faster.

The investigation was a long and tedious one as many men had moved away from Republic. Many had died making it necessary to investigate the whereabouts of their mothers, fathers, wives or children as the case required.

We wish to take this opportunity of recognizing the value of the assistance rendered by Mr. Thomas Chenhall, Clerk at the Republic Mine whose remarkable memory concerning these old employes rendered the work very accurate and saved a vast amount of investigation.

The first checks were sent out on October 29, 1928 and this has continued as fast as the people could be located and checks written.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

b. Republic Mine Funds (continued)

We have sent out checks to December 31, 1928, as follows:

Relief & Slick Benefit Fund	\$ 2,924.58
Fatal Accident Fund	5,352.68

For fear that others may be found later who are entitled to payments, the funds will be retained for a while before turning them over to the Red Cross Chapter of Marquette County to be later distributed by them for relief in Republic Township.

d. Visiting Nurses

The work of the visiting nurses continued during 1928, and the results were equal in satisfaction with those of previous years. The work was begun in Ishpeming on May 1, 1908; at Swinn on September 1, 1910, and at Hegaunee on September 1, 1912.

The following nurses were employed during the year:

Ishpeming -	Miss Myrtle V. Welander
Hegaunee -	Miss Ina E. Atkin
Iron River -	Miss Laura E. Fisk
	(who is employed jointly with other companies)

At Swinn the work of the Visiting Nurses ended on February 28, 1927, when the forces were so greatly reduced.

The following statement shows the cost of Visiting Nurses for the year 1928:

Place	Total for Year	Average per month
Ishpeming	\$ 2069.89	\$ 172.49
Hegaunee	2340.93	195.08
Iron River	231.05	24.25

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

c. Suspense Funds

In the 1918 Annual Report there is a complete statement of the payments made from the Suspense Fund from September 1st, 1912 at which time the Compensation Law in Michigan went into effect. The Funds are exhausted and report is made here from year to year so that it can always be readily determined where to look for the final report of the Suspense Fund.

Number of families visited for the first time	547
Number of Rest Cottage calls	322
Number of Social calls	3352

d. Visiting Nurses

The work of the visiting nurses continued during 1928, and the results were equal in satisfaction with those of previous years. The work was begun in Ishpeming on May 1, 1908; at Gwinn on September 1, 1910, and at Negaunee on September 1, 1912.

The following nurses were employed during the year:

Nationalities of new cases for the year:			
American	Ishpeming -	Miss Myrtle V. Welander	Norwegian
English	Negaunee -	Miss Ina E. Atkin	Swedish
Finnish	Iron River-	Miss Laura N. Fisk	
(who is employed jointly with other companies)			

At Gwinn the work of the Visiting Nurse ended on February 28, 1927, when the forces were so greatly reduced.

Asthma	3	Heart Trouble	3	Post Operative	20
Bowel trouble	2	Influenza	15	Prenatal	24
Bronchitis	15	Injury	1	Quincy	1
Burns	1	Intestinal Flu	1	Rheumatism	1
Colic	5	Miscar	1	Sore Eyes	2
Colds	5	Nephritis	2	Stomach	\$ 172.49
Diabetes	2	Neuritis	2340.93	Tonsillitis	19
Diphtheria Anti-Toxin	6	Obstetrical	27	Undiagnosed	14
Diphtheria Anti-Toxin	12	Operative	291.05	Var. Veins	24.25
Fracture	2	Otitis Media	6	Whooping cough	4
Gall Bladder	2	Paralysis	3		
		Pernicious Anemia	1		
		Peritonitis	1		
		Phlebitis	2		
		Paralytic arthritis	1		

Number of Families Investigated	13
Number of Investigation calls	8

Visiting Nurse: Miss Myrtle Welander.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

d. Visiting Nurses

The following is the report of the Ishpeming Visiting Nurse for the year 1928:

Total number of patients cared for during year	547
Number of new cases cared for during year	322
Total number of visits to patients	3352
Number of families visited for the first time	48
Number of Rest Cottage calls	82
Number of Social calls	99
Number died	13

Classification of new cases for the year:

Number of adults	174	Male	4	Female	170
Number of Children	148	Male	69	Female	79

Nationalities of new cases for the year:

American	250	French	4	Norwegian	6
English	19	Irish	1	Swedish	4
Finnish	24	Italian	14		

Diseases and number of new cases:

Anemia	1	General Debility	1	Pneumonia	9
Appendicitis	1	Grippe	3	Post Operative	28
Asthma	3	Heart Trouble	3	Prenatal	34
Baby Welfare	10	Infants, newborn	29	Pul. Tuberculosis	3
Bowel trouble	2	Infections	5	Quincy	1
Bronchitis	15	Influenza	15	Rheumatism	1
Bronchial asthma	1	Injury	11	Rupture	1
Burns	1	Intestinal Flu	1	Sore Eyes	2
Carcinoma	5	Miscarriage	1	Stomach Trouble	6
Colds	5	Nephritis	2	Tonsilitis	17
Cystitis	2	Neuritis	1	Unclassified	13
Diabetes	2	Obstetrical	27	Undiagnosed	14
Diphtheria	1	Operative	1	Var. Veins	4
Diphtheria Anti-Toxin	6	Otitis Media	6	Whooping cough	4
Diphtheria Toxin-Anti-Toxin	12	Paralysis	3	Unclassified	10
Fracture	2	Pernicious Anemia	1	Undiagnosed	1
Gall Bladder	2	Peritonitis	1	Uterine Tumor	1
General Debility	1	Phlebitis	2	Urticaria	1
Gall Stones	2	Paralysis Agitans	1	Var. Veins	5
				Whooping cough	16

Number of families investigated 13  
Number of investigation calls 8

Number of families investigated - G. C. I. Co. 41  
Woman's Welfare 6  
Number of investigation calls - G. C. Visiting Nurse: Miss Myrtle Welander.  
Woman's Welfare 7

Visiting Nurse: Miss Ina E. Atkin

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

d. Visiting Nurses (Continued)

The following is the report of the Negaunee Visiting Nurse for the year 1928:

Total number of cases cared for during year					80
Total number of patients cared for during year					1184
Number of new cases cared for during year					744
Total number of visits to patients					5435
Number of families visited for the first time					36
Number of Pension calls					78
Number of Donation calls					32
Number of Social calls					459
Number died					10
Classification of new cases for the year:					
Number of adults	332	Male	55	Female	277
Number of Children	412	Male	196	Female	216
Nationalities of new cases for the year:					
American	385	French	32	Swedish	24
English	45	Irish	1	German	1
Finnish	205	Italian	51	Unclassified	8
Diseases and number of new cases:					
Anemia	1	Grippe	155	Pleurisy	4
Appendicitis	8	Heart Trouble	5	Pneumonia	2
Apoplexy	4	Hysteria	1	Post Operative	19
Asthmas	2	Impetigo	3	Pregnancy	40
Bowel trouble	15	Infants, Newborn	62	Pul. Tuberculosis	4
Bronchitis	20	Infections	28	Quincy	3
Burns	7	Injury	30	Rheumatism	9
Carcinoma	1	Insanity	1	Rupture	2
Chicken Pox	9	Jaundice	6	Scarlet Fever	1
Chorea	1	Kidney Trouble	10	Sore Eyes	1
Colds	40	Lumbago	1	Sprains	2
Colic	6	Mal-Nutrition	6	Stomach Trouble	12
Croup	2	Mastoditis	1	Tonsilitis	29
Cystitis	3	Meningitis	1	Unclassified	10
Diabetes	1	Mumps	2	Undiagnosed	1
Diphtheria	4	Neuralgia	1	Uterine Tumor	1
Eczema	4	Obstetrical	64	Urticaria	1
Gall stones	4	Measles	61	Var. Veins	5
General Debility	1	Otitis Media	7	Whooping cough	16
Goitre	1	Pin worms	3		
Number of families investigated - C. C. I. Co.					
			41		
Woman's Welfare					
			6		
Number of investigation calls - C. C. I. Co.					
			89		
Woman's Welfare					
			7		
Visiting Nurse: Miss Ina E. Atkin					

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23.

d. Visiting Nurses (Continued)

The following is the report of the Iron River Visiting Nurse for the year 1928 as concerns the families of our own employes:

Total number of cases cared for during year	80	
Number of new cases cared for during year	78	
Total number of visits to patients	222	
Number died	0	
Classification of new cases for the year:		
Number of adults: 39 Male	2 Female	
Number of Children: 39 Male	23 Female	
Nationalities of new cases for the year:		
American: 18	Finnish: 17	Polish: 9
Austrian: 1	French: 8	Scotch: 1
English: 15	Italian: 7	Swedish: 2
Diseases and number of new cases for the year:		
Bronchitis: 5	Hemorrhage: 1	Osteomyelitis: 1
Colds: 3	Infant -Feeding: 12	Post Operative: 2
Consultations: 6	Infants-Newborn: 10	Prenatal: 5
Diabetes: 1	Influenza: 1	Rash: 1
Emesis & Dietary: 1	Infections: 5	Rheumatism: 1
Empyema: 1	Mal-nutrition: 1	Sore Eyes: 1
Enteritis: 3	Miscarriage: 2	Unclassified: 3
Grippe: 1	Obstetrical: 11	

Visiting Nurse: Miss Laura N. Fisk

NUMBER OF PATIENTS ATTENDED AND CALLS MADE BY VISITING NURSES.

