

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

GENERAL MINING NEWS

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 11, Number 34 [Thursday, January 10, 1907], page 1, column 2

Extended Trip.

O.C. Davidson, Dr. J.A. Crowell and Edward G. Kingsford left last evening for Chicago, where they will be joined by John R. Wood, of Appleton, John H. McLean, of Duluth, and Capt. John C. Greenway, of Caleraine, Minn. The party is headed for Old Mexico for the purpose of inspecting a mining property, which is being developed by John R. Wood. The property is located in the mountains of the state of Senora [*sic* – *Sonora*], and in order to reach it a horseback ride of several days' duration is a necessity. The gentlemen will be absent from the "States" several weeks.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 11, Number 50 [Thursday, May 2, 1907], page 1, column 6

Filling the Pit.

Nearly two hundred men, four train crews, nearly two hundred flat-cars and two large steam shovels are now employed by the North-Western and St. Paul roads in the work of filling and ballasting the tracks across the Chapin pit. The daily expense probably exceeds \$1,500. It is certain that the work will continue throughout the season.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 9 [Thursday, July 18, 1907], page 1, column 3

Restore Second Track.

For a number of years the St. Paul road maintained two tracks across the Chapin cave. Acting upon the advice of a Chicago engineer, and contrary to the strenuous objections of the division officials, one of the tracks was abandoned and permitted to go down. The Chicago official maintained that one track would be just as safe as two and argued that it would be much cheaper. Time has established that the Chicago man didn't know what he was talking about. The one-track plan was neither safe nor cheap. This having been proven the company will at once make the necessary fill for a second track. The experiment of the Chicago man has cost the company a good many thousands of dollars.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 11 [Thursday, August 1, 1907], page 1, column 3

Hustling Ore.

The North-Western and St. Paul roads are hustling ore from the range mines to the Escanaba docks at an unprecedented rate at present. At the Chapin mine three steam shovels are employed loading stock-pile [*sic* – *stockpile*] ore, two of them day and night. This in addition to the daily output. Last week the average daily tonnage from this property exceeded over 8,000 tons. This means over 230 carloads. If the recent rate of shipments continues for a few weeks but little stock-pile [*sic* – *stockpile*] ore will be carried over this winter.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12,

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[Compiled and Transcribed by William J. Cummings]

Number 15 [Thursday, August 29, 1907], page 1, column 3

Track Settled.

The south bound passenger train on the St. Paul, which is due at 9:25 p.m., was delayed two hours last Tuesday night at the Chapin cave on account of the track having settled about eight inches for a distance of sixty feet. It was necessary to get out a crew of men and level up the track before the train could pass. The company keeps two flagmen to patrol the track over the cave at night and stop trains in case of danger.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 22 [Thursday, October 17, 1907], page 4, column 1

DICKINSON MINES

PRODUCED OVER TWO AND A HALF MILLION TONS OF ORE.

Percentage of Fatalities the Lowest in the Lake Superior Region – Mr. Trestrail’s Summary.

The annual report of Mine Inspector Trestrail was submitted to the [sic – to the] board of supervisors last Monday. The report contains much information in a concise form.

From the report it is learned that the mines of Dickinson County produced 2,574,875 tons of ore for the year ending September 30th. The Press readers will no doubt be surprised to learn that this is 104,949 tons less than for the year ending

September 30th, 1907 [sic – 1906], when the total was 2,689,864 tons. Following is the production by mines:

Chapin.....	844,358
Millie.....	14,057
Traders.....	131,384
Pewabic.....	392,374
Walpole.....	54,353
Concentrating Works.....	1,514
Aragon.....	426,917
Norway.....	81,000
Vulcan & Curry.....	279,000
Vivian.....	78,176
Loretto.....	103,224
Munro.....	40,623
Breen.....	23,263
Saginaw.....	22,036
Calumet.....	46,005
Few.....	1,500
Groveland.....	9,391
Explorations.....	26,200

The report shows that there are 3,392 men employed in the mines – underground and on the surface. This total is somewhat misleading for the reason that the companies figure the actual number of days’ labor performed. To illustrate, the Chapin may have in October 1,000 names on the pay roll [sic – payroll], but the number of days’ labor may not exceed 700. Following are the totals for the several properties:

Chapin.....	861
Millie.....	25
Cundy.....	2
Traders.....	83
Pewabic.....	454
Walpole.....	57
Concentrating Works.....	49
Aragon.....	539
Norway.....	75
West Vulcan and Curry.....	460
East Vulcan.....	170
Vivian.....	85
Eleanor.....	1
Loretto.....	215

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Munro.....	38
Breen.....	16
Saginaw.....	48
Calumet.....	63
Few.....	21
Groveland.....	35
Explorations.....	95

During the year there were only seven fatalities – a remarkable record. Four of the accidents occurred underground and three on the surface. Of the surface accidents[,] one happened while engaged in mining work – two meeting death at railway crossings and the third was crushed by a wagon.

The report is well summarized in the following table:

Number of mines.....	34
Number employed underground.....	2,374
Number employed on surface.....	1,018
Total number persons employed.....	3,392
Number fatal accidents.....	7
Number fatal accidents per 1,000 men employed.....	2
Number gross tons of iron ore mined.....	
.....	2,574,875
Number gross tons of ore mined per Fatal accident.....	367,838

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 23 [Thursday, October 24, 1907], page 1, column 4

RUN DOWN BY A TRAIN

Timothy Holland, Aged Watchman, is the Victim of Work Train.

At about ten o'clock last Thursday night, Timothy Holland, night watchman for the Chicago, Milwaukee & St. Paul road, was run down by a train consisting of an engine

and three gondola cars and was instantly killed.

The accident occurred near the watchman's house within a few yards of the Chapin mine pit.

Holland had been employed as watchman at this point for five or six years and was noted for his extreme attentiveness to his duties.

At the time the train signaled for the pit Holland was in the house preparing his lunch. He had taken off his eye-glasses and it is to this fact that he undoubtedly owes his death.

Hearing the train approaching he stepped out of the house on to the track. The engine was pushing the three cars. Without his glasses, and being confused no doubt by the glare of the headlight, he failed to notice the position of the cars. The calls of the train crew, who were on the forward car still further confused the old gentleman, it is supposed. It was impossible to stop the train, and he was knocked down and pushed along the track for a distance of fifteen feet. His death was instantaneous, the body being badly mutilated by the wheels.

Mr. Holland was over seventy years of age. He had been a resident of the city for nearly twelve years, all the time employed by the St. Paul company as watchman at crossings. Prior to coming to Iron Mountain he was section foreman for eight years for the company at Ellis Junction [*Crivitz*]. He was the father of thirteen children and is survived by seven sons and two daughters. Mrs. Holland died several years ago. The remains were taken to Green Bay for burial.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 31 [Thursday, December 19, 1907], page 1, column 6

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Curtailing.

About one hundred and eighty men have been let out at the local mines of the Oliver Iron Mining company. Forces have also been reduced at Norway and throughout the Lake Superior region. The men let out here were all unmarried. It is believed that the curtailment is only a matter of a few months.

Last Saturday was pay day [sic – payday] at the Pewabic Mine and the Oliver company liquidates to-morrow – several days earlier than usual. Both companies employed scrip.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Increased Output.

The five mines on this range controlled by the Pickands, Mather & Co., interests, and of which Charles E. Lawrence, of this city, is general superintendent, show material increase in shipments for the year with the exception of the Vivian at Quinnesec. The Baltic at Palatka shipped 197,068 this season in comparison with 186,495 last year, an increase [of] 10,573 tons. The Caspian, in the same district, shipped 139,092 tons this year, last season 80,875 tons, an increase of 48,217 tons. The Hemlock, at Amasa, increased its shipments from 106,437 tons to 116,237 tons and the Calumet at Felch, Felch Mountain district, from 15,773 tons to 50,350. The Vivian decrease is from 122,577 tons in 1906 to 48,493 tons this year. The total output from the five

properties is 671,240 tons in comparison with 612,167 tons in 1906.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Small Increase.

The several mines of the Oliver Iron Mining company on this range shipped 1,617,089 tons of ore this season in comparison with 1,536,275 tons in 1906, as follows: Chapin mine, 851,468 tons; Aragon[,] 441,068 tons; Mansfield, 183,531 tons; Michigan, 40,422 tons, and the Riverton[,] 90,000 tons. Last season the Chapin shipped 943,425 tons, the aragon, 431,000 tons, the Michigan[,] only 146 tons, no ore was shipped from the Mansfield and the Riverton sent out 161,704. The increase for all the properties is about 80,000 tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 34 [Thursday, January 9, 1908], page 1, column 4

One Crossing.

The Press learns that the head beadlers of the Chicago & North-Western and St. Paul roads are now endeavoring to arrive at a determination that will result in the abandonment of one of the crossings over the famous Chapin cave. The companies will unite in the maintenance of the North-Western crossing. This will necessitate the building of a spur track from the St. Paul to a connection with the North-Western south of the cave. The public wonders why the roads did not get together several years ago.

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Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 52 [Thursday, May 14, 1908], page 1, column 5

Capt. Mitchell Is Dead.

Capt. Samuel Mitchell, of Negaunee, died in a Chicago hospital last Saturday. He was one of the best known mining men in the northwest. He built the Methodist church at Negaunee and was known for his liberality to the poor. Capt. Mitchell discovered the big Negaunee mine, and afterward owned the Jackson [*Mine*], the oldest iron mine on Lake Superior, for which he paid \$500,000, selling it three years ago to the Cleveland Cliffs company for \$1,000,000. Capt. Mitchell also developed a number of mines on this range, in the Norway district. He was born in England, sixty-two years ago, and leaves a widow and grown up family. Mrs. John Perkins, of Norway, is a sister.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 6 [Thursday, July 2, 1908], page 1, column 4

Ore Movement.

There is now a fair movement of ore from this range to the Escanaba docks. The following mines are now shipping over the North-Western: James, Baltic, Caspian and Hiawatha in the Iron River-Stambaugh district; the Dunn, Florence, Chapin, Pewabic, Aragon, Curry, the Vulcan and Loretto. The St. Paul is also handling considerable ore from the Iron Mountain and Crystal Falls districts.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 21 [Thursday, October 15, 1908], page 1, columns 3-4

ANOTHER BONANZA

SAN ANTONIO COPPER CO. ORGANIZED LAST SATURDAY.

With Capital of \$2,500,000 to Operate Wood Mines in Mexico; Stock Over-subscribed.

At a meeting of stock-holders [*sic* – *stockholders*] held last Saturday in this city the San Antonio Copper company was organized with a capital stock of \$2,500,000. The par value of the stock is \$10.00. It was voted to issue 200,000 shares retaining 50,000 shares in the treasury.

The officers of the company are as follows:

President – Otto C. Davidson, of Iron Mountain.

Vice-President – Dr. Joseph A. Crowell, of Iron Mountain.

Secretary-Treasurer – George J. Eisele, of Iron Mountain.

Directors – Otto C. Davidson, Dr. Joseph A. Crowell, George J. Eisele, Edward G. Kingsford, of Iron Mountain; Richard C. Flannigan, of Norway; D.G. Kerr, of Pittsburg, Penn., J.U. Sebenius, of Duluth; C.D. Fraser, of New York City, and Louis W. Powell, of Bisbee, Arizona.

The company has been incorporated under the laws of the territory of Arizona and the main office will be in Iron Mountain.

Interested with the local capitalists in the organization of the company are President

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Corey, of the United States Steel corporation, President Cole, of the Oliver Iron Mining company, and others equally well-known in the world of finance, particularly in copper and iron circles.

We have been informed that the San Antonio is what might be termed a close *[sic – closed]* corporation. There is no stock for sale, the capital, we learn, having been largely over-subscribed.

The properties of the company are located about a quarter of a mile northwest of the Yaqui river near the village of San Antonio de la Huerta, Ures District, Senora *[sic – Sonora]*, Mexico. It was located by John R. Wood, a former well-known resident of Iron Mountain, and have *[sic – has]* since been in *[the]* course of development during the past two years. Property is reached by a day's journey by rail from Guaymas to Cumeripa on the Cananea, Yaqui River & Pacific railroad, thence about eighty miles on the trail by horse back *[sic – horseback]* to San Antonio.

The property comprises nine claims, acquired by purchase and denouncement, covering an area of two thousand acres. These claims, known as the San Antonio, Copper King, Copper Queen, Confianza, Good Hope, Wisconsin, Appleton, Oversight and Michigan, are located on either side of a deep arroyo connecting the town with the camps. The geological features of the claims are very simple. Only one rock is represented, and that an intrusive porphyry. The covers the entire area of the claims with the exception of a small outcrop of limestone on the extreme eastern end of the Michigan claim, near the proposed smelter site.

The copper bearing formation occurs as mineral segregation in this porphyry outcropping in several places, approximately a belt from 200 to 500 feet

wide and extending across the property in a northeast-southwest direction.

Copper was mined on the San Antonio claim as far back as 1862. It was worked by Mexicans in a crude way, the ore being packed on burrows *[sic – burros]* to Guaymas. The old workings consist of small open cuts, shallow shafts and tunnels.

The later development work under the direction of Mr. Wood consists of seven tunnels, three on the northern slope and four on the southern slope of the mountain. They aggregate about 4,000 feet of drifting and crosscutting.

Rich ore has been cut in nearly all the tunnels. One engineer estimates the value of the ore already block *[sic – blocked]* out at several millions of dollars.

The percentage of copper is very high, averaging much higher than the ores of Montana and Arizona. The claims are so located that the mining cost is a very low one. There will be no expensive shafts to sink with the attendant costly hoisting plants. All the mining will be through tunnels penetrating the ore bodies, making the cost of mining the ore extremely low. As one expert has stated, the ore can be mined for what it is costing some of the other concerns to keep their workings free from water. In other words, the San Antonio will have no water to pump.

The San Antonio has other favorable ***[need to copy the remainder of the article in column 4]***

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DICKINSON CO. MINES

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[Compiled and Transcribed by William J. Cummings]

Statistics of Year Gleaned from the Report of Mine Inspector.

The annual report of Mine Inspector Trestrail will be submitted to the board of supervisors at the adjourned annual meeting which will convene next Monday. As usual, it is complete in every particular, containing much information relative to the mining industry.

