

REPUBLIC MINE:

The Republic Mine was purchased on May 1st, but we did not take over the operation until June 1st, at which time Mr. J. M. Bush was placed in charge. His report for the balance of the year is a very interesting document, and the results obtained reflect credit on his ability.

We have not yet reached the limit of cost, as many of the improvements recommended when the property was purchased are yet to be made. In comparing costs with those obtained by the old company for 1912 and 1913 it is well to bear in mind that we have entirely overhauled and rebuilt the pneumatic power plant, and are sinking No. 9 Shaft and the Pascoe Shaft, all of which has been charged to operations. If we are to secure an output of 150,000 to 175,000 tons per year, it will be necessary to sink continuously in order to keep the development work ahead of mining. Practically no sinking had been done for two years before we took over the property, and consequently the development is far behind what it should be.

IMPERIAL MINE:

The Imperial Mine Lease has four years to run from April 1st. Even if the mine is operated continuously we cannot exhaust the estimated reserves in that time. We have spent a large sum of money in erecting a crusher, and it would seem advisable to either apply for an extension of the lease or to purchase the property, if it can be bought for a small sum. This Company and Messrs. Pickands, Mather & Company own the Webster Mine, lying immediately west, which will undoubtedly furnish all the tonnage of this grade that can be sold for some years to come, so that we could not afford to make any large investment in the fee of the Imperial. This question should be considered and some conclusion reached as soon as possible, so that the matter may be taken up with the Michigan Land & Iron Company during this dull period in the iron market.

JUNCTION FORTY:

By arrangement with the Lake Superior Iron Company the deposit of ore on our Junction Forty, adjoining the Section Sixteen Mine, is being explored, and is turning out exceedingly well. The ore is of Abbotsford grade, but unusually high in Iron and low in Phosphorus, the average analysis showing - Iron 65.22 and Phosphorus .0103. In addition to the hard ore, there is an underlying deposit of soft ore, which has not yet been explored, but from analyses of ore adjacent on the Lake Superior land is of good non-Bessemer grade. At the end of the year the ore is still continuing to the West, and there is no reason why it may not extend entirely across the Forty. In this event, there will be a very considerable tonnage, probably sufficiently large to justify a separate development.

WAGES:

There was a general reduction of ten percent in wages, effective October 1st, which has been reflected in the cost of the ore since that time. The reports submitted for each mine show what this has been in percentage, and also in dollars and cents.

EDUCATIONAL WORK:

The educational work under Mr. Stephenson has been remarkably successful, and his report for the year is an interesting one. I have permitted him to include a photograph of the class so as to show the age and appearance of the men.

The educational work in the mechanical and electrical departments has continued very successfully under the direction of Mr. Gallagher, Assistant Mechanical Engineer, and Mr. Stanford, Chief Electrician.

LEASES:

The only outstanding lease on lands of this Company is held by the Empire Iron Company, covering the E $\frac{1}{2}$ of the SW $\frac{1}{4}$ of Section 19, 47-26.

TAXES:

Following their usual practice, the Tax Commission re-valued all the iron mines during the past year. At the hearing in Lansing, at which you were present, they insisted on eliminating from the cost the items of unsuccessful explorations and depreciation of investment. This, of course, increased the profit at all of our mines, and had it not been that the Commission increased the life of the mines and made other allowances, the values would have been very largely increased, instead of slightly decreased as they were.

THE CLEVELAND-CLIFFS IRON CO.

MINING DEPARTMENT.

VALUATIONS - MINE REALTY.

MINE.	AS ASSESSED 1 9 1 2	AS ASSESSED 1 9 1 3	AS ASSESSED 1 9 1 4
Negaunee	5,355,000	4,555,000	4,240,736
Maas	4,505,000	2,987,000	2,530,650
Lake	2,925,000	2,677,500	2,480,220
Princeton No. 1	63,000	24,400	10,530
Princeton No. 2	472,500	565,000	246,312
Austin	382,500	280,000	203,520
Stephenson	321,300	228,000	100,000
Lloyd	222,000	90,000	56,000
Morris	180,000	154,500	54,624
Chase	90,000	40,000	15,000
Barnes & Hecker Exp.	2,520	51,000	51,000
C. & N.W. Explor. 19-45-25	8,500	10,000	10,000
C. & N.W. Explor. 21-45-25	85,000	20,000	20,000
C. & N.W. Explor. 29-45-25	42,500	20,000	20,000
Francis	42,500	42,500	42,500
Jopling	85,000	100,000	84,000
Gwinn	204,000	195,500	199,903
Gardner	76,500	70,000	70,000
Mackinaw	119,000	70,000	70,000
Athens	565,000	750,000	611,500
Salisbury	149,850	117,000	50,000
Cliffs Shaft	2,316,600	1,961,000	2,410,040
Jackson	225,000	250,000	250,000
Exploration - 6-47-27		311,000	315,000
Imperial	20,000	95,000	159,160
Republic			958,945
TOTAL,	\$18,458,270	\$14,617,700	\$15,259,640

STATEMENT OF RATE OF TAXATION PER \$100.00

	1914.	1913.	1912.
City of Ishpeming	1.66	1.69	1.76
" Negaunee	1.43	1.36	1.32
" Ironwood			1.07
" Marquette	1.72	2.13	1.78
Tilden Twp.	1.18	1.25	1.21
Spurr "	1.76	1.59	2.49
Forsyth "	1.94	1.68	1.81
Montreal"			1.26
Knight "	2.22	2.10	1.90
Richmond"	1.98	2.07	2.07
Ely "	1.35	1.47	1.80
Ishpeming	1.98	2.04	3.33
Itasca County, Minn.	4.61	4.72	3.77
Bates Twp.	1.32	1.35	1.25
Mastodon"	1.53	1.18	1.07
Negaunee"	3.25	3.38	5.53
Sands "	1.48	1.48	3.50
Marquette	1.23	1.30	1.93
Iron River	1.74		
Au Train		4.41	4.45

ANALYSIS OF RATE PER \$100.00

	Ishpeming.	Negaunee.
State Tax	.19	.19
County "	.27	.27
School "	.54	.36
Highway"	.24	.15
City "	.17	.31
Fire "	.05	
Library"	.05	
Sewer "	.01	
County Road Tax	.08	.09
Cemetery	.01	
Water Tax	.05	
Special Tax		.03
Total	1.66	1.43