	No. of Patients	No. of New Cases	Male Adults	Female Adults	Male Children	Female Children
Ishpeming	547	322	4	170	69	79
Negaunee	1184	744	55	277	196	216
Iron River	80	78	2	37	23	16
1924	1811	1144	61	484	288	311
1925	"	"	"	"	"	"
1926	Total No. Visits	Total No. of Patients died	Social Calls	Families visited First time	Pension Calls	
Ishpeming	3352	13	99	48	0	
Negaunee	5435	10	10	36	78	
Iron River	222	0	0	0	0	
Total	9009	23	109	84	78	

NATIONALITY OF CASES

	American	English	Finnish	French	Irish	Italian
Ishpeming	250	19	24	4	53	14
Negaunee	385	45	205	32	51	51
Iron River	18	15	17	8	0	7
Total	653	79	246	44	2	72

	German	Norwegian	Polish	Scotch	Swedish	Austrian
Ishpeming	0	6	0	0	4	0
Negaunee	1	0	0	0	24	0
Iron River	0	0	9	1	2	1
Total	1	6	9	1	30	1

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

e. Rest Cottage

f. North The Rest Cottage at Deer Lake was opened for guests on July 11th, and closed on September 1st. The work at the cottage was taken care of by Mrs. Petra Haglund with the assistance of Miss Olga Steve, and the service rendered was very satisfactory. The work was supervised by Miss Welander the Ishpeming Visiting Nurse, assisted by Miss Atkin the Negaunee Nurse. At the close of the season all the furniture and equipment was removed from the cottage and stored in the Cliffs-Shaft warehouse. The following table gives the number of guests and the cost of maintenance for the past twenty-one years:

<u>Year</u>	<u>Place</u>	<u>Number of Guests</u>	<u>Cost of Operation</u>
1908	The Maples	21	\$ 89.93
1909	Deer Lake	29	305.82
1910	" "	24	403.45
1911	" "	45	482.89
1912	" "	57	270.23
1913	" "	82	358.45
1914	" "	107	625.56
1915	" "	137	572.40
1916	" "	82	543.00
1917	" "	111	745.11
1918	Membership Fees - Men	51	720.20
1919	" "	84	797.69
1920	"Bowling Alleys	98	1005.83
1921	"Pool & Billiards	68	646.80
1922	"Miscellaneous	108	774.16
1923	" "	Total 87	625.80
1924	" "	72	744.51
1925	" "	95	653.10
1926	" "	91	744.98
1927	" "	96	833.73
1928	"Building - Maintenance	100	1019.70

Details of operation for the year 1928:

Number of meals furnished	2555
Total Guest days	608
Number of people at Rest Cottage	100
Average number of days per person	6.1
Number of days Cottage was open for guests	53
Average number of people at Cottage per day	11.5
Total cost of operation reduced to cost per guest per day	\$1.677
Miscellaneous	
Total	\$1916.58

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

f. North Lake Club

The work of the Club has continued under the charge of Joseph Pope. W. H. Thomas, Chief Clerk at the Morris-Lloyd Mine has acted as Treasurer and Mr. Stakel has given it his personal supervision.

The Club has been in constant use especially during the winter months.

Bowling, Billiards, Dances and Moving Pictures have continued very popular.

Basket-ball has been of great interest and a good team has played many interesting games.

The Ishpeming Sportsmans' Club held one meeting there showing pictures of outdoor life.

Following is the financial statement for the year:

Balance on hand January 1st, 1928	\$ 236.08	
Receipts during year 1928	<u>1846.98</u>	
Total		\$2083.06

Total Expenditures during year 1928	<u>1915.58</u>
Balance on hand December 31st 1928	\$ 167.48

Pool	34.88	24.34
Bowling Alleys	428.00	222.88
Buffet	901.44	249.57
Camp	62.00	25.58
<u>Total</u>	<u>4298.47</u>	<u>1600.72</u>

RECEIPTS

Membership Fees - Men	\$ 457.00
Theater	1069.25
Bowling Alleys	143.50
Pool & Billiards	114.85
Miscellaneous	<u>62.38</u>
Total	\$1846.98

EXPENDITURES

Buidling - Maintenance	171.97
Equipment	1.15
Lighting	230.54
Heating	171.83
Water	6.00
Bowling Alleys	102.06
Pool Room	2.57
Office Expense	126.69
Theater	1032.81
Reading Room	67.69
Miscellaneous	<u>2.27</u>
Total	\$1915.58



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

g. Gwinn Association (continued)

g. Gwinn Association

Salary Mr. E. L. Miller has continued in charge of the work as Superintendent under the personal supervision of Mr. Graff. 3408.88

The new plan of operation went into effect on October 1, 1927, at which time the Company reduced its salary payments to \$50.00 per month, paying this amount in order to maintain control and supervision of it.

Those employed at the mines pay 50 cents per month and the school board pays a substantial sum for the use of the building for its physical training and the assistance rendered by Mr. Miller in this and the athletic work.

It has worked out well for fifteen months and should be able to continue on this plan.

On the following sheets will be found a complete financial statement for the year and a statistical report prepared by Mr. Miller.

Attention is called to the following features from which a substantial revenue is received:

	Receipts	Expenditures	Profit
Theatre	2532.18	1713.23	818.95
Pool and Billiards	304.85	20.51	284.34
Bowling Alleys and School	498.00	275.72	222.28
Buffet	901.44	651.87	249.57
Camp	62.00	36.42	25.58
<b>Total</b>	<b>4298.47</b>	<b>2697.75</b>	<b>1600.72</b>

<u>EXPENDITURES</u>	
Building, Maintenance	172.82
Equipment	13.90
Education	29.15
Lighting	432.65
Heating	1085.14
Water	14.43
Bowling Alleys	275.72
Pool and Billiards	20.51
Buffet	651.87
Entertainments	7.43
Towels and Soap	7.20
Laundry	39.06
Office Expense	24.58
Camp	36.42
Salaries	4380.00
Theatre	1713.23
Library	1.00
Reading Room	20.00
Athletics	145.20
Music	140.21
Telephone	89.90
Radio	8.00
<b>Total</b>	<b>11222.65</b>

PENSION DEPT.

PENSION DEPT.

ANNUAL REPORT

ANNUAL REPORT

YEAR 1928

YEAR 1928

23.

g. Gwinn Association (continued)

23.

Balance on hand January 1st, 1928	\$ 1261.59
Receipts during the year	9408.65
<b>Total</b>	<b>\$ 10670.24</b>
Total Expenditures	9380.55
Balance on hand December 31st, 1928	1289.69

RECEIPTS.

Membership Fees -- Men	\$ 2502.50
Theatre	2532.18
Bowling Alley	498.00
Pool and Billiards	304.85
Buffet	901.44
Towels and Soap	49.95
Camp	62.00
Discount	13.72
Miscellaneous	9.16
Telephone	21.85
Rental and School	2513.00
<b>Total</b>	<b>9408.65</b>

MEMBERSHIP

EXPENDITURES

Building, Maintenance	172.82
Equipment	13.90
Education	29.15
Lighting	432.65
Heating	1085.14
Water	14.43
Bowling Alleys	275.72
Pool and Billiards	20.51
Buffet	651.87
Entertainments	7.48
Towels and Soap	7.20
Laundry	39.06
Office Expense	24.68
Camp	36.42
Salaries	4380.00
Theatre	1713.23
Library	1.00
Reading Room	55.85
Athletics	185.58
Music	140.91
Telephone	89.95
Radio	3.00
<b>Total</b>	<b>\$ 9380.55</b>

BUFFET

Receipts for year	301.44
Expenditures for year	651.87
Profit	350.43
Inventory January First 1929	59.00

PENSION DEPT.

PENSION DEPT.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23. g. Gwinn Association (continued)

The following report and summary of the activities of the Association has been taken from the monthly reports issued during the year.

Although the association during the past two years has lost many of the loyal supporters of it's work, new members have entered into the different activities and all departments have been able to carry on and operate successfully during the past year. The association tries to cover the field in a social, musical, recreational, athletic and a welfare entertainment way. Many of the events are of an annual nature and are looked forward to with much interest from year to year.

ATTENDANCE

There is no definite way of securing the attendance record of the number of persons making use of the building, but an estimated daily record is made and the following totals are considered conservative.

Total estimated attendance at building ..... 74540
Average monthly attendance ..... 6211

Total estimated attendance for all outdoor recreations supervised by association employees; including Ice Skating Rink, Playground and Tennis Court, Physical Training at High School Playgrounds, Baseball and Bass Lake Camp ..... 10150

MEMBERSHIP

The first complete year since the increase of the price in the membership fee from 25 cents to 50 cents per month, shows that the average monthly membership for 1928 is more than in 1927.

Number of members January First 1928 ..... 252
Number of members January First 1929 ..... 287
Low membership for year - May ..... 263
High membership for year - November ..... 310
Average monthly membership 1927 ..... 266
Average monthly membership 1928 ..... 280

RECEIPTS AND EXPENDITURES

Total receipts including 1927 balance ( \$1,261.59 ) .... \$ 10,670.24
Total expenditures for year ..... 9,380.55
Balance on hand January, First 1929 ... 1,289.69

THEATRE

Receipts for year ..... 2,532.18
Expenditures for year ..... 1,713.23

CRIBBAGE LEAGUE

Profit ..... 818.95

BUFFET

Receipts for year ..... 901.44
Expenditures for year ..... 651.87
Profit ..... 249.57
Inventory January First 1929 .. 58.00

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

g. Gwinn Association (continued)

BOWLING AND POCKET BILLIARDS

Receipts for year .....	802.85
Expenditures for year .....	296.23
Profit .....	506.62

306 - total number of shows held

GENERAL ACTIVITIES AND ORGANIZATIONS USING BUILDING

- 26 - Committee meetings; 3 by Board of Directors; 2 by American Legion; 3 by Sportsmen's Association; 4 by Managers of Inter-County Baseball League; 14 by other than Church organizations.
- 15 - Meetings by Episcopal Ladies Guild
- 2 - Meetings by St. Anthony's Ladies Guild
- 2 - Meetings by Methodist Ladies Aid
- 4 - Sales of Fancy work articles by Church organizations
- 6 - Inter-City cribbage matches held
- 7 - Meetings Women's Club State Health Dep't. Representative
- 10 - Social card parties
- 9 - Social events for school students under supervision high school
- 39 - Dances held during year; including social parties, dancing after basketball games; dancing classes and those covering some special event
- 67 - Lunches or dinners were served by different organizations

\*\*\*\*\*

LIBRARY

EVENTS OF SPECIAL INTEREST

- Annual Card Party by Local Council Girl Scouts
- Annual Silver Tea by Episcopal Ladies Guild
- Annual Easter Monday Ball by Archibald Basketball Team
- Annual Junior Prom by High School
- County Rally by Modern Woodman of America
- Annual Ceremonial Night by Girl Scouts
- Concert and Dance by Finnish Members of Assoc.
- Annual Township Caucus by Local Citizens
- Annual Fun and Frolic Night by Scout Troops
- Annual Hallow'een Party by High School Students
- Annual Dinner Dance by High School Alumni
- Concert and Dance by Association Band
- Annual Banquet and Round-up by Sportsmen's Association
- Annual Ball and Movie Show by Civic organization for Christmas Treat Fund
- Annual Firemen's Ball by Local Firemen
- Community Christmas Tree and Treat for Children by entire Community.