During the year there were only four fatalities and the victims were: John W. Mathews, pumpman, killed at the Pewabic mine, Oct. 13th, 1907; John Beard and John Orler, miners, killed at the East Central Vulcan mine, March 21st, 1908, and Adolph Bloom, killed at the Chapin mine *[old Ludington Mine shaft]*, Sept. 13th, 1908. There were only six non-fatal accidents worthy of record.

The report is summarized in the following table:

Number of iron mines in the county.....	22
Number of persons employed underground	1,602
Number of persons employed on surface.....	843
Total number of persons employed... ..	2,445
Number of fatal accidents.....	4
Number of fatal accidents per 1,000 men employed.....	2
Number of gross tons of iron ore mined.....	1,617,824
Number of gross tons of ore mined per fatal accident.....	404,456

There are thirteen companies operating in the county. The tons of ore mined during the year follows:

Chapin.....	514,193
Millie.....	10,045
Traders.....	16,488
Pewabic.....	398,784
Walpole.....	23,625
Aragon.....	269,400
Norway.....	19,343

Saginaw.....	40,344
East Vulcan.....	159,614
East Central Vulcan.....	82,703
Loretto.....	13,000
Munro.....	30,400
Groveland.....	9,615
Breen.....	534
Calumet.....	27,644
Few.....	1,127
Explorations.....	965
Totals.....	1,617,824

The number of men employed at the several properties underground and on the surface was 2,445, several hundred less than the previous year. In commenting on this fact the inspector says:

“While it appears by the tables given in this report that there has been considerable of a reduction in the number of men employed, the facts do not bear this out. In the columns giving number *[of]* persons employed, etc., is stated the actual days worked, and as a very small percentage of the men employed work full time, and when we consider the fact that several of our mines have been working from half to three-quarters time, preferring to do this rather than to materially reduced *[sic - reduce]* the force, it will readily be seen that the number employed is not far from the normal.

“With regard to the decrease in production of ore mined, I would say that the majority of our mines have confined themselves more to preparatory work, such as sinking new shafts, driving new drifts and crosscuts, and in generally doing what is known as “dead-work” in mine phraseology then *[sic - than]* to the producing of ore.”

The following table records the number of men employed at the several mines:

Chapin.....	555
Millie.....	23
Cundy.....	2
Traders.....	21

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Pewabic.....	438
Walpole.....	27
Concentrating Works.....	2
Aragon.....	284
Norway.....	42
Saginaw.....	64
East Vulcan.....	450
East Central Vulcan.....	200
Vivian.....	1
Loretto.....	125
Munro.....	57
Groveland.....	30
Breen.....	14
Calumet.....	47
Few.....	12
Explorations.....	51
Totals.....	2,445

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 23 [Thursday, October 29, 1908], page 1, column 3

Returns to Mexico.

John R. Wood left Appleton last Friday for San Antonio, Senora [*sic – Sonora*], Mexico, where he will hasten the work of developing the properties of the recently organized San Antonio Copper company. Mr. Wood does not expect to return to the "States" until next spring.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 24 [Thursday, November 5, 1908], page 2, column 2

San Antonio Copper.

Of this copper property, John R. Wood, who has been in charge of the development work, says he can mine ore cheaper than any other concern in America or Mexico. He has no hoisting to do, no water to pump,

the ore being brought out through short tunnels in the side of the mountain. He says the deposits are as big and the ores are richer than those of any American camp, this including Bisbee and Butte, and Mr. Wood, who has followed mining all his life[,] should know much of the subject. The company was organized in Iron Mountain last week, O.C. Davidson, who has charge of mining affairs for the United States Steel corporation on that and the Gogebic ranges, being the president. A railroad which is building to San Antonio will soon be completed, when the mine will be directly connected with the consuming places and will begin business on a large scale. From all we have heard about it we believe the company has a wonderfully valuable possession. It is practically a close [*sic – closed*] corporation, no stock having been placed upon the market. – Iron Ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 39 [Thursday, February 18, 1909], page 1, column 4

Wrong Impression.

In order to correct an impression we did not intend to convey, The Press will state that John R. Wood is the general manager of the San Antonio Copper company. H.F. Ellard has been engaged as superintendent and will assume a portion of the duties of the burden which Mr. Wood has shouldered alone since the properties were first discovered. Mr. W. is returning east for a well-deserved rest and play-spell, but he will continue actively identified with the management of the mines of the company.

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Number 47 [Thursday, April 15, 1909],
page 1, columns 5-6

market conditions are ripe for such
purchases.

NEWS OF THE MINES

CALUMET MINE AT METROPOLITAN SUSPENDS OPERATIONS.

The Oliver People Will Increase Production at Dober and Mansfield; Ore to Docks.

The Calumet mine of the Calumet Ore company, located in the Felch Mountain district, suspended mining operations last Saturday, General Superintendent Lawrence having received orders to that effect from the Cleveland headquarters. About fifty men were employed at the property. The majority will no doubt find employment at the other Pickands, Mather & Co. mines. There are 20,000 tons of ore in stock at the mine and it is expected that this tonnage will be shipped. The company had just completed ten dwelling houses and several other buildings at the mine, and it was the intention to work a full crew during the season, but business conditions showing no signs of immediate improvement, it was decided to suspend operations. The ore body at the Calumet is growing larger and the iron content is improving with depth. It is desirable ore in many respects, but Pickands, Mather & Co. are interested in several other mines producing the same grade and they find it cheaper to buy than to mine. This concern is conservative and long-headed and show it deciding to conserve their own ore bodies and buy from their neighbors when the

Increased Output.

The Oliver Iron Mining company will greatly increase the shipments of ore from its two Iron county properties this season. General Superintendent Davidson informs The Press that the company plans to forward to the Escanaba docks 150,000 tons from the Dober mine in the Stambaugh district and the same tonnage from the Mansfield in the Crystal Falls district. Last season the Dober shipped 47,072 tons and the Mansfield 44,633 tons, making the increase for both properties for the season considerably over 200,000 tons. It is understood that a considerable portion of the ore will be shipped to the new furnaces at Gary, Ind. The working forces at the two properties were recently increased, and the Dober is now employing 150 men and the Mansfield 110 men.

Encouraging Results.

The Verona Mining company is employing about twenty-five men at the Channing-Gibbs exploration and is meeting with encouraging results, a considerable body of ore of marketable grade having been proven up. Mr. Lawrence, the general superintendent, tells The Press that the property will not be in shape to ship a sample cargo of ore this season, as has been reported. A shaft-house will have to be erected and the property equipped with a plant of machinery adapted to the mining of ore. The exploration is located four miles north of Amasa at Flewelling Spur on the St. Paul Road.

Shipping Ore.

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The Chicago & North-Western road has received a call for ore cars from several range mines and loading was commenced last Tuesday. In the Crystal Falls district the Dunn is shipping and the Florence mine is loading twenty cars daily. The West Vulcan, East Vulcan and Curry mines of the Penn group commencing [sic – commenced] loading in a small way on Tuesday. The Oliver company has not made a requisition for cars as yet. The St. Paul road is handling a few cars daily from the Tobin mine.

First Ore Cargo.

The Buffalo & Susquehanna company is the first concern to send iron ore to the docks. A cargo was forwarded the first of the week from the Ohio mine at Michigamme to the Marquette docks.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 51 [Thursday, May 13, 1909], page 1, column 3

IS NOT INTERESTED

SAN ANTONIO CO. IN SUIT COMMENCED AGAINST WOOD.

Company Has a Gilt-Edged Title to Properties; Suit a Personal One Against J.R. Wood.

R.L. Hogue, a prominent mining engineer of Bisbee and Sonora, has brought a suit against John R. Wood, general manager of the San Antonio Copper company, which involves about

\$50,000, according to a dispatch from Tombstone, Arizona. The dispatch says:

“Hogue alleges in his complaint that on Aug. 17h [sic – 17th], 1906, and for several months prior to that time, he was the owner of an undivided half interest in an option for the purchase of the San Antonio property, located in the Urees district, the option being given by the owners to Wood; that the sale was consummated with the aid and money of third parties, who had become interested in the deal through the efforts of himself and Wood; that part of the consideration was that after incorporation a large amount of stock was to be issued to Wood.

“On the date mentioned the plaintiff alleges that differences arose between himself and Wood over the former’s interest and a compromise agreed upon at Hermanilleo, whereby Wood agreed to pay Hogue the sum of \$5,000 gold and \$2,800 Mexican currency and 2,000 shares of stock in the corporation that was to be organized in the United States to take over the stock of the Mexican corporation.

“Hogue continues in his complaint with details regarding the formation of the San Antonio Copper company and subsequent dealings with his former partner. He states that the company was incorporated under the laws of Arizona on April 12th, 1908, and that Wood received a large quantity of stock – about 40,000 shares fully paid and non-assessable. He states that Wood paid him the money due according to the compromise agreement, but that he failed to deliver the shares of San Antonio stock, upon which he places a valuation of \$25 per share.

“The plaintiff prays the court, pending final adjudication, that Wood be restrained by a temporary writ of injunction from selling or assigning the stock in the San Antonio Copper company owned by him, and also asks for a writ restraining the

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corporation from **[need to copy the remainder of this article]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 6 [Thursday, July 1, 1909], page 1, column 3

OPEN AN OFFICE HERE.

Longyear & Hodge Co., Diamond Drill Contractors, Coming Here.

John E. Hodge, of Marquette, member of the Longyear & Hodge company, diamond drill contractors, spent last Monday in the city. Mr. Hodge tells The Press that his company has decided to open an office in Iron Mountain and expect to conclude the arrangements within a few days. Iron Mountain will be made headquarters for the company's extensive operations on the Menominee and Gogebic ranges. The Longyear & Hodge company is the largest diamond drill contracting concern in this country. It operates extensively on the Menominee, Marquette, Gogebic, Mesaba, Vermillion Cuyuna and Wisconsin iron ranges as well as in the copper country and other mining districts throughout the country. The company has several hundred drills in operation the year around. The decision to locate an office in Iron Mountain is highly important from a business standpoint. the [sic – The] company is large employers of skilled labor.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 9 [Thursday, July 22, 1909], page 1, column 5

Damage by Rain.

This section was visited by another cloud burst late last Tuesday afternoon and much damage was done in the business district. Nearly all the Stephenson avenue basements were flooded. The Sundstrom hardware basement, occupied by John Blixt as a barber shop, contained nearly four feet fo water and the one under the Fisher block over three feet. Many merchants had goods damaged. On Stephenson avenue the water overflowed the sidewalks. The hill streets were washed out in many places and the damage in this direction will reach several hundred dollars. The St. Paul track near the hospital was washed out for a distance of twenty feet and trains were delayed several hours. **One of the North-Western tracks across the pit was badly damaged.** Gardens on the hills also suffered. The sewers were much too small to handle the downpour and the need of a storm sewer system was made manifest. According to the government water gauge at the Oliver Iron Mining company's office the rain fell equally three and one-third inches.

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BIG WATER TOLL

TEN TONS FOR EACH TON ORE AT THE CHAPIN MINE.

Florence Mine Booked for a Record Production of Ore This Year – Boiler for Munro Mine.

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[Compiled and Transcribed by William J. Cummings]

It may surprise the lay readers of The Press to learn that for every ton of ore hoisted at the Chapin mine the pumps bring to the surface ten tons of water. That's some water, and represents an expense met with in few Lake Superior properties. Reduced to gallons the figures become startling. Figures prepared by Chief Engineer Richards show that the pumps – and the bailers at the Hamilton shaft – bring to the surface every minute 2,700 gallons, each hour 162,000 gallons, each day 3,888,000 gallons and each month 116,640,000 gallons. The figures become more startling when taken in comparison with the 700,000 gallons which the local water works plant pumps each twenty-four hours to supply the city, railroads and manufacturing concerns.

General Manager Vogel, in an interview last Saturday, informed The Press that the Florence mine would produce more ore this season than in a single year in the history of the property. Mr. Vogel is figuring on a production of 250,000 tons. Last season the property produced about 140,000 and in 1907 about 180,000 tons. The largest shipment in a single year was in 1905, when 233,858 tons were sent to the docks, but a considerable portion of this tonnage was from old stock-piles [*sic – stockpiles*]. Manager Vogel expects to make his record shipment of 250,000 tons with a working force of about three hundred men. This indicates a very low mining cost. The property is looking healthy and is in better condition than at any time in its history. It has large reserves of ore. Under Mr. Vogel's management extensive improvements have been made on the surface and underground. Indeed, almost the entire surface plan has been renewed and is now equal to any in the Lake

Superior district. The mine location is a model – as neat and tidy as a well-kept house. The work under underground [*sic*] has been judicious and resultful and always with an eye to the future. Manager Vogel has an able and sympathetic staff of assistants at the property.

The Buffalo & Susquehanna company has placed an order with Hunt, of Marinette [*sic – Marinette*] for a large boiler for the Munro mine. The manufacturer has agreed to deliver the boiler in record time. The old boiler has been repaired and the work of unwatering the workings is now in progress. It is expected to commence shipping ore to the docks in ten days. Supt. McDermott [*sic – McDermott*] will have to hustle if he mine [*sic – mines*] the 25,000 tons allotted to the property.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 10 [Thursday, July 29, 1909], page 1, column 3

Title Perfect.

It is printed in a western paper that one R.L. Hogue “has denounced a part of the rich San Antonio copper property,” which is controlled by Iron Mountain capitalists. It is also printed that “the part denounced was left open by an error in the survey, and the title was issued in accordance with the survey.” The publication was probably made on the “authority” of Hogue. Hogue is in the business of “denouncing” and “announcing” things that are not so. It can be said that the San Antonio Copper company has a perfect title to its claims in Mexico and has the support of the government. Hogue is the same fellow who endeavored to “denounce” a portion of the

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[Compiled and Transcribed by William J. Cummings]

wealth of John R. Wood, but failed, as he will fail in his present attempt to “grab off” something to which he has no title. The management of the San Antonio can be depended upon to call Mr. Hogue’s bluff in a way that he will not like.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 21 [Thursday, October 14, 1909], page 1, column 1

MINES OF THE COUNTY

MORE MEN EMPLOYED AND LARGER ORE OUTPUT FOR YEAR.

There Were Only Two Fatal Acci- dents During the Year, Low- est Percentage in U.P.