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CRIBBAGE LEAGUE

The inter-club cribbage league did not organize the past year, but a team representing the Association was formed and held matches with teams from other towns. Six matches were held with teams from Munising and Negaunee. Before each match a chicken dinner was served and the team consisted of twenty players. These events were very much enjoyed as a social affair.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

g. Gwinn Association (continued)

MUSICAL ORGANIZATIONS

MOVING PICTURE THEATRE

107 - Different pictures shown	
203 - Evening shows held	
103 - Matinees held	
306 - Total number of shows held	
19590 - Total paid attendance .....	Adults 12276
	Students 7314

SPECIAL FREE SHOWS

1 - show furnished by Sportsmen's Association .....	100
1 - health show furnished by state .....	75
1 - show furnished by Association and run seven times ..	620
1 - show furnished by Association and run three times ..	153
1 - show furnished by Association and run four times ...	550
Grand total for year .....	21088

ADMISSION PRICES CHARGED DURING YEAR

51 - shows at 15 cents	An admission price of 5 cents
56 - shows at 20 cents	was charged on all children
5 - shows no run charge	attending school.

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LIBRARY AND READING ROOM

LIBRARY

The club section of the library is starting to show the signs of much use, many of the books were repaired during the year and it was necessary to take some out on account of bad condition.

CLUB SECTION

Number of fiction books in library .....	685
Number of non-fiction books .....	190
Total number club section January First 1929 .....	875
Number of books added 1928 .....	7
Number of books withdrawn (bad condition) .....	62

SCHOOL SECTION

The school extension library is for the use of adults only and the books are the property of the Township schools. The books are placed in the association building to give those unable to visit the schools an opportunity to secure them.

Number books in school section January First 1929 .....	91
Number of books added during the year .....	6
Number of books loaned from club section .....	942
Number books loaned from school section .....	574
Total number books loaned during year .....	1516
Number of books loaned per month .....	126

READING ROOM

The following number of magazines and newspapers are received and placed on the racks, tables and files in the reading room.

Weekly Magazines .....	6	Weekly newspapers .....	3
Monthly Magazines .....	17	Daily Newspapers .....	2

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

23. g. Gwinna Association (continued)

g. Gwinna Association (continued)

MUSICAL ORGANIZATIONS

ASSOCIATION BAND

One of the most entertaining features of the year was the interest and work of the band members. The organization had an average membership for the year of twenty pieces in the senior department and seventeen members in the Junior. Both organization held weekly rehearsals and during the summer concerts were held at the local band stand. The concerts drew large crowds and were appreciated. An orchestra composed of members from the band furnished the music for most of the social events held during the year.

- Total number rehearsals by both bands ..... 111
- 9 - Concerts indoors and at band stand
- 1 - Picnic for band members at Champion Beach
- 4 - Engagements
- 1 - Labor Day celebration
- Balance on hand January First ..... \$65.00

ASSOCIATION GLEE CLUB

The Glee Club did not appear in an arranged concert or program but continued their entertainment course arranged through the Redpath Bureau. The first number was given in December and three others will be held during the winter. They are still able to handle this course at a very reasonable price. The season adults tickets are \$1.50 and the student tickets are \$1.00.

Members of the club are always willing to assist any social event where their services are required.

Total attendance of those taking part .....	393	8491
1 - Number on entertainment course .... Attendance .....	275	

Balance on hand (Entertainment Fund) .....	\$ 175.50
Balance on hand (Club concert and programs) .....	83.00

played 11 games at home and 3 away; there were 8 practice games between the two teams and the boys in the Junior league and tournament played 41 games.

BOWLING ALLEYS

MEN

The bowling league was again made up of six teams with three men to a team. Each team completed the schedule of 45 games. The teams were very evenly matched and the standing of teams close at all times. Some of the present members have been on league teams for the past ten years. In all 33 men participated in league games.

WOMEN

The Ice skating Rink was again maintained by the Association. The ladies continue their league and higher scores are made every year. Two nights a week are set aside for their use and games are also rolled during the afternoons. Four teams with three members to a team made up the league and each team completed the schedule of 27 games. During the summer the alleys were under repair and the entire room re-decorated.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23. Gwinn Association (continued)

BASKETBALL

PHYSICAL AND ATHLETIC DEPARTMENT

Including all work conducted in the gymnasium, swimming pool, and all outdoor recreations; such as, baseball, physical training classes at school grounds, ice skating rink, playground and tennis court, football, speedball, and outdoor swimming pool.

Employees of the association again supervised all work for the local high school and furnished some equipment for the Austin school. The physical training classes had part in the Annual May Festival held at the school playground in May.

The senior members of the club used the gym for regular class work and recreational games three evenings per week and the woman's class met weekly.

The association was instrumental in organizing an Inter-County Amateur baseball league of eight teams and the season was very successful.

\*\*\*\*\*

SUMMARY OF ACTIVITIES OF THE PHYSICAL DEPARTMENT

	<u>Periods</u>	<u>Attendance</u>
Girls - High school physical training classes	95	2850
Boys - High School physical training classes	109	2756
High School boys basketball practice	53	724
Women's supervised class work	14	318
Junior boys' recreation periods	17	719
Senior Men - class and recreational work	58	504
Supervised swimming (boys)	29	628
Supervised swimming (girls)	18	192
Total attendance of those taking part .....	393	8691
Use of showers (estimated)		6000

The following basketball games were played during the year:- High School team played 6 games at home and 19 away; Archibald Mine team played 11 games at home and 3 away; there were 8 practice games between the two teams and the boys in the Junior league and tournament played 41 games.

Total number of games away from home .....	22	52.00
Total number of games at home .....	58	36.42
Attendance at all home games .....		5375

The high school team were the Champions of the Upper Peninsula in their class and were the representatives in class "D" from this district at the state tournament held in Detroit.

The Ice skating Rink was again maintained by the Association and it was in good condition for skating 31 days. Estimated attendance ..... 3050

The tennis court was ready for play June 6th, but wet weather during the summer prevented continuous play. The court was in playable condition 36 days during the season. Attendance on court and small playground .. 700

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PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

g. Gwinn Association (continued)

BASEBALL

The baseball team sponsored by the association in the Inter-County Amateur League was very successful and won the Championship and were presented with the Trophy Cup donated by the Merchants of Marquette and Alger Counties at a banquet held in their honor at the Gwinn Hotel.

The members of the team were all local players and were members of the association. The fans enjoyed the sport and were loyal. The season schedule consisted of 14 games. Seven games were played at home and 7 away from home. The association team won 12 games and lost 2.

Attendance at all home games and practice periods .....2450

OUTDOOR SWIMMING POOL

The outdoor Swimming Pool constructed by the Boy Scouts in the East Branch of the Escanaba River and located within the Tourist Park Zone has been taken over by the Park. The caretaker of the Park now acts as life guard. The employees of the club continue to assist in erecting the diving rafts and safety rope for protection of small children at the opening of the season.

BASS LAKE CAMP

The arrangement of supervising the Camp activities through the association and not have a regular paid attendant was again in force this year, also the plan of charging a small rental fee for the use of the cottage was in effect. Both plans are successful and although the total attendance at the camp or lake was not as great as other years; there were more local people using the grounds and equipment; this is especially true of those using the bathing beach.

Number of different families using cottage from 2 days to one week ...	23
Parties using camp overnight .....	5
All day picnics - Church - School and other organizations .....	8
Special evening parties .....	6
Girl Scouts used camp one week ..... Attendance .....	34
Family basket picnics .....	77
Receipts - Boat Hire and Cottage Rental .....	\$ 62.00
Expenditures .....	36.42
Total balance both troops January First 1929 .....	\$18.70
Estimated total attendance .....	2000

The cottage was opened June 1st and closed November 1st. The equipment now consists of 5 boats in good condition - water slide for small children - change houses of men and women, besides the large cottage with equipment and the caretaker's lodge.

Those in charge of the activities of the association appreciate and respect the financial assistance obtained from organizations and corporations and realize without this aid it would be impossible to continue many of the features contained in this report.



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

g. Gwinn Association (continued)

GIRL SCOUT ACTIVITIES

Both troops have again registered with National Headquarters for their eight year. Many members of the organization during this entire time were forced to leave the troop on account of leaving for College. New members have been added to both troops and their interest is on the same plane as the older scouts. Much class work and many things for the good of the entire community was accomplished during the year. Both troops continue to meet weekly in the club under association employees supervision.

SUMMARY OF THE WORK OF BOTH TROOPS

- Meetings - Regular class and Social ..... 92
- Attendance .....1464
- 21 - lunches and suppers were arranged - either after class meetings or after hikes with supper outdoors. This included, marshmellow roasts, watermellon feeds, pastie suppers and lunches after social events.
- 5 - Social evenings were held
- 6 - Hikes for nature study objects were taken
- 1 - Annual merit badge ceremonial with speakers
- 1 - Annual fun and frolic night
- 1 - Entertainment for mothers and Troop #2 as guests
- 1 - Candy Sale
- 1 - Annual camping trip at Bass Lake - one week

The scouts assisted the Local Legion members in selling poppies Memorial day and also with their program. At Christmas time the scouts donated and distributed baskets of food to needy and flowers to the sick. As in the past they donated and dressed 21 dolls for children at Good Will Farm.

The scouts also collected funds during the Red Cross Drive and sang carols Christmas Eve at the Community Celebration.

Funds for the local scout work are raised by the Local Council consisting of five members; this Council also sponsors the scouts annual camping trip to Bass Lake.

Total balance both troops January First 1929 ..... \$18.70  
\*\*\*\*\*

BUILDING MAINTENANCE

This was the first time the association must meet the larger portion of it's running expenses, including the paying of salaries. They were quite successful in this and repairs and construction work were given the necessary attention so that all departments could operate in an efficient manner.

Those in charge of the activities of the association appreciate and respect the financial assistance obtained from organizations and corporations and realize without this aid it would be impossible to continue many of the features contained in this report.  
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PENSION DEPT.  
ANNUAL REPORT

YEAR 1928

- 23. h. Ishpeming Y. M. C. A. (continued)
- h. Ishpeming Y. M. C. A.

FINANCIAL STATEMENT FOR YEAR

The "Y" work has had one of its very best years. Mr. Upshaw is a most efficient Secretary and Mr. F. C. Stanford as President has done very much to bring the "Y" to its present high standing in the Community.

The present officers are:-

Seniors	F. C. Stanford	President
Boys	H. S. Peterson	Vice-President
Women	R. J. Cheneour	Secretary
Girls	Judge Wm. St. John	Treasurer
Total		

The building is one of the busiest places in the City and the rooms are in constant use. A campaign for funds for the year was successfully carried out in the spring.

Later in the year a plan was put into effect to issue bonds to the amount of \$10000.00 to put the work in the best possible shape and arrangements made to provide a sinking fund for their redemption at the rate of \$1000.00 per year for ten years beginning September 1, 1930.

On the following sheets will be found a financial statement for the Fiscal year ending May 1st.

Billiards	40.19	
Athletic Shoes & Goods	129.00	
Spa	98.19	
Baseball	200.00	
Bath and Supplies	292.62	
Socials and Entertainments	92.78	
Note		
Summer Camp	2265.43	
House	100.89	
Miscellaneous	424.94	7358.71
<b>TOTAL RECEIPTS</b>		<b>14156.86</b>

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23. h. Ishoeming Y. M. C. A. (continued)

23. h. Ishoeming Y. M. C. A. (continued)

FINANCIAL STATEMENT FOR YEAR

ENDING APRIL 30, 1928

RECEIPTS

EXPENDITURES

Membership Fees

Seniors	\$ 221.05	\$ 199.23
Boys	215.18	
Women	37.50	360.42
Girls	73.70	888.75
Total	\$ 547.43	1163.67
Miscellaneous Subscriptions	500.00	487.99
Subscriptions	1822.42	110.39
Total local		48 2869.85
Mining Company Contributions		377 3948.00
Total fees and Contributions		7610 6817.85

Stationery and Printing

Dormitory	2831.37	143.64
Gymnasium	934.13	106.61
Lockers	2.00	325.46
Bowling	1.16	303.37
Billiards	40.19	
Athletic Games & Goods	129.00	
Spa	98.19	890.81
Baseball	200.00	386.02
Bath and Supplies	203.63	5.28
Socials and Entertainments	99.78	80.68
Note		17.60
Summer Camp	2263.43	509.28
House	100.89	172.81
Miscellaneous	434.94	10 7338.71

Bath Expense

Laundry		46 14156.56
Socials and Entertainments		171.31
Educational		251.03
Kitchen		8.30
Band		4.80
Summer Camp		2099.08
Organization Membership		10100
Baseball		196.16
Football		44.80

Total all expense incurred.

\$ 17563.42

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

h. Isheeming Y. M. C. A. (continued)

1. Safety Work.

The Central Safety FINANCIAL STATEMENT FOR YEAR inge regularly each month.

The Committee has co ENDING APRIL 30, 1928 wing membership:

<u>EXPENDITURES</u>			
	Mr. G. R. Jackson, Chairman		
	Mr. S. R. Elliott		
Miscellaneous and Advertising	J. H. Hough	\$ 199.23	
Building	Mr. O. D. McClure		
Equipment	Mr. Lucien Eaton	360.42	
Repairs	Mr. C. J. Stakei	888.73	
Fuel	Mr. W. W. Graff	1163.67	
Electricity and Gas	Mr. Wm. R. Meyers	487.99	
Water	Mr. Carl Brewer	110.39	
Supplies	Mr. Wm. Conibear	48.84	
Insurance	Mr. W. H. Boulton, Sec	377.98	
Salaries		7610.63	
Stationery and Printing		90.25	
Telephone		143.64	
Postage		106.61	
Office Supplies		325.46	
Interest		303.37	
			\$ 12217.21
Dormitory Main. and Expense		890.81	
Gymnasium " " "		386.02	
" Equipment		5.28	
Billiards Main. and Expense		80.68	
Bowling " "		17.80	
Athletic Games & Goods		509.28	
Spa		172.81	
Tennis		10.00	
Bath Expense		28.50	
Laundry		461.55	
Socials and Entertainments		171.31	
Educational		251.03	
Kitchen		8.30	
Band		4.80	
Summer Camp		2099.08	
Organization Membership		101.00	
Baseball		196.16	
Football		44.80	
			<u>5348.21</u>
Total all expense incurred.			\$ 17565.42

PENSION DEPT.

ANNUAL REPORT

YEAR 1928.

23.

1. Safety Work. (Continued)

The Central Safety Committee has held its meetings regularly each month.

The Committee has continued with the following membership:

Rank	Name	Total	Total	Rate Per 1000
	Mr. G. R. Jackson, Chairman			
	Mr. S. R. Elliott			
	Mr. J. H. Rough			
	Mr. O. D. McClure	6	0	.084
	Mr. Lucien Eaton	51	2	.206
	Mr. C. J. Stakel	50	2	.225
	Mr. W. W. Graff	33	0	.250
	Mr. Wm. R. Meyers	5	1	.260
	Mr. Carl Brewer	64	2	.280
	Mr. Wm. Conibear	22	0	.282
	Mr. W. H. Moulton, Secretary.			.472

The regular work of the Committee and the Safety Department is covered by Mr. Conibear's report.

On the following pages will be found the tables showing the Accident Frequency rate from 1917 to 1927 and the Accident Frequency and Severity rates for 1927 and for January to November 1928.

Gardner-Mackinaw	16	152202	75	1	.582
------------------	----	--------	----	---	------

Average .587

Boeing	17	293231	172	2	.593
Lake	18	327825	172	3	.607
Princeton	19	243671	140	1	.611
Holmes	20	556198	282	2	.634
Quinn	21	210875	127	2	.661
Francis	22	201949	139	2	.698
Morris-Lloyd	23	729088	506	3	.701
Mass Crusher	24	2717	1	1	.736
Stephenson	25	575260	417	6	.753
Cliffs Shaft	26	900796	722	8	.792
Republic	27	620613	442	3	.828
Barnes Hecker	28	184021	142	52	1.251

6221204 4950 115

PENSION DEPT.

PENSION DEPT.

ANNUAL REPORT

23.

1. Safety Work (Continued)

YEAR 1928.

ACCIDENT FREQUENCY RATE  
FOR AN ELEVEN YEAR PERIOD FROM 1917 TO 1927.

23.

1. Safety Work (Continued)

Rank	Days of Labor	Days Lost	Rate per 1000 Days	Acc.
<b>ACCIDENT FREQUENCY RATE FOR AN ELEVEN YEAR PERIOD FROM 1917 TO 1927.</b>				
Rank	Days of Labor	Non-Fatal	Fatal	Rate per 1000 Days
Miscellaneous	1 71328	6	0	.084
Hill-Trumbull	2 257337	51	2	.206
Elec. Gen. Plants	3 142189	30	2	.225
General Storehouse	4 123307	33	0	.268
Ogden	5 14912	3	1	.268
Wade-Helmer	6 228162	64	2	.289
Angeline	7 76101	29	0	.381
Negaunee	8 885841	361	4	.412
Maas	9 764882	311	5	.413
Salisbury	10 192287	79	2	.421
Spies-Virgil	11 238837	102	3	.440
South Jackson	12 26068	12	0	.460
Austin	13 85451	43	0	.503
Dead River Stg. Dam	14 37223	20	0	.537
Athens	15 486892	277	6	.581
Gardner-Mackinaw	16 132202	76	1	.582
				Average
Hill-Trumbull	1 25325	4	1	.137
Boeing	17 293231	172	2	.593
Lake	18 327835	196	3	.607
Princeton	19 243671	148	1	.611
Holmes	20 558198	352	2	.634
Gwinn	21 210375	137	2	.661
Francis	22 201849	139	2	.698
Morris-Lloyd	23 729058	508	3	.701
Maas Crusher	24 2717	1	1	.736
Stephenson	25 575260	427	6	.753
Cliffs Shaft	26 900776	705	8	.792
Republic	27 630613	526	3	.839
Barnes Hecker	28 184681	142	52	1.051
				Average
Boeing	14 8621285	4950	113	.776
Austin	15 11547	8	1	.302
Maas Crusher	16 2717	2	1	.000
Gardner-Mackinaw	17 1477	2	1	.000
TOTAL ALL PROPERTIES	890753	809	113	1.111

Attention is called to those mines and operations marked "A" which for the period shown have made a better record than the average of all properties.

Those marked "B" show a better record for 1928 than for the same period in 1926.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928.

23.

1. Safety Work (Continued)

ACCIDENT SEVERITY.

RANK AND RATE FROM JANUARY TO DECEMBER 1927

	Rank	Days of Labor	Days Lost	Rate per 1000 days	Dec. 1926
A-B Republic	1	34370	93	2.706	14.348
A Hill-Trumbull	2	29325	89	3.035	2.290
A-B General Storehouse	3	9294	47	5.057	7.806
A Gardner-Mackinaw	4	1477	7½	5.079	.000
A-B Spies-Virgil	5	34219	195½	5.713	19.418
A-B Maas	6	57434	353	6.146	20.693
A-B Athens	7	45150	309	6.844	18.750
A-B Holmes	8	42448	330	7.774	13.456
A-B Negaunee	9	78401	642	8.189	13.094
A-B Cliffs Shaft	10	87891	780½	8.880	16.888
A-B AVERAGE	11	696		9.566	14.321
Miscellaneous	11	9250	115½	12.487	.000
B Boeing	12	33221	429½	12.928	18.238
Morris Lloyd	13	68323	949	13.890	8.817
Stephenson	14	33626	631	18.765	15.901
Ogden	15	4871	159	32.640	2.246
Austin	16	11547	403½	34.945	2.922
Maas Crusher	17	2717	117	43.062	.000
TOTAL ALL PROPERTIES		590753	5651		
TOTAL ALL PROPERTIES				*****	

ACCIDENT FREQUENCY

RANK AND RATE FROM JANUARY TO DECEMBER 1927.

	Rank	Days of Labor	Number of Accidents	Rate per 1000 days	Dec. 1926
A Hill-Trumbull	1	29325	4	.137	.125
A Ogden	2	4781	1	.205	.187
A-B Maas	3	57434	12	.209	.429
A-B Negaunee	4	78401	23	.293	.428
A General Storehouse	5	9294	3	.323	.304
A-B Athens	6	45150	15	.332	.695
A-B Republic	7	34370	12	.340	.693
A-B Spies Virgil	8	34219	12	.351	.457
A-B Cliffs Shaft	9	87891	31	.353	.784
A-B AVERAGE	9	4781	1	.354	.584
B Morris-lloyd	10	68323	25	.366	.666
B Holmes	11	42448	17	.400	.654
B Stephenson	12	33626	18	.535	.616
Miscellaneous	13	9250	5	.541	.000
B Boeing	14	33221	19	.572	.776
B Austin	15	11547	8	.693	.202
B Maas Crusher	16	2717	2	.736	.000
Gardner-Mackinaw	17	1477	2	1.355	.000
TOTAL ALL PROPERTIES		590753	209	1.116	

Attention is called to those mines and operations marked "A" which for the period shown have made a better record than the average of all properties.