There were only two fatalities in the mines of Dickinson county for the year ending September 30th, according to the report just issued by Mine Inspector Trestrail. This is a percentage of .75 to the 1,000 men employed and is the lowest not only in the history of this district, but in any mining district in the world. It is indeed a remarkable record and speaks volumes for the high grade of men employed in our mines and also for the management. Last year, there were four fatalities. In Iron county, this year, there were sixteen fatalities and in Marquette county there were twenty-three accidental deaths. In this county both accidents occurred at the workings of the Antoine Ore company.

The report of Mr. Trestrail shows an increase in the number of men employed of 204. The totals for the several properties

are printed below, 1,788 being employed underground and 861 on the surface:

Name of Mine	Total No. Employed
Chapin.....	650
Millie.....	25
Traders.....	88
Pewabic.....	417
Walpole.....	47
Concentrating Works.....	1
Cundy.....	1
Vivian.....	1
Few.....	13
Munro.....	67
Saginaw.....	53
Norway.....	70
Aragon.....	356
West Vulcan.....	390
East Vulcan.....	180
Loretto.....	185
Breen.....	1
Groveland.....	35
Calumet.....	44
Explorations.....	25
Total.....	2,649

The following table gives the production of ore for the year covered by the report:

Name of Mine	Ore Mined
Chapin.....	482,945
Millie.....	8,459
Traders.....	657,059
Pewabic.....	414,518
Walpole.....	19,669
Few.....	500
Munro.....	31,638
Saginaw.....	27,056
Norway.....	3,876
Aragon.....	296,155
West Vulcan.....	165,965
East Vulcan.....	85,046
Loretto.....	79,759
Groveland.....	22,456
Calumet.....	19,849
Total.....	1,764,590

The total shows an increase over last season of 146,766 gross tons.

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[Compiled and Transcribed by William J. Cummings]

The outlook for the new year warrants the statement that there will be an increase in the number of active mines, in number of men employed and in the production. It is certain, too, that operations will be materially enlarged in other directions. Work is now in hand for a resumption for mining at two properties – the Vivian and Calumet – and it is highly probable that other idle mines will become active in the spring.

There are 5,628 men employed in and about the mining industry in Marquette county, as compared with 5,362 a year ago, according to the annual report of Mine Inspector Jon T. Quine. There are now forty-one mines operating in the county, an increase of one during the year, the Price of Wales at Negaunee having been added to the operating list. Two new quarries have been put into operation during the year, both near Harvey, the one operated by the Marquette Stone company and the other by the county road commission. Both are engaged in the manufacture of crushed rock for roadmaking [*sic – road-making*] purposes. From the stand-point [*sic – standpoint*] of fatal accidents, the mines have not been quite so fortunate as during the year ending Sept. 30th, 1908. During that year there were sixteen mine fatalities, an average of 2.98 to every 1,000 men employed. During the year just closed there were twenty-three accidental deaths in the mines of the county, an average of four to every 1,000 men employed.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 23 [Thursday, October 28, 1909], page 1, column 4

Will Drill for Ore.

The Oliver Iron Mining company is planning to do some extensive diamond drill exploring to the west and north of the city starting in the vicinity of Pine Mountain and working in the direction of the river. In the early days of the range some work of a crude nature was done in this district, but the results were not considered sufficiently encouraging to warrant shaft-sinking. Deep drilling may prove up an ore deposit worth while [*sic – worthwhile*].

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 23 [Thursday, October 28, 1909], page 1, column 6

A Second Track.

The Press learns from a source that it considers reliable that the Chicago & North-Western railroad has decided definitely to build a second track from Iron Mountain to Florence to be used exclusively in the ore business. The question of utilizing the right of way of the old Escanaba, Iron Mountain & Western road has not yet been determined, but our informant was of the opinion that this route would be selected. Work on the additional track will commence at as early a date as possible in the spring. The Press has also been informed that the North-Western has determined to move the bridge and straighten out the dangerous reverse curves at the Brule river.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 23 [Thursday, October 21, 1915], page 1, column 5

MINES OF THE COUNTY

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[Compiled and Transcribed by William J. Cummings]

Smaller Forces Employed and Shipments Shrink in Past Year.

The annual report of Mine Inspector Trestrail has been issued and contains the usual interesting information regarding the mines of the county.

According to the report, there are seventeen operating mines in the county, but only eight of the number produced ore during the season. The producers are: Chapin group, Pewabic, Walpole, Aragon, Penn group, Loretto and Indiana. The non-producers: Millie, Traders, Cundy, Munro, Norway, Breen, Groveland and Calumet.

The producing mines are credited with the following outputs for the year ending September 30th:

Chapin.....	307,958
Pewabic.....	236,102
Walpole.....	1,773
Aragon.....	168,173
Penn group.....	246,608
Vulcan group.....	55,714
Loretto.....	84,687
Indiana.....	41,735

The total production for the year covered by the report is 1,141,930 tons of ore. This in comparison with a production of 1,405,036 last year, a decrease of about 260,000 tons. Notwithstanding the decreased production, the railroad tables will show increased shipments, we believe, as several large stock-piles [*sic* – *stockpiles*] were loaded out.

The number of men employed by the several companies is given at 1,820, 1,296 underground and 524 on the surface. These figures are misleading to the lay reader, as the companies enumerate in their returns only the number of days during which the men worked. To illustrate, a mine could have 800 men on the pay roll [*sic* – *payroll*] at present and 200 for another period, but in preparing the table

only the number of days' work performed during the year would be taken into consideration. However, according to the table the average number of men at work is as follows:

Chapin.....	490
Millie.....	1
Traders.....	2
Pewabic.....	257
Walpole.....	5
Cundy.....	1
Munro.....	1
Norway.....	1
Aragon.....	253
Penn group.....	429
Vulcans [<i>sic</i>].....	168
Loretto.....	120
Breen.....	1
Groveland.....	1
Calumet.....	1
Indiana.....	57
Explorations.....	32

The most noteworthy feature of the report is that only one fatality occurred in the mines during the year. Last year there were five. A considerable number of non-fatal accidents are chronicled, but none of them will lead to total disability. The percentage is .54 per 1,000 men employed.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 36 [Thursday, January 27, 1910], page 1, column 5

Beaver Iron Company.

At a meeting of the stockholders of the Beaver Iron company held in Marquette yesterday afternoon, it was voted to extend the corporate life of the company thirty years. An election of officers was held resulting as follows: President, Edward N. Breitung, of Marquette; secretary, Fred Braskey, of Iron Mountain; directors, A.C. Cook, John Marsch and Fred Braskey, of

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Iron Mountain; Edward N. Breitung, of Marquette, and W.D. Rees, of Cleveland. The company owns several thousand acres of mineral lands in Dickinson county

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 38 [Thursday, February 10, 1910], page 1, column 3

Fredeen Awarded Contract.

Gus Fredeen, the well-known contractor, has been awarded a contract for grading a six-mile extension for the Ishpeming, Lake Superior & Southeastern road. The extension is from Ishpeming to North Lake, where the Cleveland-Cliffs Iron company has opened several new mines. Mr. Fredeen is now engaged in operating a large logging camp at Cann Spur for the Oliver Iron Mining company, but he expects to finish the contract in about ten days when he will ship his construction outfit to Ishpeming. He has done much work for the Cleveland-Cliffs company in the past few years.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 38 [Thursday, February 10, 1910], page 1, column 3

New Ore Dock.

The work of driving piles for the new No. 5 North-Western ore dock at Escanaba will be completed this week. When the work is finished a total of 8,000 piles will have been driven and the foundation prepared for the big structure. The interior of the piling is to be filled with sand and the filling operations will start soon by John Marsch, who has the contract. When the dock is completed a total of 16,000,000 feet of timber will have

been used and the greater portion of that not already in place is on the ground.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 43 [Thursday, March 17, 1910], page 1, column 4

New Iron Company.

Capt. John T. Spencer has left for Cleveland, where he will assist in the organization of the Independent Iron company. Capt. Spencer has been offered the position of general manager of the mining and exploratory operations of the new concern and tells The Press he has decided to accept the appointment. The company is composed of Cleveland and Detroit capitalists, and we understand has secured options on large tracts of mineral lands on the Menominee, Marquette and Mesaba ranges. It is expected that extensive exploratory work will be commenced by the company in the near future.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 43 [Thursday, March 17, 1910], page 1, column 5

Dock Damaged.

During the fierce wind that blew from the north and northwest all day Sunday a section of the mammoth new ore dock being built in Escanaba by the Chicago & North-Western, gave way and collapsed into a heap of ruins. This occurred about three o'clock in the afternoon.

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Number 44 [Thursday, March 24, 1910],
page 1, column 3

May Organize Company.

Andrew Bjorkman, Thos. Hayes and others, who have been engaged for some time back in exploring for copper near the Menominee river east of the St. Paul tracks, are planning to organize a stock company to continue the exploratory work. Several shallow shafts have been sunk, but the inrush of water necessitated a suspension of operation. Mr. Hayes, who has been in charge of the work, tells The Press that copper values averaging better than six per cent were secured and that the gold values will exceed six dollars to the ton. In one test-pit [*sic – test pit*] a vein of silica six feet wide and running ninety-eight per cent pure was encountered. In the early days of the range John L. Buell explored for gold in the same district.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 46 [Thursday, April 7, 1910], page 1, column 5

NEW ORE COMPANY

FORMED WITH \$1,000,000 CAPITAL TO OPERATE HERE.

**Has a Strong Directorate
Composed Mainly of Well-Known
Detroit Men – Spencer is Supt.**

The Independent Iron company, which has acquired the mineral land holdings and explorations of Capt. John T. Spencer on the Menominee and other Lake Superior

iron ranges, has been incorporated under the laws of Arizona with a capital of \$1,000,000, divided into one million shares of one dollar each, fully paid and non-assessable.

The company is composed of well-known capitalists of Detroit, Capt. Spencer, of Iron Mountain, being the sole exception. The officers are as follows:

President – John A. Russell.

Vice-President – John T. Spencer.

Secretary – William L. White.

Treasurer – McArthur Rittenhouse.

The directorate is particularly strong and is composed of the following capitalists[,], nearly all of whom have more than a state reputation as reliable business men [*sic – businessmen*]. Following are the names and their business connections:

Eugene F. Bradt [*sic – Brandt*], formerly of Iron Mountain, now residing in Detroit, well-known mining engineer and superintendent.

William B. Cady, formerly of the Soo, member of the law firm of Shaw, Warren, Cady & Oakes, Detroit.

William A. Jackson, president of the Home Telephone Company of Detroit, formerly state manager of the Bell company, Detroit.

Frederick B. Shepherd, of New York City, general superintendent of the Railway Spring Company of America.

John T. Spencer, of Iron Mountain, superintendent of mines.

Louis O. Stanley, of Detroit, general attorney for the Grand Trunk Railway system.

McArthur Rittenhouse, of Detroit, general manager of the company, engaged in the lumber business and the manufacture of automobile supplies.

William L. White, of Detroit, sales manager.

As has been stated, the authorized capitalization is \$1,000,000. There have

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been absorbed in the acquisition of properties and organization expenses shares to the par value of \$200,000. There have been placed in the treasury shares of the par value of \$800,000. Of the treasury stock, a portion will now be sold for future developments and the remainder will be left in the treasury for future necessities.

It is the intention of the company to develop the Spencer property to the north and west of the city to a shipping stage at once and it is hoped to forward several sample cargoes this season. When this is accomplished, the properties will be developed.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 49 [Thursday, April 28, 1910], page 4, column 2

Iron River Mining.

The new steel shaft-house [*sic – shaft house*] at the James mine has been placed in position and the work of riveting the joints is being pushed as rapidly as possible. This shaft-house [*sic – shaft house*] will be ninety-five feet high and one of the best in the county. The new cement block boiler-house [*sic – boiler house*] has been finished for some time and the work of installing the boilers is well under way. The engine-house [*sic – engine house*] is also nearly completed. At a depth of 220 feet a fine sample of ore was cut in the Konwinski shaft, another Mineral Mining company property. The shaft will be carried down to the 300 foot level, when drifting will be commenced.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 52 [Thursday, May 19, 1910], page 1, column 4

Making Progress.

The Independent Mining company, which a few weeks ago acquired control of the Erie mine, seven mile west of Republic, has a number of men employed erecting [*an*] engine-house [*sic – engine house*], dry, office and other buildings, and machinery is being installed. A pump and hoisting engine were delivered at the mine two weeks ago, and a five-machine air compressor was received last Friday. A boiler is on the way, and as soon as it is installed the removal of the water from the shaft will be started. The management expects to begin mining within a few weeks. Besides developing the property, exploratory work will be conducted by means of test pits. The former operators found ore in several places and indications are favorable for locating deposits of high grade ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 5 [Thursday, June 23, 1910], page 1, column 1

Making Progress.

The Independent Mining company, which some weeks ago began work at the Erie property, seven miles west of Republic, is now working a good-sized force. The last of the buildings will soon be completed and the machinery is being rapidly put in position. The shaft through which the hoisting is to be done is being retimbered and this work will soon be finished. Republic men who are familiar with the Erie property believe that a fair-sized producer will be developed as present indications are favorable for the opening of good ore bodies. E.F. Bradt [*sic*], formerly of this

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city, who is one of the managing directors of the Independent company, was familiar with the Erie before his corporation secured control of it. He has visited the mine two or three times since the exploratory work was started.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 12 [Thursday, August 11, 1910], page 1, column 5

San Antonio Copper.

President O.C. Davidson, of the San Antonio copper [*sic* – *Copper*] company, is satisfied that his company has a most valuable possession in Mexico. The stock has depreciated in the market from some former quotations, but this does not change the conditions in the mine. All copper shares have had similar experiences. There is now a railroad to the property, machinery is being installed and when the copper market gets well again there should be a very satisfactory showing for the shareholders. San Antonio will get its copper for a long time without any pumping of water or ore hoisting, it being through tunnels driven into the mountain side. – Iron Ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 14 [Thursday, August 25, 1910], page 1, column 5

River Copper.

John R. Wood arrived in the city from Ishpeming last Monday evening and left Tuesday morning for Appleton. Mr. Wood tells The Press that the organization of the River Copper company has now been completed and title perfected to the lands in

Sonora, Mexico. The company's property adjoins that of the San Antonio Copper company, on the Yaqui river, and in the opinion of Mr. Wood is equally rich. Considerable rich ground has been opened by tunneling. Mr. Wood expects to leave for Mexico in about three weeks.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 17 [Thursday, September 15, 1910], page 1, column 2

River Copper Co.