Those marked "B" show a better record for 1927 than for the same period in 1926.

These marked "B" show a better record for 1928 than for the same period in 1927.

PENSION DEPT.ANNUAL REPORTYEAR 1928.

23.

1. Safety Work (Continued)ACCIDENT SEVERITYRANK AND RATE FROM JANUARY TO NOVEMBER 1928

	Rank	Days of Labor	Days Lost	Rate per 1000 days
A-B General Storehouse	1	12646	0	.000
A-B Ogden	2	2587	0	.000
A-B Maas Crusher	3	2113	0	.000
A-B Spies-Virgil	4	25942	25 $\frac{1}{2}$	.983
A-B Moving Maas Houses	5	4781	5	1.046
A-B Gardner-Mackinaw	6	21233	50 $\frac{1}{2}$	2.378
A-B Holmes	7	41566	124 $\frac{1}{2}$	2.995
A Tilden	8	7277	22	3.023
A-B Morris-Lloyd	9	59038	337 $\frac{1}{2}$	5.717
A Hill-Trumbull	10	32768	192	5.859
A-B Stephenson	11	896	5 $\frac{1}{2}$	6.136
AVERAGE				
Republic	12	16120	114 $\frac{1}{2}$	7.103
Negaunee	13	67166	508	7.563
C.P.& L. Co.,	14	18832	153	8.124
Cliffs Shaft	15	81296	749	9.213
Athens	16	41899	397	9.475
Maas	17	50006	816	16.318
Various Properties		8639	0	
TOTAL ALL PROPERTIES		494807	3500	

\* \* \* \* \*

ACCIDENT FREQUENCYRANK AND RATE FROM JANUARY TO NOVEMBER 1928

			Number of Accidents	
A-B General Storehouse	1	12646	0	.000
A-B Ogden	2	2587	0	.000
A-B Maas Crusher	3	2113	0	.000
A Tilden	4	7277	1	.137
A-B Gardner-Mackinaw	5	21233	3	.141
A-B Morris-Lloyd	6	59038	9	.152
A-B Spies-Virgil	7	25942	4	.154
A-B Holmes	8	41566	7	.168
A-B Moving Maas Houses	9	4781	1	.209
A-B C.P.& L. Co	10	18832	4	.212
AVERAGE				
B Negaunee	11	67166	16	.238
Hill*Trumbull	12	32768	9	.275
B Athens	13	41899	12	.286
B Republic	14	16120	5	.310
B Cliffs Shaft	15	81298	27	.332
Maas	16	50006	18	.360
Stephenson	17	896	1	1.116
Various Properties		8639	0	
TOTAL ALL PROPERTIES		494807	117	

Attention is called to those mines and operations marked "A" which for the period shown have made a better record than the average of all properties.

Those marked "B" show a better record for 1928 than for the same period in 1927.



PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23.

Hospitals (continued)

j. Hospitals & Medical Service

Throughout the year this Department has kept in close touch with the Hospitals at Ishpeming, Republic, and Iron River and the Dispensary at Negaunee.

ISHPEMING HOSPITAL

The hospital has maintained its standard of fine service and is one of few to be placed on the accredited list of The American College of Physicians and Surgeons.

This has been due to the most excellent work of Miss Victoria White as Superintendent.

The staff is as follows:

Number of deaths		39
Number discharged	Dr. V. H. Vandeventer, Chief	877
	Dr. J. D. Crane	
Total number	Dr. P. P. Hartt	916
	Dr. A. W. Erickson	
Number of patients	Dr. W. A. Corcoran	
	Dr. D. R. MacIntyre	
	Dr. Charles L. Hirwas	
	Dr. W. A. Mudge	513
	Miss Victoria White, Supt.	157

During the year regular monthly meetings of the Staff have been held with Miss Marie S. Brown as Secretary. The Bacteriologist, Dietitian and those nurses who can be spared from their work attend these meetings and they are productive of much good in keeping the work to its high standard.

On the following page will be found a summary of the report of the Superintendent for the year.

Number of meals for patients	27921
Number of meals for nurses, superintendent and dietitian	14425
Number of meals for physicians and guests	311
Number of meals for help	4777
	47435

Average Number of Patients Per Day:

1919	12.2
1920	17.6
1921	15.2
1922	16.6
1923	20.1
1924	20.5
1925	19.9
1926	21.8
1927	21.8
1928	25.4

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

j. Hospitals (continued)

Following will be found a statement showing the number of consultations taken care of at the hospital, and the number of hospitalizations according to the employers of the men and their families. This includes the cases of the Cleveland Jones-Laughlin Ore Co. and private cases.

ISHPEMING HOSPITAL

STATISTICAL REPORT FOR THE YEAR 1928

Number of Patients remaining in Hospital at beginning of year		20
Number of adult patients admitted	685	
Number of child patients admitted	113	
Number of births	<u>120</u>	
Total new patients for the year		<u>918</u>

Total of all patients during the year 938

Office Calls C. I. Co. O. I. M. Co. Expl. Co. Laughlin Co. Private Total Percent

Number of deaths		38	
Number discharged during year		<u>877</u>	
Total number leaving Hospital			<u>915</u>
Number of patients remaining at end of year, Dec. 31, 1928			23.7
<u>CLASSIFICATION OF NEW CASES:</u>			
Surgical		513	
Medical		157	
Obstetrical	216	65	483 60.8
Total			313 3895 918.0
Number of operations	<u>1295</u>	<u>193</u>	<u>4</u> 489 3065 372.4
Number of emergency room operations			32 2234 16829 50.0
Number of patient days			9307

Number of meals for patients		27921	
Number of meals for nurses, superintendent and dietitian	936	14426	60.8
Number of meals for physicians and guests	22	311	66.8
Number of meals for help	738	195	3 481 4777 66.1
Total			7 870 8256 47435.2
Average Number of Patients Per Day:			
TOTAL	20919	7379	838 40 3944 33120 63.2

1919	12.2
1920	17.6
1921	15.9
1922	16.5
1923	20.1
1924	20.5
1925	19.9
1926	21.3
1927	21.8
1928	25.4

PENSION DEPT.  
ANNUAL REPORT

YEAR 1928

23.

j. Hospitals (continued)

Following will be found a statement showing the number of consultations taken care of by each of the Physicians at the hospital, and the number of house calls, these being classified according to the employers of the men and their families. This includes the cases of the Cleveland-Cliffs Iron Co., the Oliver Iron Mining Co., the Hercules Powder Co., Jones-Laughlin Ore Co. and private cases.

These sheets show the percentage of work done for the people belonging to our own Company.

OFFICE AND HOUSE CALLS OF THE DIFFERENT PHYSICIANS

	C.C.I.Co.	O.I.M.Co.	Hercules Expl.Co.	Jones & Laughlin Co.	Private	Total	C.C.I.Co. Percent	
<u>Office Calls</u>								
Hirvas	4124	45	2	32	418	4628	89.1	
Vandeventer	1050	172	30	2	473	1727	60.8	
Crane	2852	1051	35	4	142	4084	69.8	
Hartt	2646	916	69		138	3769	70.2	
Erickson	2708	743	77		411	3939	68.7	
Corcoran	1418	951	155	2	546	3072	46.2	
Total	110674	3833	366	8	1710	16591	64.3	
<u>House Calls</u>								
Hirvas	2250	28	58	15	287	2770	81.6	
Vandeventer	1155	216	65		463	1899	60.8	
Crane	2100	716	9	18	510	3353	62.6	
Hartt	2569	882	126	3	313	3893	66.0	
Erickson	3337	437	79	7	459	4319	77.3	
Corcoran	1084	1295	193	4	489	3065	35.4	
Total	10245	3546	472	32	2234	16529	62.0	
<u>TOTAL CALLS</u>								
Hirvas	250	500	17	539	46	3803	32154	84.7
Vandeventer	2205	388	95	2	936	3626	60.8	
Crane	4952	1767	44	22	652	7437	66.6	
Hartt	5215	1798	195	3	451	7662	68.1	
Erickson	6045	1180	156	7	870	8258	73.2	
Corcoran	2502	2246	348	6	1035	6137	40.8	
TOTAL	20919	7379	838	40	3944	33120	63.2	

PENSION DEPT.  
PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23.

23. J. Hospitals (continued)

j. Hospitals (continued)

The plan of using the Resources Hospital building for a Dispensary and Doctors Offices, taking NEGAUNEE DISPENSARY to the Ishpeming Hospital, has worked out very well.

OFFICE AND HOUSE CALLS OF THE DIFFERENT PHYSICIANS, they being part of the Ishpeming Hospital staff:

<u>Office Calls</u>	<u>C.C.I.Co.</u>	<u>Rep. Iron &amp; Steel</u>	<u>Jones &amp; Laughlin Ore Co.</u>	<u>MacIntyre Hirwas O.I.M.Co.</u>	<u>InterState Iron Co.</u>	<u>Private</u>	<u>Total</u>	<u>C.C.I.Co Percent</u>
MacIntyre	6292	80		296	20	1392	8080	77.9
Mudge	6940	81	15	58	10	645	7749	89.5
Hirwas	4124	46	2	38		418	4628	89.1
<b>Total</b>	<b>17356</b>	<b>207</b>	<b>17</b>	<b>392</b>	<b>30</b>	<b>2455</b>	<b>20457</b>	<b>84.6</b>

House Calls Plans have been made to give the Hospital Building to the Republic Improvement Association who are endeavoring to find a physician to locate there.

<u>House Calls</u>	<u>C.C.I.Co.</u>	<u>Rep. Iron &amp; Steel</u>	<u>Jones &amp; Laughlin Ore Co.</u>	<u>MacIntyre Hirwas O.I.M.Co.</u>	<u>InterState Iron Co.</u>	<u>Private</u>	<u>Total</u>	<u>C.C.I.Co Percent</u>
MacIntyre	3186	106		62		116	3470	91.8
Mudge	4348	102		47	15	945	5457	79.7
Hirwas	2360	85		38		287	2770	85.2
<b>Total</b>	<b>9894</b>	<b>293</b>	<b>17</b>	<b>147</b>	<b>15</b>	<b>1348</b>	<b>11697</b>	<b>84.6</b>

TOTAL CALLS

MacIntyre	9479	186		358	20	1508	11550	82.1
Mudge	11288	183	15	105	25	1590	13206	85.5
Hirwas	6484	131	2	76		705	7398	87.6
<b>TOTAL</b>	<b>27250</b>	<b>500</b>	<b>17</b>	<b>539</b>	<b>45</b>	<b>3803</b>	<b>32154</b>	<b>84.7</b>

Payments to Physicians

On August 1, 1927, a new rate of payment by our Company went into effect, all of the other companies adopting the same schedule.

The men pay \$1.25 per month.

The Companies pay \$.50 a man per month.

This is to cover the provisions of the Compensation Law.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

j. Hospitals (continued)

NEGAUNEE DISPENSARY

The plan of using the Negaunee Hospital building for a Dispensary and Doctors Offices, taking all Hospital cases to the Ishpeming Hospital, has worked out very well.

The following Physicians take care of the work, they being part of the Ishpeming Hospital staff:

Dr. D. R. MacIntyre

Dr. C. L. Hirwas

Dr. W. A. Mudge

REPUBLIC HOSPITAL

Dr. Loveland left Republic, May 15, 1928, to take a practice at Tecumseh, Michigan and Dr. Paul VanRiper of Champion has been to Republic for an office hour each day since that time.

Plans have been made to give the Hospital Building to the Republic Improvement Association who are endeavoring to find a physician to locate there.

1. Red Cross

GWINN

Dr. R. A. Burke of Negaunee and Palmer is in charge of the medical service at Gwinn for the Archibald Mine and what men we have there are taken care of Dr. Burkes assistant who is located at Gwinn and has his offices in the Quayle store building.

IRON RIVER

Consideration has been given to the erection of a new hospital for that district and a number of meetings have been held, part of which the Secretary has attended with Mr. Meyers. At the end of the year no progress had been reported.

Payments to Physicians

On August 1, 1927, a new rate of payment by our Company went into effect, all of the other companies adopting the same schedule:

The men pay \$1.25 per month.

The Companies pay \$.50 a man per month.

This is to cover the provisions of the Compensation Law.

Her report for the fiscal year ending September 30th will be found on the following pages.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

k. Health

In the last few months of 1928 the Flu became epidemic in the Upper Peninsula and a large number of cases have developed, but not of so serious a character as in 1918 and 1919.

The following are the Health Officers for the district:

Examination in Rural Schools	Dr. G. G. Barnett	- Ishpeming	37
Number of school children examined	Dr. W. A. Mudge	- Negaunee	27
Number of children examined	Dr. L. L. Youngquist	- Marquette	1248

Tuberculosis Clinics have been held in the different cities and townships and a follow-up worker was employed by the Red Cross during the Summer and Fall.

Dr. Lojacono of the Morgan Heights Sanitarium has visited the different sections of the County, assisting the Local Physicians, which has been of very great value.

An addition has been built to the Morgan Heights Sanitarium so that they now can care for fifty patients. The Sanitarium is doing a first class work.

l. Red Cross

The Annual Meeting was held in Marquette on October 8th and the following officers were elected:

President	- Thomas Redmond, Marquette	1129
Vice-President	- Philip Levine, Negaunee	1
Secretary	- R. J. Chenneour, Ishpeming	30
Treasurer	- E. S. Bice, Marquette	7

Of the Ishpeming Branch, Thomas Clancey has continued as Chairman.

The Annual Red Cross canvas for members was held in November with very satisfactory results.

Mrs. A. L. Johnson has continued as County Nurse under the direction of the Nursing-activities Committee of the Red Cross of which Walter Gries, County School Commissioner, is chairman.

Her salary and expenses are paid by the County, the committee directing her work at the request of the County Board of Supervisors.

Her report for the fiscal year ending September 30th will be found on the following pages.

Other meetings	24
Attend Crippled Childrens Clinic at Ann Arbor	2 days
Attended State Nurses Convention at Lansing	3 days
Attended Crippled Childrens' Clinic at Marquette	2 days
at which there were 75 children from Marquette and 7 from Alger County examined.	
Attended County round-up meeting for Rural Schools at Marq.	1 day
Attended and assisted Tonell Clinics	7 days
Attended and assisted Dental Clinics	11 days
Attended and assisted Mental Clinics	1 day
Had First Aid station at County Fair	5 days
at which there were 15 people-treated.	

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

1. Red Cross (continued)

Talks at Regence	<u>REPORT OF MARQUETTE COUNTY NURSE</u>	1
Number of Little Women	Fiscal year ending September 30, 1928	6
Tonsil and Adenoid Clinics for Indigent Children, Paid for by the		
Examination in Rural Schools.	Red Cross	
Number of schools in County	.....	57
Number of schools examined	.....	57
Dents	Number of children examined	2565
Number of defects found from September 1, 1927 to September 1, 1928.		11
Eyes	.....	53
Teeth	.....	1119
Pediculosis	.....	45
Number	Tonsils	405
Goiter	.....	579
Malnutrition	.....	931
The	Ears	11
and	Orthopedic	24
	<b>Total</b>	<b>3167</b>
Number of defects corrected by parents from September 1, 1927 to	September 1, 1928	31
Total number of corrections made from Sept. 1, 1927 to	September 1, 1928	717
Eyes	.....	32
Teeth	.....	97
Tonsils	.....	44
each school.	<b>Total</b>	<b>173</b>
Home visits and investigations	.....	1189
Number of patients taken to Morgan Heights	.....	1
Number of patients taken to Ann Arbor	.....	30
Number of children taken to Soldiers Billett at Otter Lake Michigan	.....	3
Number of children taken to Deaf and Dumb School at Flint	.....	2
Number of patients sent to House of Good Shepherd at Green Bay	.....	2
Number of investigations made and reported for Ann Arbor Hospital	.....	5
Number of investigations made and reported for Veterans Bureau	.....	39
Number of investigations made for Grand Rapids Welfare Association	.....	7
Number of investigations made for Michigan Childrens Aid	.....	15
Number of Class talks	.....	87
Other visits to schools	.....	25
Consultations at schools	.....	25
County Poor investigations	.....	15
Nursing care to patients	.....	12
Number of letters written	.....	1055
Office interviews	.....	96
Other meetings	.....	24
Attend Crippled Childrens Clinic at Ann Arbor	.....2 days	
Attended State Nurses Convention at Lansing	.....3 days	
Attended Crippled Childrens' Clinic at Marquette	.....2 days	
at which there were 75 children from Marquette and		
7 from Alger County examined.		
Attended County round-up meeting for Rural Schools at Marq.	1 day	
Attended and assisted Tonsil Clinics	.....7 days	
Attended and assisted Dental Clinics	.....11 days	
Attended and assisted Mental Clinics	.....1 day	
Had First Aid station at County Fair	.....5 days	
at which there were 15 people treated.		

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

1. Red Cross (continued)

B. Relief Work

Talks at Negaunee High School on Nursing .....	1
Number of Little Mother's League classes taught .....	6
Tonsil and Adenoid Clinics for Indigent Children, Paid for by the	

Following is a list of the assistance rendered:	<u>Red Cross</u>
Number of clinics .....	8
Number of children having tonsils and adenoids removed .....	78
Dental Clinics Paid for by the Red Cross	
Number of clinics .....	11
Number of children treated .....	183
Number of teeth filled .....	208
Number of teeth extracted .....	218
Number of Prophylactic treatments .....	9
June Total	435

The children attending the above Clinics were from Negaunee, Richmond and Ishpeming Townships.

Number of Indigent children receiving glasses paid for by the Red Cross	31
Total number of corrections made from Sept. 1, 1927 to Sept. 1, 1928	717

A Card Index has been made covering each child examined, showing defects found, corrections made etc., and a copy of same left in each school.

of families assisted 10  
 Martha G. Johnson, R. N.  
 Marquette County Red Cross Nurse .



PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928  
YEAR 1928

23. n. Employment

23. m. Relief Work, and we have made careful investigation throughout the year of all Help has been extended to certain families who have been in with the special need, through sickness or death, or special disability.

We have investigated all applications of young men giving their ages 18 or Following is a list of the assistance rendered: are employed under age of 18.

We are now requiring a Ishpeming Negaunee or North Lake Total if this is not obtainable their baptismal certificates must be produced.

	<u>Ishpeming</u>	<u>Negaunee</u>	<u>North Lake</u>	<u>Total</u>
January	\$ 167.68	184.67	6.00	358.35
February	49.06	49.33		98.39
March	198.18	75.83	26.00	300.01
April	56.89	64.06		120.95
May	53.01	12.60		65.61
June	22.00			22.00
July	71.58	36.58		108.16
August	120.87	39.00		159.87
September	99.10	27.60		126.70
October	65.55	31.20		96.75
November	70.53	113.97		184.50
December	124.27	126.59		250.86

DONATIONS TO INCAPACITATED EMPLOYEES

	1098.94	761.43	32.00	1892.37
Number of families assisted				
Bennett Andrews		\$ 240.00		
John Beale		30.00		
Fred Fredst	25	300.00	2	37
Thomas Hollow		240.00		
Average amount of Relief per family				\$ 51.15
Sam. Metherell		216.00		
August Samuelson		300.00		
Thomas Davey		220.00		
Andrew Niemi		249.00		
John Hulkoff		150.00		
Ludvig Solmsider		75.00		
Oscar Antilla		28.00		\$ 2224.00

DONATIONS TO WIDOWS

Mrs. Rose Karttunen	180.00	
Mrs. Matilda Carlson	180.00	
Mrs. Henry Hill	180.00	
Mrs. Henry Karkkainen	180.00	
Mrs. John Eskola	300.00	
Mrs. Wilhelmina Marjama	180.00	
Gust Kyllimaki, children	180.00	
Mrs. John Rantala	180.00	
Mrs. Kate Tuomela	240.00	
* Mrs. John Frederickson	22.00	\$ 1802.00

\* Husband in Newberry Asylum.

PENSION DEPT.  
ANNUAL REPORT

YEAR 1928

23.

n. Employment

All applications and records of employment are handled through this Department, and we have made careful investigation throughout the year of all new employes through correspondence or personal interview with the previous employers.

We have investigated all applications of young men giving their ages 18 or 19 to verify date of birth to make sure none were employed under age of 18.

We are now requiring a certified copy of their birth certificate or if this is not obtainable their baptismal certificate must be produced.

O. Incapacitated Employes

During the year payments have continued to certain men whose years of service do not bring them within the provisions of the Pension System. These men are those who have become incapacitated after a considerable period of service and some with very large families and who have been injured in our employment.

Some widows of men who lost their lives in previous years are included in this list.