John R. Wood was a visitor from Appleton last Thursday and Friday. Mr. Wood will leave shortly for Senora [*sic* – *Sonora*], Mexico, to visit the workings of the recently organized River Copper company in which he is heavily interested. The property of the River company is located along the Yaqui river, a few miles distance from the mines of the San Antonio Copper copper [*sic*] company, which were located by Mr. Wood. At the River property the development work is along the lines pursued at the San Antonio. Tunnels are being driven into the mountain side [*sic* – *mountainside*] and have already reached a depth of about four hundred feet. Mr. Wood is a most enthusiastic booster of and believer in the worth of San Antonio, but he also maintains that the properties of the River company will prove equally as rich. Interested with Mr. Wood in the River company are Geo. A. St. Clair and a number of Duluth and Cleveland capitalists.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 21 [Thursday, October 13, 1910], page 1, column 1

Homestead Copper.

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[Compiled and Transcribed by William J. Cummings]

The annual meeting of the stockholders of the Homestead Copper Mining company will be held at the town-hall in Homestead on Saturday, October 22nd. The meeting is called by Secretary Eric Hager for the purpose of electing directors and the transaction of routine business. No work has been done at the property in some time.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 22 [Thursday, October 20, 1910], page 1, column 5

DICKINSON MINES

**PRODUCED OVER 2,000,000 TONS
OF IRON ORE PAST YEAR.**

Increased Number of Men Employed and There Were Nine Fatal Accidents; Annual Report.

The report of Mine Inspector Trestrail for the year ending September 30th has been issued and contains many items of interest relative to the mines of Dickinson county.

During the year covered by the report there were nine fatal accidents in comparison with two in 1909. The names of the victims follow: Aegello [*sic* – *Angelo*] Ameta, Fred Evivan, Natali Ragni, Wejsenk Cinta, Henry Belsvik, Albert Hunt, Eugene LaLonde, Candido Simoni, Tito Pollatto. Five were miners, two helpers and two trammers. Four were Italian, one Polander, one Scandinavian, one Englishman, one American, one Austrian. All of the victims were comparatively young men, the oldest being forty years and the youngest

nineteen, and only three were married. Two of the fatalities happened at the Millie mine, two at the Traders, two at the Chapin, and one each at East Vulcan, West Vulcan and Loretto mines. Four of the accidents were caused by a fall of ground, two by fall of ground and timber, two by falling down a shaft, one by falling down a pit.

The following table shows the number of tons of ore mine [*sic* – *mined*] at the several properties in the county for the year ending September 30th.

Chapin.....	581,240
Millie.....	10,983
Traders.....	128,596
Pewabic.....	389,558
Walpole.....	9,430
Vivian.....	45,495
Few.....	1,000
Munro.....	13,000
Saginaw.....	3,000
Norway.....	68,054
Aragon.....	306,511
Curry – West Vulcan.....	226,174
East Central – East Vulcan.....	104,776
Loretto.....	128,181
Groveland.....	14,785
Calumet.....	35,634
Explorations.....	3,000

The total production for all the properties is 2,069,417 tons. This is an increase of 304,827 tons in comparison with the output during the same period in 1909.

The table following [*sic*] records the number of men employed underground and on the surface at the properties named during the year covered by the report:

Chapin.....	751
Millie.....	27
Traders.....	86
Pewabic.....	424
Walpole.....	24
Cundy.....	2
Vivian.....	59
Few.....	12
Munro.....	45

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Saginaw.....	15
Norway.....	84
Aragon.....	386
West Vulcan.....	489
East Vulcan.....	230
Loretto.....	278
Breen.....	1
Groveland.....	37
Calumet.....	85
Explorations.....	69

The total is 3,104 at all the mines – 2,227 men underground and 377 *[sic – 887]* on the surface. This is an increase of 455 men in comparison with the number employed last season. This table is deceiving in that, while the inference is given that the number of men employed is noted, when, in reality, the table only records the number of days' work actually performed during the year at the several properties. There are nearer 4,000 men employed in the mines of Dickinson county than 3,104 as stated in the report.

Following is inspector Trestrail's synopsis of his report: Number of mines in county, 23; number of persons employed underground, 2,227; number of persons employed on the surface, 887; total number employed, 3,104; number of fatal accidents per 1000 men employed, 5.899; number of gross tons of ore mined, 2,069,417; number of gross tons of ore mined per fatal accident, 229,; total number employed, 3,104; number of fatal accidents per 1000 men employed, 5.899; number of gross tons of ore mined, 2,069,417; number of gross tons of ore mined per fatal accident, 229,935.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 28 [Thursday, December 1, 1910], page 1, column 4

Pension Plan.

The United States Steel corporation, it was learned on Tuesday[,], is to announce a pension plan for employes *[sic – employees]* between sixty and seventy years of age, which will become effective Jan. 1st. Employes *[sic – Employees]* in the service twenty years can retire at the age of sixty and when after twenty years of service they reach the age of seventy-one years a compulsory retirement clause operates.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 29 [Thursday, December 8, 1910], page 1, column 2

San Antonio.

The development so far accomplished by the San Antonio Copper Co., at San Antonia de la Huerta, in the Yaqui River region, Mexico, amounts to fully 30,000 feet. The development has been almost entirely by tunnels, nineteen having been driven. Surveys have been made for the twentieth tunnel, to be driven 4500 feet to cut the vein at a depth of 1200 feet below the outcrop. A big tonnage has been proved, and a smelter will be erected when the management deems it advisable.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 45 [Thursday, March 30, 1911], page 5, column 3

San Antonio.

The annual meeting of the stockholders of the San Antonio Copper company, *[sic]* will be held at Bisbee, Arizona, on the 10th of April. The report printed in another column, credited to John R. Wood, that Col.

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Powell, of Bisbee, has been appointed general *[sic – general]* manager of the property, is pronounced untrue by President Davidson. Col. Powell is a resident director of the company, however.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 50 [Thursday, May 4, 1911], page 1, column 3

San Antonio Copper.

The report that L.W. Powell, late general manager of Calumet and Arizona, etc., had been given the same position with *[the]* San Antonio Copper company, is incorrect. John E. McIntyre, formerly assistant superintendent at San Antonio, is now in charge, vice *[sic]* H.F. Ellard.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 30 [Thursday, December 9, 1915], page 1, column 5

SHOWS BIG INCREASE.

Escanaba Figures Show Gain of Over 1,911,000 Tons of Ore.

The stirring activity which has marked the past season at the Escanaba docks of the North-Western and St. Paul roads came to a close yesterday when the steamer Perseus filled its hold with red ore from the pockets of the St. Paul dock.

Final figures given out by Dock Agent H.J. Robertson, of the North-Western docks, shows *[sic – show]* a total tonnage of 4,060,000 tons from the dock of that road during the past season has been forwarded to lower lake ports. This figure is declared

to better last year's mark by approximately 1,000,000 tons. Mr. Robertson stated that no definite repair program has been as yet mapped out for his docks.

Dock Agent George Stoik, of the St. Paul docks, announced the figures for his dock as 1,588,000 tons for 1915. This exceeds last year's figures by 911,000 tons and is close to the road's best season which was recorded. Light repair work will soon be started at the St. Paul docks to put them in shape for the winter.

The season's total figures*[,]* as given out by dock officials of both roads*[,]* is 5,648,600 tons. Officials regard the season as highly satisfactory.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 36 [Thursday, January 20, 1916], page 1, column 5

INCREASE IS GENERAL

All Mining Companies in the District Advance Wages the First.

All the mining companies operating in this district will increase wages the first of February. The companies include the Oliver Iron Mining company, Pewabic company, Antoine Ore company, Indiana Mining company, The Verona Mining company and all other concerns operating on the range. The wage schedule has not yet been arranged and it cannot be stated, at this time, whether or not all classes of labor will benefit.

President Olcott, of the Oliver Iron Mining company, who returned to Duluth from New York on Monday, says that it developed at the New York meeting that the raise in wages to take effect among the

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

employes [*sic – employees*] of the Steel corporation will not be a horizontal advance, as that is contrary to the policy of the corporation and to the beliefs of its officers, but that the advance will be made on the basis of competency and efficiency. About 11,000 employes [*sic – employees*] of the corporation in this section will benefit by the raise. Mr. Olcott said that the gathered officials felt quite optimistic for the continuation of the business that promises to mark the present year.

It is certain that the independent operators will follow the lead of the Oliver company.

Miners in this district are now receiving the highest pay in the history of the range, so we have been informed. The average daily wages for miners is about \$3.25 for a day of eight hours.

About \$15,000,000 will be added to the annual labor bill of the United States Steel corporation as a result of the voluntary increase of ten per cent in the wages of unskilled labor and proportionate advances among other classes of employes [*sic – employees*], which was announced by Chairman E.H. Gary to be effective Feb. 1st.

The increase will give the individual employe [*sic – employee*] of the corporation the largest return for his services in history. The average wage in salary per man of the employes [*sic – employees*] during the past two years has been \$905 per annum. In 1914, the number of employes [*sic – employees*] was 179,353 and the total wages in salary \$162,379,907; in 1913, the number was 228,906; and the total payment \$207,206,176. The totals of 1913 were the highest of any year.

Judge Gary's announcement of the wage advance is as follows: "In view of the prosperous conditions now existing it was unanimously voted at a meeting of presidents of our iron and steel companies,

held recently, to recommend that there should be made adjustments of the wage rates to take effect Feb. 1st, and at a subsequent meeting of the finance committee it was unanimously decided to adopt the recommendation of the presidents. It is proposed to increase the rates of common labor about ten per cent. As to other departments, increases will be equitably proportioned.["]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, column 1

MINES OF COUNTY

INSPECTOR TRESTRAIL REVIEW OF OPERATIONS DURING YEAR.

Report Shows Large Increase in Shipping of Ore; Over Five Hun- dred More Men Employed.

According to the report of Mine Inspector Trestrail for the year ending September 30th, the mines of Dickinson county produced 1,545,721 tons of ore in comparison with 1,141,930 during the corresponding period last year, an increase of over 400,000 tons. The actual shipments of ore from the mines of the district will be several hundred thousand tons greater than this, as at several properties stock-piles [*sic – stockpiles*] that has [*sic – have*] been in evidence for a number of year [*sic – years*] have been shipped.

The increase in the number of men employed during the year, according to the report, was materially increased, exceeding five hundred. During the period covered by

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the report 2,376 men were employed underground and on the surface and last year 1,820.

There are nine active mines in the county and seven idle mines. The idle mines are: Millie, Cundy, Munro, Norway, Breen, Groveland and Calumet. The Munro is now being prepared for active operations and may make a considerable shipment this fall. Several of the idle mines may be active another season. The Cundy mine has been dismantled, the Oliver Iron Mining company having turned the property back to the fee owners.

The producing mines are the Chapin-Ludington-Hamilton group of the Oliver Iron Mining company, Traders, Pewabic, Walpole, Aragon, Curry-Brier-Hill-West Vulcan group, East Central Vulcan, East Vulcan, Loretto and Indiana, and they produced ore tonnages as follows:

Chapin.....	476,175
Traders.....	86,994
Pewabic.....	236,684
Walpole.....	12,722
Aragon.....	222,820
Curry.....	282,898
E. Central Vulcan.....	73,105
Loretto.....	116,062
Indiana.....	36,055
Explorations.....	2,206

The following table gives the number of men employed underground and on surface in the mining operations:

Chapin.....	703
Millie.....	2
Traders.....	85
Pewabic.....	255
Walpole.....	26
Cundy.....	1
Munro.....	1
Norway.....	1
Aragon.....	329
Curry.....	489
E. Central Vulcan.....	175
Loretto.....	174

Breen.....	1
Groveland.....	1
Calumet.....	1
Indiana.....	41
Stripping contracts.....	47
Explorations.....	34

In figuring the number of men employed the inspector bases his figures upon actual number of days' work performed during the year covered by the report.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, columns 1-2

Much Stripping Done.

During the past season a new record has been established in stripping ore deposits in the Iron Mountain district. At the workings of the Antoine Ore company, John Marsch has about concluded a contract for the removal of 100,000 cubic yards of earth. This work was started in August and will be finished in a short time. The excavation extends from the old workings to the old Cornell pit, within a short distance of Lake Antoine. The Traders pit is now the largest in the upper peninsula, we believe. Considerable development work will be done at the property during the winter months. At the Indiana mine, the Marsch people removed 60,000 cubic yards of over-burden. The Indiana Mining company is now mining and shipping the ore. At *[sic]* the Munro mine of the Munro Mining company is now engaged in stripping a considerable territory, but no figures are obtainable as to the total. The Hoose & Person Construction company has the contract.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21,

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Number 23 [Thursday, October 19, 1916], page 6, columns 4-5

Mine Accidents.

The forthcoming report of Mine Inspector Trestrail for the year ending September 30th, [sic] will record eight fatalities in the mines of Dickinson county, the largest number in many years. At the West Vulcan mine three men – Thomas Jones, Richard Hooper and Fred Vercautern – were killed by a cave of ground on July 20th. Gust Darras had both legs fractured at the Aragon mine and he died several months later from infection. Joseph Polkinghorn was buried in fine ore and died from suffocation, at the Ludington shaft of the Chapin mine. Arthur Marsell, a cage tender, walked into the shaft of the West Vulcan mine and fell 800 feet. At the Curry shaft of the same mine, Michael Vittorio, [sic] had a hand smashed and died from blood poisoning. Andrew Hassell met death at B shaft, Chapin mine, being struck by a falling chunk of ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 41 [Thursday, February 22, 1917], page 1, columns 1-2

OUTLOOK IS FINE

FOR A VERY BUSY SEASON IN
THE IRON MOUNTAIN DISTRICT.

All the Old Mines Will Be Operated
Vigorously; Several New Ones
Are to Be Active Early.

The outlook for the coming season in the Iron Mountain mining district is the most encouraging in many years. Unless there should be a most violent business convulsion, there will be more ore produced, more exploratory work done and [a] greater number of men employed than in many years. Every mine in the district will be active with enlarged forces, several new properties will be developed and may be added to the list of producers, and the explorer will be active in new fields.