The following is a statement of the families to whom these donations have been made:

DONATIONS TO INCAPACITATED EMPLOYES

Bennett Andrews	\$ 240.00	
John Beale	30.00	
Fred Fredette	300.00	
Thomas Hollow	240.00	
William Holman	180.00	
Sam. Metherell	216.00	
August Samuelson	300.00	
Thomas Davey	220.00	
Andrew Niemi	249.00	
John Hulkoff	150.00	
Ludvig Schneider	75.00	
Oscar Antilla	25.00	
		\$ 2225.00

DONATIONS TO WIDOWS

Mrs. Rose Bertucci	180.00	
Mrs. Matilda Carlson	180.00	
Mrs. Henry Hill	180.00	
Mrs. Henry Karkkainen	180.00	
Mrs. John Mackela	300.00	
Mrs. Wilhelmina Marjama	180.00	
Gust Myllimaki, children	180.00	
Mrs. John Rantala	150.00	
Mrs. Kate Tuomela	240.00	
* Mrs. John Frederickson	32.07	
		\$ 1802.07

\$ 4027.07

\* Husband in Newberry Asylum.

PENSION DEPT.  
PENSION DEPT.

YEAR 1928  
ANNUAL REPORT

23.

q. Improvement Work (continued)

YEAR 1928

The statement following is for the year at the different locations.

23.

p. Cost of Living

We have continued to send our report blanks on the 15th of each month to various retail dealers in our different communities upon which are reported the prices of the different commodities considered by the United States Government in computing the Cost of Living.

We still do this to let the storekeepers know that we are keeping track of prices which serves to keep the retail prices to some extent at a reasonable figure.

Total Charges

Location	1927	1928	1929	1930	Total
Athens Mine	22.96	20.96	25.50		69.42
Barnum Location			3.00		3.00
Barn Grounds	53.20	29.58	20.00	9.42	112.20
Central Office					361.43
R. J. Chas.					11.39
Cleveland					18.58
Cliffs C		16.13			218.43
Cliffs C			335.06		2276.74
Cliffs S					1070.47
E.L. Derby					8.32
Division					8.28
M.M. Dundas Grounds	64.45	133.88	56.00	23.06	907.39
Eaton's Alley	36.10	19.58			55.68
L. Eaton, Grounds	8.50	18.26	10.00	2.45	39.31
S. R. Elliott			20.00	4.36	24.36
Holmes Mine	506.40	17.53	46.00	13.53	583.56
Ishpeming Hospital	1095.70	161.61	110.00	34.64	1402.16
G. R. Jackson				11.77	11.77
Jasper Street	22.80	23.81			52.61
Lake Shaft Loc.				3.00	3.00
Maas Mine	562.36	49.16	50.00	18.51	680.03
Machine Shop Bldg.	93.10	25.78	10.00	10.14	139.02
O.D. McClure Grounds	186.20	16.40		15.92	218.52
Mechanical Office	67.45	23.78	20.00	13.99	125.22
Mine Pits	6.65	6.08		3.36	16.11
Morris-Lloyd Mine	186.82	2.50	20.00	9.68	219.00
Nebraska Location	16.20	4.56			20.76
Negaunee Dispensary	122.55	40.13		10.98	173.66
Negaunee Mine	341.09	37.24	40.00	13.64	431.97
North Lake Club				2.96	2.96
North Lake Loc.	121.16	3.63	40.00	1.90	166.69
North Lake Supt. Grds.		13.17	20.00	3.85	37.02
Salisbury Location				6.38	6.38
Seventh Street	16.13	20.22	2.00	1.15	39.50
C. J. Sheddick	43.70		8.00	3.24	54.94
Storehouse & Bldg.	63.35	47.06	10.00	5.27	125.68
A. J. Yungbluth	19.45		8.00	.32	27.77
Rest Cottage				2.32	2.32
J. H. Rough, Grounds				.93	.93
Hoist Dam			100.00		100.00
TOTALS	7969.43	1322.04	237.45	855.00	10383.92

(1) - "City of Ishpeming" invoice for road near Cliffs Shaft Laboratory.

PENSION DEPT.  
ANNUAL REPORT

YEAR 1928

23.

q. Improvement Work (continued)

23. The statement following shows cost for the year at the different locations:

	#1 Regular Labor	#2 Regular Materials	#3 New Con- struction Labor	#4 New con- struction materials	#5 W. H. Manning services	#6 J. Payen Services & Exp.	Total Charges
Athens Mine	\$560.57	22.96			50.00	12.55	646.08
Barnum Location						3.00	3.00
Barn Grounds	53.20	29.58			20.00	9.42	112.20
Central Office	312.15				35.00	18.28	365.43
R. J. Chenneour, House		7.59			2.00	2.00	11.59
Cleveland Hill							
Side Field	12.35	5.98					18.33
Cliffs Cottage Grove	203.30	15.13					218.43
Cliffs Cottage	1844.61	152.43			135.00	144.70	2276.74
Cliffs Shaft Mine	643.15	128.03	237.45 (1)		35.00	26.84	1070.47
E. L. Derby Grounds					8.00	.32	8.32
Division Street	3.80	4.45					8.25
M. M. Duncan, Grounds	694.45	133.88			56.00	23.06	907.39
Eaton's Alley	36.10	19.58					55.68
L. Eaton, Grounds	8.60	18.26			10.00	2.45	39.31
S. R. Elliott					20.00	4.36	24.36
Holmes Mine	506.40	17.63			46.00	13.53	583.56
Ishpeming Hospital	1095.70	161.81			110.00	34.64	1402.15
G. R. Jackson						11.77	11.77
Jasper Street	22.80	29.81					52.61
Lake Shaft Loc.						3.00	3.00
Maas Mine	682.38	49.18			50.00	18.51	800.07
Machine Shop Grds.	93.10	25.78			10.00	10.14	139.02
O. D. McClure, Grounds	186.20	16.40				15.92	218.52
Mechanical Office	67.45	25.78			20.00	13.99	127.222
Mine Pits	6.65	6.08				3.38	16.11
Morris-Lloyd Mine	186.82	2.50			20.00	9.68	219.00
Nebraska Location	16.20	4.55					20.75
Negaunee Dispensary	122.55	40.13				10.95	173.63
Negaunee Mine	341.09	37.24			40.00	13.64	431.97
North Lake Club						2.96	2.96
North Lake Loc.	121.16	3.63			40.00	1.90	166.69
North Lake Supt. Grds.		13.17			20.00	3.86	37.03
Salisbury Location						6.39	6.38
Seventh Street	16.15	20.22			2.00	1.25	39.62
C. J. Shaddick	43.70				8.00	3.24	54.94
Storehouse & Blk. Sh.	69.35	47.06			10.00	5.27	131.68
A. J. Yungbluth	19.45				8.00	.32	27.77
Rest Cottage						2.32	2.32
J. H. Rough, Grounds						.93	.93
Hoist Dam					100.00		100.00
<b>TOTALS</b>	<b>7969.43</b>	<b>1038.84</b>	<b>237.45</b>		<b>855.00</b>	<b>434.56</b>	<b>10535.28</b>

(1) - "City of Ishpeming" invoice for road near Cliffs Shaft Laboratory.

PENSION DEPT.

PENSION DEPT.

PENSION DEPT.ANNUAL REPORTYEAR 1928

23.

23. r. Various Departmentsr. Prize Premises

The plan introduced by Mr. Mather in 1894, of offering prizes for Best Kept Premises and Vegetable Gardens, was continued for 1928 with fully as much interest resulting as in any previous years. This plan has served to make the home grounds throughout our cities the most generally attractive of any similar community of which we are acquainted. The following is a list showing the distribution of the prizes which was made just previous to Christmas.

	Best Kept Premises	Vegetable Gardens	School Gardens	Total Prizes
Ishpeming	\$ 100.00	\$ 100.00	\$ 72.50	\$ 272.50
North Lake	50.00	50.00		100.00
Negaunee	50.00	50.00		100.00
Republic	50.00	50.00		100.00
Gwinn	50.00	50.00		100.00
Iron River	12.50	12.50		25.00
	<u>\$ 312.50</u>	<u>\$ 312.50</u>	<u>\$ 72.50</u>	<u>\$ 697.50</u>

s. Community Service Work

The Legion Building and the Y. M. C. A. at Ishpeming are serving the city as meeting places for all groups of people and are meeting the need in the most satisfactory manner.

The Legion Building at Negaunee equipped and opened in 1927, has worked out admirably and is well serving the needs of Negaunee.

The Legion has taken in other men as associate members for a very reasonable fee which thus serves to make it sueful for a considerable portion of the citizens.

t. Clubs

The Mining Club continued its meeting through the Fall, Winter and Spring with Capt. Rough as President.

The Annual Picnic was held in August at Ross Lake, twelve miles south of Ishpeming, making use of the "Y" camp which is located there.

The meetings of the Club have been of very much help in maintaining a feeling of understanding and good will.

u. Outdoor Sports

This Department assisted in the annual Ski Tournament and sports on February 22nd, and have assisted in the project of putting the new hill in the best possible shape reasonably.

The trounament of 1929 should be one of the best held for many years.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

w. Various Departments

Throughout the year this Department has cooperated with the other Departments and frequent visits have been made, especially concerning matters of workmen's compensation, medical service and safety.

We have looked after the case of Martin White, one of the old employes of the Railroad Department.

With Mr. Manning and Mr. Payen we visited the Furnace and Railroad properties on Mr. Manning's visit here, and Mr. Payen has been of assistance in their work during the season.

Owing to press of work at this season of the year not all of the report is being written, but will be included if received in time.

Salary and expenses					
Salary and expenses					
Rest Camp -					
Our proportion of					
E	Apparatus, Express and Freight				
Photographs					
F	Miscellaneous Expenses				
Rocks, cuts,					
Incidental Expenses					
Incidental Expenses					
Donations to					
Membership in					
Other Donations					
Food Preparation					
Relief received					
Installing					
Land Improvement					
G	Employee Clubs				
Beeding Alley					
Superintendent					
Senior Club					
Innocent					
North Side					
Electric Power					
H	Office Expense				
Stationery, Office Supplies					
Stationery, Office Supplies					
Office Furniture and Equipment					
Postage					
Mining Department					
Lead Department					
Furnace Department					
Lumbering Department					
Coke District					

PENSION DEPARTMENT

PENSION DEPT.  
ANNUAL REPORT  
YEAR 1928

23.

u. Various Departments

STATEMENT OF EXPENSES OF PENSION DEPARTMENT  
FOR FIVE YEAR PERIOD FROM JANUARY 1ST, 1924 TO DECEMBER 31ST, 1928.