In the past twenty-five years there has been comparatively little exploratory work done in the Iron Mountain district in comparison with other upper peninsula fields. The Press is sufficiently optimistic to believe that new and large deposits of ore will be found in this district. We have faith in the Lake Antoine country and its eastern and its western trend. Little or no exploring has been done in the district south of the lake to the Chapin deposit nor in the valley west of Carpenter avenue and south of Brown street.

Letters received here during the past ten days state that the Dickey Mining company, organized a dozen or more years ago, proposes to do some diamond drill exploring at the Dickey farm adjacent to Lake Antoine on the west. The extent of the work cannot be learned at this time.

It has been the persistent contention of John T. Jones and others that the "mother lode" of the district would be found at a considerable depth in that district. At about the time of his death, Peter L. Kimberly had arranged to put down a diamond drill to the depth of 3,000 feet. The Newport Mining company, working under an option secured from the late John L. Buell, put down several holes south of the lake a year ago, but not to [a] depth sufficient to prove the worth of the district. Some twenty odd years ago, the Interstate Mining company, a Pewabic subsidiary, drilled a number of

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holes in the swamp in the vicinity of the Indiana.

A year ago, the E.N. Breitung interests secured control of the property north of the Traders, explored by John T. Spencer. The work done by Mr. Spencer proved up a large deposit of ore, rather low in iron, but also low in phosphorous, a merchantable quality. It was the intention of Mr. Breitung and associates to have started the work of developing the property last season, but other more weighty matters interferred [*sic* – *interfered*]. An attempt was made several months ago to buy out the Breitung interests, but the would-be purchaser was informed that it was not for sale, and the intimation was given that the property would be active in the near future. In the vicinity of the Indiana Mr. Spencer has another property that has attracted considerable attention and may be well placed before the season has well advanced.

The newest company to enter the field is the West Chapin Mines company, which was organized recently at Detroit. As the name indicates, the property is west of the Ludington shaft of the Chapin group. The property was explored by John T. Spencer. The work included the sinking of a shaft to a depth of several hundred feet. The ore comes so near the surface in some places that the question of stripping the property has been considered and this may be done. Last season the property was examined by a Detroit engineer with this thought in mind. The new company has a large capital and will commence operations at once.

At Quinnesec, the McKenna heirs, associated with New York City capitalists, are drilling the homestead. The work is being done by the St. Clair Exploratory company. Five or six holes have been put down and it is understood that ore of a merchantable grade was cut in all of them. This exploratory work will no doubt lead to the development [*of the*] property.

At the properties of the Oliver Iron Mining company the installation of the electric pumping plant has very materially reduced the high cost of operation. The properties are employing more men than in many years. This winter ore is being stocked at the Hamilton and Ludington shafts. The properties are being worked strongly and the reduction in the water charges assures a continuation of this activity.

Despite rumors of semi-annual occurrence, the Pewabic continues to be active. The shipments last season were the largest in ten years. A goodly force of men is employed and no doubt the force will be increased when the shipping season opens. The Press can state as a fact that the Walpole will also be active.

Supt. Carbis is employing a force of about seventy men in the development work at the property of the Antoine Ore company. The program of improvement is a large one. It includes a drift, or tunnel, one thousand feet long. This drift is ten by twelve feet in size. A distance of about four hundred feet has already been cut. This drift will be connected with the surface by twelve mills, or raises. These mills are about six by six feet in size. Half of them will be about sixty-five feet in depth and the other half about one hundred and fifteen feet. The ore will be milled down from the surface to the tunnel and trammed to the crusher plant. In cutting the tunnel and the raises fully 10,000 tons of ore, or about three hundred carloads, will be mined. This ore will be crushed and loaded into cars furnished by the Chicago, Milwaukee & St. Paul road. The Peninsula Power company is now engaged in erecting the poles for the transmission line from Twin Falls to the mine. While all plans for the electrification of the plant at the mine are not yet completed, it will include a modern haulage plant, which will greatly expedite mining

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operations and the pumping plant operated by electricity. When the work is completed the Antoine Ore company will have one of the most modern plants of machinery in the district. Supt. Carbis has orders to prepare the mine for an output of not less than 150,000 tons of ore during the coming season. This is about double the usual production and means work for many more men.

Improvements preparatory to an enlarged output are also the order of the day at the workings of the Indiana Mining company. A considerable territory was stripped last season. The plant of machinery is to be operated by electricity and the installation work is now in progress. A deal has been closed with the Peninsular company for the necessary power. The transmission line has been built from Twin Falls to the mine. A number of new buildings have been erected and more are contemplated, including dwelling houses. Supt. Richards was considerably handicapped last season by a scarcity of labor and late railroad connections. Notwithstanding a nice shipment of ore was made. Another handicap is the poor highway connections with Iron Mountain. The authorities should improve the road as early as possible in the spring. The mine employes [*sic – employs*] a considerable force of men and Iron Mountain is their natural trading place, but the trade will go elsewhere if the road is not placed in repair. The mine is an asset that the merchants cannot afford to lose. The Indiana is subsidiary to the Thomas Furnace company, of Milwaukee, which smelts all, or nearly all, the ore. The ore is of a very desirable quality for making certain grades of steel.

The Munro mine, on Section Six, will make a large output if present business conditions maintain. Nearly 30,000 tons were shipped in record time last fall and the

property, if pushed, could send to the docks next season several hundred thousand tons of ore. A considerable territory was stripped last season by the Hoose & Person Construction company and the work will be continued in the spring. It is operated by the Munro Mining company, subsidiary to the Pickands-Brown furnace interests.

And then we have a report to the effect that the Millie mine will make a considerable shipment of ore during the season.

Yes, indeed, the outlook is encouraging in the Iron Mountain mining district.

ANTOINE ORE COMPANY **[near Iron Mountain]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 11, Number 33 [Thursday, January 3, 1907], page 1, column 6

Shaft Timber.

Henry Melis, who operates a small mill across the river in Wisconsin, has secured a contract from the Antoine Ore company for 50,000 feet of timber. The material will be employed in the new shaft now being sunk by the mining company.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 3

Moving Shaft-House.

At the workings of the Antoine Ore company the shaft-house [*sic – shaft house*] is being moved south about three hundred feet to the new shaft. The house contains two crushers and the total weight

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is estimated at two hundred tons. It is a down-hill [*sic – downhill*] task, which makes the undertaking a difficult one. When the house is in place the ground between the new and old shafts is to be stripped preparatory to mining the ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 27 [Thursday, November 24, 1910], page 1, column 4

Steel Men Here.

Messrs. Maker and Scott, of Pittsburg, Walker, of Boston, and Blanchard, of Chicago, officials of the Shenango Steel company, spent last Tuesday in the city, coming here for the purpose of inspecting the workings of the Antoine Ore company in which their corporation holds a one-third interest. The gentlemen were accompanied by J.A. Savage, of Duluth, general manager of mines for the Shenango company in the Lake Superior region.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 49 [Thursday, April 19, 1917], page 1, column 5

Wages Increased.

Supt. Frank Carbis, of the Antoine Ore company, now subsidiary to the Republic Iron & Steel company, has received orders from the general management that the wages of all employes [*sic – employees*] will be advanced ten per cent. The increase is effective on or after the first of May, in keeping with a similar order issued by the Oliver Iron Mining company. The advance will not only benefit the hundred or more men at work here, but the men at all the company's properties.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 14 [Thursday, August 27, 1908], page 1, column 3

Antoine Ore Co.

Charles T. Fairbairn, general manager of the mines of the Republic Iron and Steel company, was in the city from Duluth last Friday. James A. Savage, manager of the mines of [*the*] Shenango Steel company, was also here from Duluth the same day. The gentlemen held a consultation with E.W. Hopkins, manager of the Oblebay, Norton & Co. mining interests. It was relative to the affairs of the Antoine Ore company, and there is rumor in circulation that mining operations may soon be resumed at this property, but The Press has been unable to confirm the report.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 11 [Thursday, August 5, 1909], page 1, column 5

A New Position.

Will K. Carter, for several years bookkeeper for the Antoine Ore company, has resigned and left this morning for Commonwealth to accept a more important and lucrative position in the office of Oglebay, Norton & Co. Mr. Carter succeeds J.F. Fleisher, who has accepted a cashiership on the Mesaba range and his successor in the office of the Antoine Ore company is Ernest Johnson.

APPLETON MINE
[Loretto]

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Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 41 [Thursday, February 27, 1908], page 1, column 5

Loretto and Appleton.

On the fourth page we print an excellent picture of the shaft buildings at the Loretto and Appleton mines. Mining operations have been suspended at both properties until a new channel has been cut for the Sturgeon river. This work has been in hand for several months, John Marsch having the contract. Two steam shovels, seventy men, four teams and four dinky engines are at work.

ARAGON MINE [Norway]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Small Increase.

The several mines of the Oliver Iron Mining company on this range shipped 1,617,089 tons of ore this season in comparison with 1,536,275 tons in 1906, as follows: Chapin mine, 851,468 tons; Aragon[,] 441,068 tons; Mansfield, 183,531 tons; Michigan, 40,422 tons, and the Riverton[,] 90,000 tons. Last season the Chapin shipped 943,425 tons, the Aragon, 431,000 tons, the Michigan[,] only 146 tons, no ore was shipped from the Mansfield and the Riverton sent out 161,704. The increase for all the properties is about 80,000 tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 1 [Thursday, May 28, 1908], page 1, column 3

Commence Shipping.

Orders have been received at the office of the Oliver Iron Mining company to commence the shipment of ore from the Chapin and Aragon mines, and the railroads delivered the first cars this morning. This may indicate an early resumption of mining operations with full forces.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 6 [Thursday, June 24, 1915], page 7, column 3

NORWAY NEWS NUGGETS

Commencing last Monday, the men at the Aragon mine are working on full time. This is the first time in five years that the men have worked six days per week. Some of the time it has been five, four and as low as three days per week. Returning to full time brings a feeling of prosperity to all branches of business in the city.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 48 [Thursday, April 13, 1916], page 3, column 1

NORWAY NEWS NUGGETS

Gustav Doras, who was injured ten months ago by a fall of ninety feet in the Aragon mine, died last Thursday at Dr. E.P. Swift's hospital. He was forty-five years of age and leaves a wife and five children. Funeral services were held Monday

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morning from St. Mary's church by Rev. W.H. Joisten. The Finnish Brotherhood, of which he was a member, attended the funeral.

BRIER HILL MINE **[Norway]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 33 [Thursday, December 30, 1915], page 1, column 6

Dashed to Death.

Arthur Marcelle fell one thousand feet down the Brier Hill shaft of the Penn Iron Mining company at Norway at about four o'clock yesterday morning and nearly every bone in his body was broken. Marcelle was employed as cage tender. There were no witnesses of the accident and it is not known how it happened. It is the supposition that, [sic] Marcelle, in a condition of absent mindedness, thinking the cage was at the landing, walked into the shaft. Marcelle was thirty-six years of age and was held in high esteem as a careful workman. He is mourned by a widow and seven children and many friends.

CALUMET MINE **[Felch Mountain Range]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Increased Output.

The five mines on this range controlled by the Pickands, Mather & Co., interests,

and of which Charles E. Lawrence, of this city, is general superintendent, show material increase in shipments for the year with the exception of the Vivian at Quinnesec. The Baltic at Palatka shipped 197,068 this season in comparison with 186,495 last year, an increase [of] 10,573 tons. The Caspian, in the same district, shipped 139,092 tons this year, last season 80,875 tons, an increase of 48,217 tons. The Hemlock, at Amasa, increased its shipments from 106,437 tons to 116,237 tons and the Calumet at Felch, Felch Mountain district, from 15,773 tons to 50,350. The Vivian decrease is from 122,577 tons in 1906 to 48,493 tons this year. The total output from the five properties is 671,240 tons in comparison with 612,167 tons in 1906.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 49 [Thursday, April 23, 1908], page 1, column 4

Sinking a Shaft.

At the Calumet mine of the Verona Mining company, work on a new shaft is in hand. The shaft has reached a depth of eighty feet and will be sunk a total of 215 feet. It is expected to finish the work by the first of July. The company is employing twenty-five men at the property. General Superintendent Lawrence does not expect to ship any ore from the mine this season.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 47 [Thursday, April 15, 1909], page 1, column 5

NEWS OF THE MINES

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[Compiled and Transcribed by William J. Cummings]

CALUMET MINE AT METROPOLITAN SUSPENDS OPERATIONS.

The Verona Co.

The Oliver People Will Increase Production at Dober and Mansfield; Ore to Docks.

The Calumet mine of the Calumet Ore company, located in the Felch Mountain district, suspended mining operations last Saturday, General Superintendent Lawrence having received orders to that effect from the Cleveland headquarters. About fifty men were employed at the property. The majority will no doubt find employment at the other Pickands, Mather & Co. mines. There are 20,000 tons of ore in stock at the mine and it is expected that this tonnage will be shipped. The company had just completed ten dwelling houses and several other buildings at the mine, and it was the intention to work a full crew during the season, but business conditions showing no signs of immediate improvement, it was decided to suspend operations. The ore body at the Calumet is growing larger and the iron content is improving with depth. It is desirable ore in many respects, but Pickands, Mather & Co. are interested in several other mines producing the same grade and they find it cheaper to buy than to mine. This concern is conservative and long-headed and show it deciding to conserve their own ore bodies and buy from their neighbors when the market conditions are ripe for such purchases.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 20 [Thursday, October 7, 1909], page 1, column 2

The work of unwatering the Vivian mine at Quinnesec and the Calumet mine at Metropolitan is now in hand and as soon as the properties are dry mining operations will be resumed with a small force of men. Charles E. Lawrence, of this city, is general superintendent of the mines, and they are operated by the Pickands, Mather & Co. interests. At the new Channing mine, in the Amasa district, the St. Paul road is engaged in building a spur track from the Ontonagon branch, a distance of about two miles. The property was named in honor of J. Park [*sic* – *Parke*] Channing, who explored that district some seventeen years ago. It is understood that a goodly deposit of ore of an excellent grade has been proven up and the mine will be an active shipper another season. A force of twenty-five men is employed, but it will be increased as the ground is opened up. The Verona company is employing about seven hundred men at the Caspian and Baltic mines at Palatka.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 29 [Thursday, December 9, 1909], page 5, column 4

FACTS FROM FELCH.

The Old Hecla shaft, adjoining the Calumet on the east, is to be pumped out and sunk an additional hundred feet. The Hecla property is included in the Calumet lease and will be operated jointly with the Calumet.

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Number 46 [Thursday, April 7, 1910],
page 1, column 5

Calumet Closes.

The Calumet mine in the Felch Mountain district has suspended mining operations, letting out about one hundred men. The Calumet mine is operated by the Calumet Ore company[,] a subsidiary [of the] Pickands, Mather & Co. organization, and Charles E. Lawrence, of this city, is the general superintendent. It is a producer of low grade ore, and has a large stock-pile [sic – stockpile]. It is not known how long the property will remain idle.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 46 [Thursday, April 7, 1910], page 5, column 3

FACTS FROM FELCH.

The Calumet mine closed down on the first of April, throwing out of employment about 100 men. The men will be taken care of at the other properties of the company.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 46 [Thursday, April 7, 1910], page 5, column 5

FOSTER CITY FACTS.

The Calumet iron mine, located in this township, has closed down for the future on account of the poor quality of ore being mined. The pumps were taken up the 4th and will be removed with the other machinery to some one of the other mines belonging to the same company. The shutting down of the mine come [sic – comes] as a surprise to many, who

expected a good shipping season there this summer. Between fifty and one hundred men are thrown out of employment, many of them being married, who moved to the mine this spring with their families.

CHAPIN MINE **[Iron Mountain]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 11 [Thursday, August 1, 1907], page 1, column 3

Hustling Ore.

The North-Western and St. Paul roads are hustling ore from the range mines to the Escanaba docks at an unprecedented rate at present. At the Chapin mine three steam shovels are employed loading stock-pile [sic – stockpile] ore, two of them day and night. This in addition to the daily output. Last week the average daily tonnage from this property exceeded over 8,000 tons. This means over 230 carloads. If the recent rate of shipments continues for a few weeks but little stock-pile [sic – stockpile] ore will be carried over this winter.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 15 [Thursday, August 29, 1907], page 1, column 3

Stock Ore Gone.

With the exception of some 7,000 tons of ore at the Ludington shaft which is now being loaded, all the stock-pile [sic – stockpile] ore at the Chapin mine has been shipped. This is the first time in many years that all the stock docks have been cleaned up.

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Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Small Increase.

The several mines of the Oliver Iron Mining company on this range shipped 1,617,089 tons of ore this season in comparison with 1,536,275 tons in 1906, as follows: Chapin mine, 851,468 tons; Aragon[,] 441,068 tons; Mansfield, 183,531 tons; Michigan, 40,422 tons, and the Riverton[,] 90,000 tons. Last season the Chapin shipped 943,425 tons, the Aragon, 431,000 tons, the Michigan[,] only 146 tons, no ore was shipped from the Mansfield and the Riverton sent out 161,704. The increase for all the properties is about 80,000 tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 28 [Thursday, February 9, 1908], page 1, column 5

HOISTING ENGINE

THE LARGEST PLANT IN THE LAKE SUPERIOR IRON REGION.

The Load is 22,000 Pounds Not In- cluding the Steel Cable – Addi- tions to Pumping Plant.

A [*sic – At*] the new C Ludington shaft of the Oliver Iron Mining company there is now in course of erection one of the largest hoisting plants in the Lake Superior region.

The plant was built by the Allis-Chalmers Co., of Milwaukee, and is of a first motion design. The type of the engine is a duplex reversing Corliss with heavy duty frame. The size of the engine is 34x72 inches and the speed 50 r.p.m. The diameter of the drum is twelve feet and the face ten feet. The drum is keyed to the shaft and has turned grooves for 1.38 inch steel rope. The face of the lowering brake on the drum is fourteen inches. Type of reverse motion, Stephenson link.

The load to be hauled by the engine is 22000 [*sic – 22,000*] pounds not including the steel rope. The weight of the two empty skips is 4,000 pounds each and the weight of the ore in the skip will be 14,000 pounds. The size of the hoisting rope is one and three-eighth inches. The maximum depth for which the hoisting engine will be need [*sic – needed*] will be 3,000 feet. The engine is equipped with an automatic device for closing the throttle. It is expected to have [*the*] plant in operation in the early summer. The old engine employed at the shaft, after being rebuilt, will be shipped to Ironwood and placed in comission [*sic – commission*] at the Norrie mine.

C Ludington shaft has a total depth of 1,522 feet and it is expected to send the first ore to the surfaced early in the summer. It is probably the most modern shaft in the Lake Superior iron region and the sinking has consumed nearly three years of time. It is a steel, four-compartment shaft, measuring at the collar 21.3x10.4 feet.

The pumping engine, which performed such splendid duty at Chapin C [*sic – D*] shaft, now abandoned, is now in course of erection, but it will be many months before it will be in operation. This splendid piece of machinery has never been called upon for full duty. It has a capacity for handling 3,000 gallons of water per minute from a depth of 1,500 ft. At Chapin C [*sic – D*] the

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

lift was about 600 feet. Four sets of the pumps were operated [at Chapin D shaft, and] at the new shaft eight sets of pumps will be operated. These pumps are located about 190 feet apart except on the last, which is 170 feet.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 1 [Thursday, May 28, 1908], page 1, column 3

Commence Shipping.

Orders have been received at the office of the Oliver Iron Mining company to commence the shipment of ore from the Chapin and Aragon mines, and the railroads delivered the first cars this morning. This may indicate an early resumption of mining operations with full forces.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 10 [Thursday, July 30, 1908], page 1, column 3

NEW CHAPIN SHAFT

FIRST SKIP OF ORE WAS HOISTED LAST MONDAY MORNING.

Probably the Largest and Best Shaft in the Lake Superior Region; Practically Fire-Proof.

The first ore was hoisted through the new Ludington shaft of the Oliver Iron Mining company last Monday.

The work on the shaft was started on May 6th, 1903.

The work of sinking was completed early last December.

It is connected with the old workings at the tenth and fourteenth levels.

The total depth of the shaft is 1522 [sic – 1,522] feet.

The shaft is one of the largest in the Lake Superior region and is practically fire-proof. It is surmounted by a modern steel shaft-house, and the ore pockets of which there are four are built in a steel structure.

The shaft is a four-compartment affair. The inside measurements are ten feet four inches by twenty-three feet one inch. The two hoisting compartments are each five by eight feet, the cageway five feet by ten feet four inches and the pump compartment ten feet four inches by eleven feet one inch.

The shaft is lined with steel frames from the surface to bottom lathed outside with heavy planks that are “broken” at various points in order to avoid a continuous sheet of combustible material.

At this shaft has been re-erected the big Cornish pump, formerly stationed at Chapin D shaft, which was dismantled in 1899. The plant is one of the largest in the Lake Superior country. A good idea may be gained of the size of the pump when it is stated that the upper cylinder is fifty inches and the lower cylinder one hundred inches. The stroke is ten feet. The engines are connected directly with the pumping bob, which weighs fifty tons. The crank shaft is twenty-seven inches in diameter. The connecting rods fifteen inches in diameter at the center and eleven inches at the ends. The pump rods are of iron about seven inches in diameter and calculated for a depth of 1,500 feet. The plunger is twenty-eight inches in diameter. The capacity of the pump at normal speed is a fraction more [than] 319 gallons per stroke with ten strokes to the minute. The guaranteed

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capacity is 3,000 gallons per minute against a head of 1,500 feet.

The hoisting plant embraces everything that is new in line of machinery. It is built for a maximum depth of 3,000 feet and the load, including skip and ore, is fully ten tons.

The height of the smokestack, constructed of tile, is 135 feet above ground and the inside diameter is seventy-eight inches.

It is the intention of the management to hoist the greater portion of the product of the mine through this shaft. There is ample room in the vicinity for stock docks and the ground is of such a nature as to insure against caving, having been thoroughly tested before the work of sinking commenced.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 11 [Thursday, August 6, 1908], page 1, column 4

Big Cage.

The new shaft recently placed in commission here by the Oliver Iron Mining company is equipped with a double deck steel cage with accommodations for hoisting fifty-six men at each lift. It is probably the largest in the iron country.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 10 [Thursday, July 29, 1909], page 1, column 3

BIG WATER TOLL

TEN TONS FOR EACH TON ORE AT THE CHAPIN MINE.

Florence Mine Booked for a Record Production of Ore This Year – Boiler for Munro Mine.

It may surprise the lay readers of The Press to learn that for every ton of ore hoisted at the Chapin mine the pumps bring to the surface ten tons of water. That's some water, and represents an expense met with in few Lake Superior properties. Reduced to gallons the figures become startling. Figures prepared by Chief Engineer Richards show that the pumps – and the bailers at the Hamilton shaft – bring to the surface every minute 2,700 gallons, each hour 162,000 gallons, each day 3,888,000 gallons and each month 116,640,000 gallons. The figures become more startling when taken in comparison with the 700,000 gallons which the local water works plant pumps each twenty-four hours to supply the city, railroads and manufacturing concerns.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 11 [Thursday, August 5, 1909], page 1, column 3

NEARING COMPLETION.

Big Pumping Plant at New Ludington Shaft About Ready to Start.

It is expected to have the big Cornish pump at C Ludington shaft in complete operation in a few days now. The work of installation has been in progress for many months. The plant was formerly stationed

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[Compiled and Transcribed by William J. Cummings]

at D Chapin shaft, which was abandoned several years ago. While at D shaft the plant was never called upon for full duty. It has a capacity for handling 3,000 gallons of water per minute. At D shaft, where the lift was about 600 feet, four sets of pumps were operated. At C Ludington eight sets will be operated. These pumps are located about 190 feet apart except for the last which is 170 feet. Much has been printed about this plant, one of the largest in the Lake Superior country. It was built by the old Allis company and was dismantled in 1899 after having been in operation six or seven years. The work of re-erection was commenced a year ago last January. A good idea may be gained of the size of the plant when it is stated that the upper cylinder is fifty inches and the lower cylinder one hundred inches. The stroke is ten feet. The engines are [*sic – engine is*] connected directly with the pumping bob, which weighs fifty tons. The fly-wheel is forty feet in diameter and weighs fifteen hundred tons. The crank shaft is twenty-seven inches in diameter. The connecting rods fifteen inches in diameter at the center and eleven inches at the ends. The pump rods are of iron about seven inches in diameter and calculated for a depth of 1,500 feet. The plunger is twenty-eight inches in diameter.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 38 [Thursday, February 10, 1910], page 1, column 4

Pump Idle.

The immense Cornish pump at C Ludington shaft, which has been idle for several weeks pending repairs to the city sewer system, is again in operation. The big underground Reidler pump at the Hamilton shaft was operated while the

Cornish pump was idle. The Cornish pump is handling about 2,700 gallons of water each minute and is running as smoothly as a new sewing machine.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 43 [Thursday, March 17, 1910], page 1, column 4

Bought a Farm.

James King, who has been employed as a teamster at the Chapin mine for nearly twenty years, left last evening for Fond du Lac, Wis., near which city he has bought a farm. The farm purchased by Mr. King is six miles from the city and contains one hundred and sixty acres nearly all of which are under cultivation. Mrs. King and the children will join Mr. King at the farm in the course of a few weeks.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 46 [Thursday, April 7, 1910], page 1, column 6

Modern Dry House.

The Oliver Iron Mining company will soon commence the erection of a model sanitary dry-house. The building will be of stone and steel construction and will be erected in the vicinity of C Ludington shaft. The dimensions will be sixty-four by one hundred four feet on the ground plan. The dry will contain 660 steel lockers for the clothing of the men and it will be equipped with shower baths and enameled wash basins. The construction will be modern throughout and sanitary perfect. The cost of the structure is estimated at \$12,000.

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[Compiled and Transcribed by William J. Cummings]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 12 [Thursday, August 11, 1910], page 1, column 5

New Dry-House.

Work has commenced on the new sanitary dry-house for the Oliver Iron Mining company. It will be of stone and steel construction, making it fire-proof. The building will be 104 - 4 x 64-4 feet in size. It will contain 660 steel lockers for the clothing of the men and will be equipped with shower baths and enambed [*sic – enameled*] wash fixtures. The construction will be in accordance with the very latest ideas in dry-house erection and will be as near perfection from a sanitary standpoint as possible. The cost of the structure will be \$12,000. It is being erected near Ludington C shaft.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 16 [Thursday, September 8, 1910], page 8, column 6

The new dry-house at the Ludington shaft of the Oliver Iron Mining company is now enclosed. It is a substantial structure constructed of stone and steel.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 47 [Thursday, April 14, 1910], page 1, column 2

Suffocated to Death.

Albert Hunt, employed on the twelfth level of the Hamilton shaft of the Chapin mine, was the victim of a fatal accident last Friday forenoon. Hunt, with several other men, was engaged in removing some

timbers from a room when the ore rushed down. Hunt was caught under the loose ore and was suffocated to death before he could be rescued. The body was removed to [*the*] home of Mr. and Mrs. James Bennetts on West Brown street, where the young man resided. Hunt was about twenty years of age and came to Iron Mountain from England about nine months ago. He was of retired disposition, but had won many friends during his residence here. As near as can be learned he had no relatives in this county.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 2 [Thursday, June 2, 1910], page 1, column 4

Drill Operator Killed.

Eugene J. LaLone [*sic – LaLonde*], employed as a drill operator on the thirteenth level of B shaft, Chapin mine, was caught by a fall of ground last Tuesday afternoon and was suffocated to death before he could be extricated. LaLone [*sic – LaLonde*], with a number of helpers, was engaged in the work of removing a drill at the time of the accident preparatory to erecting some new timbers. The body was not badly bruised, but the right leg was broken below the knee. The young man was about twenty-seven years of age. He was unmarried and resided with his parents, Mr. and Mrs. Eugene LaLone [*sic – LaLonde*] on Blaine street. He was a young man of excellent character and had many friends. The funeral will be held tomorrow afternoon at two o'clock from the First M.E. church.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 18,

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[Compiled and Transcribed by William J. Cummings]

Number 19 [Thursday, September 25, 1913], page 1, column 2

PUMP IN OPERATION.

Last Saturday morning [September 20, 1913] the Oliver Iron Mining company received by express from the shops at West Allis a casting for the big Cornish pump at the new Ludington shaft that weighed over 2,400 pounds. It was much the largest "package" ever handled by a local express agent. The work of repairing the immense pump was finished Monday [September 22, 1913] and it is again in operation. During the time the pump was idle the inflow of water was handled through the Hamilton shaft by the Riedler pump and bailers.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 21 [Thursday, October 7, 1915], page 1, column 3

Around the Chapin.