ACCT. NO.		1924	1925	1926	1927	1928
A-1	Salaries of Superintendent of Pension Department and assistants	9240 40	9348 00	9689 55	9578 00	9855 18
B	Prizes to tenants and employees for Best Kept Premises, Gardens, Etc.	970 00	781 43	743 35	697 50	600 00
C	All expenses of Supt. of Pension Dept. including travelling expenses & livery	355 00	444 26	372 34	508 38	582 96
D	Salary and expenses of Visiting Nurse - Ishpeming	2301 50	2400 94	2174 45	2226 41	2081 98
	Rest Cottage - Deer Lake	744 51	653 10	744 98	833 73	1019 70
	Salary and expenses of Visiting Nurse - Negaunee	2650 04	2663 97	2350 47	2331 83	2353 03
	Salary and expenses of Visiting Nurse - Gwinn	1966 71	1952 21	1866 83	406 98	
	Rest Camp - Bass Lake	401 80	361 60	386 60		
	Our proportion of Visiting Nurse Expense - Iron River	159 00	190 95	291 91	221 57	291 05
E	Apparatus, Express and Freight	65 73	20 42	8 26	13 27	10 61
	Photographs					79 98
F	Miscellaneous Expense					
	Books, cuts, magazines, papers, etc.	250 46	272 61	280 93	268 03	329 67
	Incidental Expenses - Mining Department	21 58	64 77	7 20	287 70	467 94
	Incidental Expenses - To Treasurer	57 50			4 25	
	Donations to Incapacitated Employees	1855 00	20 52 00	2338 00	2370 00	2225 00
	Membership in Associations	125 00	115 00	100 00	15 00	20 00
	Other Donations	1615 80	1663 64	1873 65	1778 73	1802 07
	Food Preparedness - Parcels of land used by Employees for Gardens	20 00				
	Relief rendered during curtailment of forces at the Mines	1957 73	3503 85	3987 88	5865 97	1892 37
	Installing New Bowling Alleys and Purchase of Pin Spotters	2939 87				
	Land Improvement Work - Depreciation on Ford Truck			174 71	174 71	65 91
G	Employees Clubs					
	Bowling Alley and Club Work	277 68	498 60	46 26	57 48	138 88
	Superintendents Lunches and Incidentals	79 05	183 64	79 00	70 12	132 00
	Gwinn Club House	6092 77	5761 09	5425 99	4371 91	1194 79
	Ishpeming Y M C A	2412 00	2412 00	2412 00	5100 00	2760 00
	North Lake Club House	3488 97	3180 35	3596 66	2637 05	4129 46
	Electric Power Club	52 63	52 40			
H	Office Expense					
	Stationery, Office Supplies and Expenses - To Treasurer	376 60	501 13	612 96	617 29	423 86
	Stationery, Office Supplies and Expenses - Mining Department	42 29	25 74	94 38	43 22	43 60
	Office Furniture and Equipment	170 22	44 60	23 37	39 00	31 20
	Postage	193 80	179 80	189 75	262 40	260 49
		40883 64	39328 10	39860 68	40780 53	32791 73
DISTRIBUTION						
	Mining Department	28669 15	27679 68	29185 92	33311 61	28491 88
	Land Department	909 69	894 28	658 53	319 94	284 69
	Furnace Department	1517 77	1611 54	1480 39	1530 62	1656 41
	Lumbering Department	1325 75	1067 70	856 42	839 47	1163 96
	Gwinn District Office Expense	8461 28	8074 90	7679 42	4778 89	1194 79
		40883 64	39328 10	39860 68	40780 53	32791 73

PENSION DEPARTMENT

PENSION DEPT.

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

w. Various Departments (continued)

LAND DEPARTMENT

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE

FOR THE YEARS 1927 and 1928

	<u>1924</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>
<u>General Welfare Acc. #11.</u>					
A-2 Prop. Chgd. By Treas.		319.95	284.30	45.00	45.00
11-F Miscellaneous Expense		810.96	810.96		
<u>Celebrations</u>					
Visiting Nurse-Marquette	120.00	120.00	1095.26	50.00	120.00
Munising Hospital	600.00	600.00			
Pensions Paid	400.00	333.36	333.36	400.00	400.00
To Employees and families	540.00	540.00	540.00	540.00	540.00
<u>Donations</u>					
Negaunee Fire Department		10.00	10.00		
Munising Baseball Club	225.00	9.75	2198.00	1777.00	1225.00
Munising Fire Department		10.00	10.00		
U. P. Development Bureau	6501.00	750.00	750.00	1590.00	1590.00
John Ripley	1611.95	5.00		1019.25	1225.00
Munising Golf Club			70.24		
<b>Totals</b>		<b>2249.02</b>	<b>2268.86</b>		

Compensation

a. funeral expense			
d. legal expense		.55	30.65
g. medical expense		688.84	13.45
h. compensation payments		2169.84	1742.35
i. monthly payments to doctors		35.30	72.50
<b>Compensation payments</b>		<b>.02185</b>	<b>.02204</b>



PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

w. Various Departments (continued)

RAILROAD DEPARTMENT

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE

FOR THE YEARS 1924 to 1928 INCLUSIVE

	<u>1924</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>
<u>Donations:</u>					
Fire Department	\$35.00	35.00	40.00	45.00	45.00
Societies	35.00	10.00			
Celebrations	35.00				
Visiting Nurse-Marquette	120.00	120.00	180.00	60.00	120.00
Munising Hospital	600.00	600.00	600.00		
St. Lukes Hospital	400.00	400.00	400.00	400.00	400.00
To Employes and families	540.00	540.00	540.00	840.00	690.00
Pensions	<u>486.00</u>	<u>432.00</u>	<u>432.00</u>	<u>432.00</u>	<u>432.00</u>
	2251.00	2137.00	2192.00	1777.00	1687.00
<u>Compensation</u>					
Compensation paid	3501.46	3798.47	3969.01	1590.36	2371.65
Medical Expense	1611.98	858.60	972.68	1019.29	1169.95
Percentage of payrolls	.0037	.0045	.0042	.0018	.0026
<u>Compensation</u>					
Medical and Hospital	7191.15	5703.65	4772.05	7901.30	5982.94
Compensation Payments	8044.84	14462.11	2572.42	4497.06	5109.87
Percentage of Payrolls	.0272	.0683	.02240	.04035	.02945

PENSION DEPT.

ANNUAL REPORT

YEAR 1928

23.

w. Various Departments (continued)

w. Various Departments (continued)

LUMBERING DEPARTMENT

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE

FOR THE YEARS 1924 to 1928 INCLUSIVE

	<u>1924</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>
<u>General Welfare Acct. #11.</u>					
Prop. chgd. by Treas.	1325.75	1067.70	852.62	844.64	1158.16
<u>General Welfare</u>	<u>1924.</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>
<u>Miscellaneous</u>					
Prop. chgd. by Treas.	1827.77	1613.38	1551.71	1798.12	2040.32
Prizes to Tenants		100.00			
Donations					
Various Societies	5.00	5.00	10.00	5.00	5.00
Red Cross		10.00		10.00	
Persons					
Munising Hospital	<u>1000.00</u>	<u>2500.00</u>			
	2330.75	3582.70	862.62	859.64	1163.16
<u>Safety Work</u>					
Equipment					
Supplies	55.43	68.98	36.04	37.85	47.33
<u>Compensation</u>					
Medical and Hospital	7191.13	5703.65	4772.05	7901.30	5982.94
Compensation Payments	8044.84	14462.11	2572.42	4497.05	5109.87
Percentage of Payrolls	.0272	.0533	.02240	.04035	.02965
<u>Institutions</u>					
St. Luke's Hospital	400.00	400.00	400.00	400.00	400.00
Red Cross	25.00				
Subsidiary Stamps	10.00				2.30
	435.00	400.00	400.00	400.00	402.30
<u>Reserve paid</u>	<u>2000.00</u>	<u>2000.00</u>	<u>2000.00</u>	<u>2000.00</u>	<u>2000.00</u>
<u>TOTAL</u>	<u>4435.89</u>	<u>3619.21</u>	<u>3158.06</u>	<u>3297.82</u>	<u>3785.89</u>
<u>Other Work</u>					
Charges for work & equipment	198.16	64.66	78.22	63.70	61.38
<u>Compensation</u>					
Medical & Hospital expense	1815.83	1298.32	1260.31	1827.29	3728.47
Compensation Paid.	6779.66	2297.48	2267.30	2671.33	2472.73
<u>Compensation Payments - Percentage of payrolls</u>					
Marquette Plant	.01363	.007982	.006440	.004528	.0047307

PENSION DEPT.ANNUAL REPORTYEAR 1928

23.

w. Various Departments (continued)PIONEER IRON COMPANY FURNACE DEPT.COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE  
YEARS - 1924, 1925, 1926, 1927, 1928

	<u>1924,</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>
<u>General Welfare Acct. #11</u>					
A-2 Prop.Charged by Treas.	1517.77	1613.32	1551.71	2093.12	2040.32
B Prizes to Tenants		100.00			
C Visiting Nurse	300.00	300.00			
Community Chest			375.00	375.00	375.00
<u>Boarding House</u>					
Total Cost of operation					
Net Loss or gain					
<u>Donations</u>					
Salvation Army	25.00	25.00			
American Legion					15.00
Fire Department	10.00	10.00	10.00	10.00	10.00
Societies	20.00	10.00	10.00		
Celebrations	4.50				
Persons (Mrs.Orhenen & Mrs. Cameron)		220.00	370.00	600.00	460.00
House Rents	37.50	7.50	90.00	90.00	
Golf Club					1000.00
<u>Institutions</u>					
St. Luke's Hospital	400.00	400.00	400.00	400.00	400.00
Red Cross	25.00				
Tubercular Stamps	10.00				2.00
	<u>2349.77</u>	<u>2685.82</u>	<u>2806.71</u>	<u>3478.12</u>	<u>4302.32</u>
<u>Pension paid</u>	<u>2085.82</u>	<u>2833.39</u>	<u>5351.35</u>	<u>4819.73</u>	<u>5481.50</u>
TOTAL	4435.59	5519.21	8158.06	8297.85	9783.82
<u>Safety Work</u>					
Charges for work & equipment	198.16	64.68	78.40	69.70	61.58
<u>Compensation</u>					
Medical & Hospital exepnse	1615.83	1598.33	1400.36	1327.29	3728.47
Compensation Paid.	5779.66	2407.65	3267.50	3032.93	3272.73
<u>Compensation Payments-</u> <u>Percentage of Payrolls</u>					
Marquette Plant	.01369	.007962	.006440	.006389	.0067807



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