At the Ludington shaft stock dock, the Oliver Iron Mining company has finished the work of loading the Chapin and Ajax grades of ore. The docks have been cleared for the first time in a number of years. Some of the Janus – a new grade – has also been shipped from stock. At the Hamilton shaft two electric pumps are now handling about 3,000 gallons of water each minute. The increase is due to the tapping of the vug on the new sixteenth level. The breast has been cut with eighteen drill holes and the water is being gradually withdrawn. The amount of water contained in the vug is very large. It is known that the vug is forty feet in height. The new pumps are handling the inflow easily with only half the plant in operation at one time.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 27 [Thursday, November 18, 1915], page 1, column 2

FATALITY AT THE CHAPIN.

Joseph Polkinghorne Suffocated To Death By Fall of Ore.

Joseph Polkinghorne was the victim of the first fatality to occur in the workings of the Oliver Iron Mining company in about eighteen months. The accident happened at about the noon hour last Thursday. Mr. Polkinghorne was employed as a miner at the Ludington shaft. At the time of the accident he was standing on the side of the ore in a chute. His partner was endeavoring to make the ore run down. When the ore started Polkinghorne was carried down with it and buried under the mass. Rescue work was started at once, but before he could be extricated he had suffocated to death. Mr. Polkinghorne is survived by a wife, two children, three brothers and one sister. He was about thirty-five years of age and was born in England, coming to Iron Mountain with his parents when he was five years of age. The funeral was held on Sunday from the First M.E. church and was largely attended. The Sons of St. George, of which Polkinghorne was a member, attended in a body. Mr. Polkinghorne was held in high esteem by a large circle of friends and his tragic death brought forth expressions of sympathy and commendations of his character. As a husband and father he was loving and devout. It is recalled that Mr. Polkinghorne's father was also killed in the Chapin mine about thirty years ago.

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[Compiled and Transcribed by William J. Cummings]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 1 [Thursday, May 18, 1916], page 8, columns 3-4

Fatality at the Chapin.

Andrew Hassell was instantly killed killed [sic] last Saturday night while engaged in drifting in the sixteenth level at the Chapin B shaft. Mr. Hassell and his partner, John Nelson[,] had just filled a bucket with ore when without warning a large chunk of ore fell down and struck Mr. Hassell on the back. Before he could be removed his body was nearly crushed with falling ore. After the body had been taken out, it was found that his chest was crushed, back badly bruised, left hip dislocated and right arm crushed above the waist. Mr. Hassell was fifty-two years of age and leaves a wife, one daughter, Miss Ellen, two sons, Conrad and Paul, two brothers, Olaf, of this city, and Charles[,] of Homestead, two sisters, Mrs. William Falk and Mrs. Charles Peterson, of this city, and two sisters in Sweden. He **[need to finish copying this article]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 28 [Thursday, November 23, 1916], page 1, column 6

Again Shipping.

The steam shovel is again busy at the Ludington shaft stock-pile [sic – stockpile] of the Oliver Iron Mining company. An order was received on Monday to ship an additional 25,000 tons of ore from stock and this work is now being rushed. Including the shipment now in hand the company has shipped to the Escanaba docks this season about 550,000 tons of ore. This is an

increase, in comparison with the season of 1915, of over 100,000 tons.

CUNDY MINE [Quinnesec]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 28 [Thursday, December 1, 1910], page 1, column 4

CUNDY MINE TO START?

There is a strong probability that the Cundy mine at Quinnesec will resume operations with a goodly force of men at an early date. While no definite conclusion has been reached, The Press can state that the matter of re-opening the mine is now under consideration, and it is fully anticipated that a favorable descision [sic – decision] will be reached. The property has been idle for eight or ten years. A resumption of operations means prosperity for Quinnesec.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 39 [Thursday, February 10, 1916], page 3, column 1

NEWS BRIEFLY TOLD

The Oliver Iron Mining company has sold to John E. Anderson, of Norway, the twenty odd cottages owned by the company at Quinnesec. The cottages were erected at an average cost of about \$700 each at the time the Cundy mine was being operated with a force of several hundred men, but have for the past ten or more years been unoccupied. The company has not renewed its lease of the mine fee. It is understood that Mr. Anderson will wreck the

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buildings and move the materials to Norway.

CURRY MINE [Norway]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 25 [Thursday, November 7, 1907], page 4, column 3

NEWS OF IRON MINES.

At the Curry mine of the Penn group, a new shaft is being sunk. A great deal of difficulty was experienced in getting it started because of quicksand. For a depth of from 40 to 40 feet the shaft has been sunk with a cross section about 15 feet square and the lining crossed braced. At the bottom of this, the sinking has been continued with a centrally located shaft, about 4 x 4 feet, which is now safely down to a considerable depth.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 11 [Thursday, July 27, 1916], page 5, column 3

VULCAN NEWS ITEMS

CAVE-IN AT THE CURRY.

Last Friday morning a cave-in at the Curry property of the Penn Iron Mining company at Vulcan, [sic] resulted in the death of three men and the entombing of another. The following account taken from the Norway Current tells the sad story:

“Three miners had been working on the top of a pillar at the sixteenth level, slicing; two men with a mule were working at the

seventeenth level, tramping. At about 10:30 last Thursday night, a disturbance occurred which closed the drift, through which the cars were being hauled through the pillar, catching the two cars and a trammer behind them, the driver and the mule escaped by a very close margin. In the meantime, the men near the top of the pillar at the sixteenth level were covered by a run of the filling from the rooms on either side. Immediate steps were taken to rescue the entombed men, if alive, or to recover their bodies, if dead. It was discovered that much work would be required to reach the places where they were supposed to be. At the seventeenth level, just one end of a car was visible, and that was crushed flat, precluding the possibility of the trammer being alive, and the first attention was paid to [the] top of the pillar at the sixteenth level, where the three miners were. After work had progressed somewhat, it was found that communication could be had, through a broken air-pipe [sic – air pipe], with one of the men, Joseph Bertie by name, who seemingly was not much injured. Work continued through the early morning and forenoon and at noon it was said, enough progress had been made to enable the rescuers to hear Bertie through the broken ground.

The names of the men are: Fred Vercauteren, the trammer, on the seventeenth level, and Joseph Bertie, Richard Hooper and Thomas Jones, on the sixteenth level, two of whom, Fred Vercauteren and Richard Hooper, are married.

The cause of the accident can be only a surmise. It is generally thought, however, that a piece of the pillar broke away, breaking the timber in one of the adjoining rooms, and causing the filling to run into some cavity be- [sic] below, caused by shrinkage of the filling. Whatever it may have been, the result is most disastrous,

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and has broken a long period of immunity from serious accident in the Curry property.

About six o'clock last Friday night the rescuers reached Joseph Bertie, who, barring extreme exhaustion, was found to be alright, and he was immediately brought to surface and cared for.

The bodies of Jones and Hooper were recovered at three o'clock on Saturday morning and that of Fred Vercauteren on Sunday evening.

EAST VULCAN MINE [Vulcan]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 30 [Thursday, December 7, 1916], page 3, column 1

NORWAY NEWS NUGGETS

Louis Chesa [*sic* – *Chiesa*] was found dead at the bottom of the shaft at the East Vulcan mine of the Penn Iron Mining company last Wednesday. Chesa [*sic* – *Chiesa*] was employed as cage conductor. How the accident resulting in his death happened cannot be explained, as there were no witnesses. He must have fallen a considerable distance, as the body was badly crushed. Chesa [*sic* – *Chiesa*] was twenty-two years of age. The remains were taken to the home of his father, the only relative in this section. Coroner Cudlip was called, but he did not consider it necessary to hold an inquest.

EXPLORATION – EAST OF VULCAN

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12,

Number 15 [Thursday, August 29, 1907], page 1, column 6

Deal Pending.

Capt. John T. Spencer, who has been exploring east of Vulcan during the past two years, has interested a number of leading mining men, including O.C. Davidson, in the property. It is understood that extensive development work will commence in the near future. Capt. Spencer has proved up a large body of very good ore. It is pronounced by prominent mining men to be one of the best properties on the range. It is expected that within the next ten days a mining company will be organized to take over the property.

EXPLORATION – JACKSON FARM, PINE CREEK

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 27 [Thursday, November 18, 1915], page 1, column 6

New Exploration.

In the vicinity of the Jackson farm, in the Pine Creek district, a number of business men [*sic* – *businessmen*] are now engaged in exploring for iron ore. A number of test pits have been sunk and we have been informed that the results secured thus far are decidedly encouraging. The promoters may decide to do some shaft sinking or employ a drill. The fee of the property is owned by the Hamilton-Merryman company.

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EXPLORATION – McKENNA FARM, QUINNESEC

Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 21,
Number 38 [Thursday, February 1,
1917], page 1, column 6

Drilling at Quinnesec.

The diamond drill of the St. Clair Exploration company is still at work on the McKenna Farm at Quinnesec. Five holes have been bored and several of them have reached a depth of seven hundred feet. The work is being done by the McKenna heirs associated with a number of New York City capitalists. While The Press has no detailed information in the premises, it is understood that merchantable ore was cut in all the holes. The holes are very close together, which would indicate a desire to prove the extent of the body as well as the quality of the ore.

Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 21,
Number 39 [Thursday, February 8,
1917], page 1, column 5

Explore Dickey Farm.

The Press has seen a letter from a Grand Rapids capitalist which contains the information that the Dickey farm is to be explored with a diamond drill this season. The farm is in the northern part of the city to the east of Lake Antoine and south of the workings of the Antoine Ore company. The property is owned by Capt. James Dickey, who recently returned to the city from New Mexico. About a dozen or more years ago he optioned the farm to Grand Rapids and

Marquette people, who organized the Dickey Mining company. The company has not attempted any exploratory work heretofore, but when Capt. Dickey sought to regain control he was informed of the intention of the concern. It has been the contention of a number of experts that the farm was in the ore zone, but it was believed that the deposit was many hundred feet under the surface. Others have maintained that the overburden was a shallow one. No exploratory work was ever done on the farm.

EXPLORATION – WEST OF ANTOINE ORE COMPANY PROPERTY

Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 13,
Number 3 [Thursday, June 11, 1908],
page 1, column 4

Struck Ore.

Capt. John T. Spencer struck ore on [*sic* – *of*] a goodly quality at his exploration west and abutting the property of the Antoine Ore company. A shaft had been such to depth of seventy feet and at the bottom of [*sic*] a sandpipe [*sic* – *standpipe*] was driven fifteen feet. A charge was exploded and a good quality of ore was uncovered. Capt. Spencer is enthusiastic over the results secured.

EXPLORATION – SPENCER EXPLORATION, NORWAY TOWNSHIP

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[Compiled and Transcribed by William J. Cummings]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 24 [Thursday, October 31, 1907], page 1, column 4

BOUGHT BY OLIVER CO.

Big Company Closes Deal for Spencer Exploration in Norway Tp.

Capt. John T. Spencer has sold his several explorations in the township of Norway to the Oliver Iron Mining company.

The property is located in Sections 14 and 15, 39-29, and contains 240 acres. The fee of the property is owned by the Menominee River Lumber Co., and the lands adjoin those of the Penn Iron Mining company, being particularly well located.

Capt. Spencer has been engaged in exploring the lands during the past two years, sinking and crosscutting, and the fact that the Oliver company decided to purchase his *[need to copy the remainder of this article]*

FOREST MINE [near Quinnesec]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 21 [Thursday, October 7, 1915], page 1, column 6

Operate Logging Camp.

The Oliver Iron Mining company is planning to operate a large logging camp this season in the vicinity of the Forest mine, in the Lake Fume [*sic – Fumee*] district. The company owns a tract of timber estimated to contain about

3,000,000 feet of mixed timber in that vicinity. The company cut considerable timber in the district several years ago. If a camp is started, it will employ between fifty and sixty men and the timber will be banked on the railroad near the pumping station of the Water company, and will be employed in mine work here.

GROVELAND MINE [Randville]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 11, Number 34 [Thursday, January 10, 1907], page 1, column 5

GROVELAND TO RESUME

Old-Timer Has Been Sold to the Huron Mining Company.

It is understood that the Groveland mine in Felch township has again changed hands and is to be operated. The deal for the old property was negotiated by G.W. Youngs, of Iron River, and the purchasers of the lease are J.H. Bartow and associates of Cleveland. Bartow and his associates recently organized the Huron Mining company which, several months ago, acquired title to the Youngs property in the Iron River district.

The Groveland mine has had a verigated [*sic – variegated*] career. It was opened by Henry Fisk and associates in 1890 and was thought to be a bonanza. It was sold to the Groveland Mining company, in which the Rands, of drill fame, were the chief factors, and John H. Karkeet, of this city, was in charge of mining operations.

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[Compiled and Transcribed by William J. Cummings]

The Groveland made its first shipment of ore in 1891 – 1,049 tons. The deposit not proving up as anticipated, it was closed down, and it remained idle until 1901, when the lease was sold to Corrigan, McKinney & Co. A total of 11,444 tons of ore was shipped that season, nearly all from the stock-pile [*sic – stockpile*]. Corrigan, McKinney & Co. continued to operate the mine in a small way until 1904, when it was again abandoned to the fee owners and much of the machinery removed. The mine has a total output to its credit of 26,123 tons. The ore is of a lean grade and very deceptive in appearance. It is connected with the St. Paul road by a spur track about four miles in length. The original Groveland mine tract consists of three forties, two of which are owned by the Keweenaw association and the third by the Beaver Iron company.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 2 [Thursday, May 30, 1907], page 1, column 3

Groveland Mine.

Mining operations have been resumed at the Groveland mine with a force of about fifty men. The property has been idle for several years, but a considerable shipment of ore will be made this season, it is expected. The last shipment was made in 1904, when the property was operated by Corrigan, McKinney & Co., who abandoned it. The lease is now held by several of the official [*sic – officials*] of the Huron Mining company.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 31 [Thursday, December 19, 1907], page 1, column 2

Much New Work.

The Groveland Mining company, H.M. Lawry, superintendent, has in hand much new development work at its property near Randville. Work has commenced on the new shaft, brief mention of which has been made in The Press. The shaft will be a two compartment affair and will be sunk to a depth of 300 feet. It will be known as No. 2 and is located about 150 feet east [*of*] No. 1. No. 1 has reached a depth of 300 feet and is in good ore. It is proposed to drift from No. 1 on the three levels and raise to meet the new workings. An order has been placed for a modern fifteen drill compressor and it will soon be in position. There are twenty-five men on the pay-roll [*sic – payroll*] and this number will be increased to forty early in the new year. The enlargement of the Groveland would indicate that the management is confident of the permancy [*sic – permanency*] of the property and anticipated making a much larger output another season.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 31 [Thursday, December 19, 1907], page 6, column 6

RANDVILLE REPORTS.

Samuel Trudgeon, a miner employed at the Groveland mine, met a peculiar accident last Monday. He was sitting near a box of exploding caps testing a piece of fuse and dripped the lighted fuse into the box of caps, which exploded. The fragments struck Trudgeon in the face destroying the sight of his right eye and inflicting many cuts. Trudgeon was taken to Dr. Elwood at Menominee for treatment.

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[Compiled and Transcribed by William J. Cummings]

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 12,
Number 49 [Thursday, April 23, 1908],
page 1, column 4*

Groveland Mine.

Work on the new shaft is progressing rapidly at the Groveland mine. It will be known as No. 2. It will be connected with No. 1 with crosscuts 168 feet in length on the second and third levels. Supt. Lawry tells The Press that some excellent ore is being encountered in the work – a better grade that was found in the old workings. The mine is employing twenty-five men and will make a considerable shipment of ore this season.

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 12,
Number 10 [Thursday, July 30, 1908],
page 1, column 2*

Shaft Finished.

The work of sinking the second shaft at the Groveland mine was finished last week, so we are informed by Supt. Lawry, who was in the city last Friday. The shaft is two hundred feet deep and is connected with No. 1 on the second and third levels. The inside measurements of the shaft is [sic – are] six by ten feet. The first shipment of ore to the Escanaba docks was made last Monday. The Groveland is now owned by the Huron Iron Mining company, John Mitchell, president.

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 14,
Number 38 [Thursday, February 10,
1910], page 1, column 1*

RANDVILLE MINES

GROVELAND COMPANY IS RECEIVING NEW MUCH [sic] MACHINERY.

Exploratory Work of the Breitung Interests Will Lead to the Opening of Another Mine.

The Groveland Mining company, under the superintendency of Capt. Henry Lawry, is preparing to install much new machinery at its property near Randville.

Orders have recently been placed for a Chicago pneumatic compressor with a capacity for operating twenty-five; also for a three-ton skip, which will be manufactured by a Marquette company.

As was related in The Press recently, the Groveland company has succeeded in proving up a very large body of a bessemer [sic – Bessemer] grade of ore. With a diamond drill operated in the bottom level, the existence of an ore body over eighty feet in width was established. Drilling is now being done to prove the depth of the body.

For many years expert mining men have held closely to the opinion that the ore body at the Groveland was a shallow one and confined in a small basin. Prof. Pompelly and Prof. Van Helse held a contrary opinion – contending that a large body of ore would be found at a greater depth, and that the ore would be of a better grade. Determined to prove the latter opinion, the company, at the earnest solicitation of Capt. Henry Lawry, who has been connected with the property for more than twenty years, decided to drill the bottom level with the

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[Compiled and Transcribed by William J. Cummings]

result recorded. Having established the existence of a large body of ore, the company will at once equip the property with the machinery necessary to mine the ore on a larger scale. It will not be possible, however, to open up the mine for this increased production this season, but in 1911 the Groveland will be in shape to ship several hundred thousand tons. The company owns two hundred and forty acres.

Adjoining the Groveland property on the west E.N. Breitung, of Marquette, owns the fee of four forties and is now engaged in exploring the lands. A number of years ago considerable work was done on a forty adjoining the Groveland and the property was given the name of Elba. This work resulted in exposing a considerable body of ore near the surface. The Breitung people are now engaged in exploring the forty with a diamond drill. The ore found in the test-pits [*sic – test pits*] was crosscut with a drill and found to be a large body. It will now be drilled for depth. The ore, we understand, is of an excellent quality, similar to the Groveland, and it can be safely predicted that the work will result in the opening of another mine in that district. The other Breitung forties are also being explored.

The Beaver Iron company, in which A.C. Cook [*parts missing here*] Mountain.. Marsch recently became largely interested, also own eight forties on the same formation. This company, however, does not plan to do any exploratory work.

Prof. Pompelly, the famous mineralogist, is also interested in the district, and he has always insisted that excellent mines would be developed in the territory.

To the south and west John T. Jones has a very large territory under control. Some considerable work has been done in the way of test-pitting with results entirely satisfactory to the holder. George A. St.

Clair holds a large body of lands to the east and north.

It is evident that the Randville district has [*a*] most promising future.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 46 [Thursday, April 7, 1910], page 5, column 3

FACTS FROM FELCH.

The Groveland mine contemplates the erection in the near future of two boarding houses to accommodate twenty men each; also eight dwellings for their men.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 35 [Thursday, January 19, 1911], page 1, column 6

New Post-Office.

The postal authorities have decided to establish a post-office [*sic – post office*] at Groveland for the accommodation of the men employed at the mine. The office will be named Youngs in honor of George W. Youngs, of Iron River, general manager of the Groveland Mining company. An examination for postmaster will be held by the civil service commission at Randville on Saturday, February 4th.

HAMILTON MINE [Iron Mountain]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 13 [Thursday, August 12, 1915], page 1, column 6

Clearing Stock Docks.

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[Compiled and Transcribed by William J. Cummings]

In addition to forwarding the daily production to the Escanaba docks, the Oliver Iron Mining company is making large shipments from the stock docks at the Hamilton shaft. One shovel is employed daily and occasionally a second one. The company hopes to send the last of the Chapin grade ore to the docks within the next ten days. Large shipments of Ajax grade are also being made and this dock will be cleared before many more weeks. The movement of ore from the range is very encouraging and many stock-piles [sic – stockpiles] will be cleaned up for the first time in many years. The shipping of the stock-piles [sic – stockpiles] is assurance that the properties will continue active.

HECLA MINE [Felch Mountain Range]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 29 [Thursday, December 9, 1909], page 5, column 4

FACTS FROM FELCH.

The Old Hecla shaft, adjoining the Calumet on the east, is to be pumped out and sunk an additional hundred feet. The Hecla property is included in the Calumet lease and will be operated jointly with the Calumet.

INDIANA MINE [near Quinnesec]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 15 [Thursday, September 1, 1910], page 8, column 6

Indiana Exploration.

Capt. John T. Spencer is meeting with encouraging conditions at his exploration on the old Indiana property at the west end of Lake Fume [sic – Fumee]. The shaft has been sunk to a depth of eighty feet and is located within a few feet of the highway. Considerable ore has been cut in sinking and some of the ore is of excellent grade. The old Indiana mine, one of the first opened on the range, was a producer of high grade ore, but the lense was not a very large one. Experts have contended that there were other and larger deposits of good ore in the territory, but persistent exploratory work in the past has failed to establish the fact.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 19, Number 41 [Thursday, February 25, 1915], page 1, column 6

Indiana Mine.

Conditions are normal once more at the Indiana mine, where there was a heavy fall of ground recently. The inflow of water has decreased and is now about seven hundred gallons per minute, which the pumps can handle nicely. The fall extended to the surface and the lower level was badly messed with the down-run of clay and sand. At the surface there is a hole fully fifty feet in extent. This clay and sand has now been cleaned out of the workings and mining has been resumed. That the fall was not attended by an accident is due to the constant watchfulness of Supt. Richards, who has been conservative to a degree in re-opening the old property. It is understood that the shipping of ore to the

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company furnaces in Milwaukee will commence at an early date.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 19, Number 45 [Thursday, March 25, 1915], page 1, column 6

Indiana Shipping.

The Indiana mine is the first mine in the district to commence shipping ore. Loading was commenced last Monday. The daily output, about 125 tons, is being shipped to the Thomas Furnace company at Milwaukee, operators of the property. Supt. Richards recently increased his force to sixty men. The new compressor is in operation and giving good satisfaction. The inflow of water has increased somewhat and is now estimated at about 700 gallons the [per] minute.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 19, Number 49 [Thursday, April 22, 1915], page 1, column 6

Indiana to Strip.

Supt. Richards informed The Press this morning that the Thomas Furnace company would let an extensive stripping contract at the Indiana mine at an early date. The work is now being estimated. The territory to be stripped is west of the mine proper and the contract to be awarded is about 200x300 feet in extent. The earth overburden runs from eight to fifteen feet in depth. It is a steam shovel proposition and the work will employ a goodly force of men. The Indiana mine is now employing about sixty-five men and the daily output is shipped by rail to the furnaces at Milwaukee.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 19, Number 51 [Thursday, May 6, 1915], page 1, column 6

Indiana Mine.

It is anticipated by Supt. Richards, [sic] that the stripping contract at the Indiana mine will be let in the near future. A number of contractors are figuring on the proposition and all the tenders will be in hand in a few days. The daily output is being shipped to the Escanaba docks. The working force now numbers about seventy men and will be increased when the stripping contract is let.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 30 [Thursday, December 9, 1915], page 1, column 3

WORK AT INDIANA

COMPANY VOTES TO ENLARGE THE WORKINGS AND PLANT.

Plans Include a Modern New Shaft, Large Open Pit, Electric Equip- ment and Large Crusher.

Recent tests of Indiana mine ore at the Milwaukee furnaces of the Thomas company have proven so satisfactory that it has been decided by the management to enlarge the workings at the property.

This good news is authorized by Supt. Richards, who has just returned from

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Milwaukee, where he attended a meeting of the company.

Orders were immediately issued to suspend the mining of ore and all hands are now engaged in the new development work.

The new work authorized by the company includes the sinking of a new shaft, a 50,000-yard stripping contract, the erection of a new crusher and the installation of an electrical operating plant to include pumps.

The new shaft will contain four or five compartments and it will be located about 200 feet west of the old shaft. The plans are now being perfected. It will include a steel headframe.

The crusher plant will be located at this shaft. A No. 8 Gates crusher will be the machine selected, in the opinion of Supt. Richard [*sic* – Richards]. Such a crusher would have capacity of one hundred tons an hour.

Tenders will be invited for the stripping contract at an early day. It will call for the removal of 50,000 square yards of earth. The overburden at the point where the pit will be open has a depth of from six to twenty feet and is [*a*] steam shovel job.

The Thomas company is now negotiating with the Peninsular company for electrical power. The electrical pump at the new shaft will have sufficient capacity to handle several thousand gallons of water a minute.

A force of about thirty-five men are [*sic* – *is*] now engaged in drilling north from the present workings to a point where the new shaft will be located. This drift has an average depth from surface of eighty-five feet. It is planned to sink and raise the shaft when the site is located.

When the development work is brought to a production stage, the Indiana mine will be able to produce several hundred thousand tons of ore. This means steady

employment for several hundred men. Not only this, but, in our opinion, the success of the Indiana mine means the development of other properties to the north and east of the city. The outlook is favorable for considerable exploratory work in the Iron Mountain district. The Newport company is not busy north of Quinnesec and The Press has been assured that other companies will soon enter the field.

It is safe to predict that considerable new development work will be done at the workings of the Antoine Ore company in the near future preparatory to a larger output the coming year. General Manager Webb, of the Republic Iron & Steel company, operators of the property, is expected in the city in a few days and it is anticipated that the necessary orders will be issued to Supt. Carbis at that time.

The outlook for 1916 is very bright.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 18 [Thursday, September 14, 1916], page 1, column 6

Indiana Mine School.

The contract for the new school building at the Indiana mine was let to Adolph Wallin at a meeting of the Breitung township board of education held last Tuesday. Mr. Wallin's tender was \$1,871. Tenders were submitted by A.C. Garland, Jenkins Brothers and Charles Champion, of this city, P.A. Bostrom, of Norway, and A.W. Wilson, of Niagara. Between the tender of Wallin and Champion there was only a difference of \$2.75. The bids did not include the masonry work. The building will be provided with the Smith system of heating and ventilation and the Keurstine toilet equipment. The successful contractor

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has promised to commence the work at once.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 20 [Thursday, September 28, 1916], page 6, column 5

NEWS BRIEFLY TOLD

The new school-house [*sic* – *schoolhouse*] at the Indiana mine will be completed by Dec. 1st. The school-room proper will be 24x31 feet. The work room will be used for domestic science and manuel [*sic* – *manual*] training. The building will be one of the best in the county. Plans for the same were drawn by Architect Fred Parmelee.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, columns 1-2

Much Stripping Done.

During the past season a new record has been established in stripping ore deposits in the Iron Mountain district. At the workings of the Antoine Ore company, John Marsch has about concluded a contract for the removal of 100,000 cubic yards of earth. This work was started in August and will be finished in a short time. The excavation extends from the old workings to the old Cornell pit, within a short distance of Lake Antoine. The Traders pit is now the largest in the upper peninsula, we believe. Considerable development work will be done at the property during the winter months. At the Indiana mine, the Marsch people removed 60,000 cubic yards of over-burden. The Indiana Mining company is now mining and shipping the ore. At [*sic*]

the Munro mine of the Munro Mining company is now engaged in stripping a considerable territory, but no figures are obtainable as to the total. The Hoose & Person Construction company has the contract.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 43 [Thursday, March 8, 1917], page 1, column 2

P.O. at Indiana Mine.

Negotiations that have been pending for some time past looking to the establishment of a post-office [*sic* – *post office*] at [*the*] Indiana mine or a rural route from this city or Quinnesec that would supply that location with needed mail facilities, [*sic*] has at last come to a point where the post-office [*sic* – *post office*] is advertising for a postmaster for Richardsburg, (Indiana Mine,) Mich., the proposed post-office [*sic* – *post office*] to be named after Capt. G.A. Richards, superintendent of the Indiana mine. Applications must be mailed to A.A. Wicht, post-office [*sic* – *post office*] inspector at Escanaba, and must be in his hands by next Thursday, March 15th.

LORETTO MINE [Loretto]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 22 [Thursday, October 17, 1907], page 1, column 5

MINE HAS CLOSED

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CONTRACT LET FOR NEW CHANNEL FOR RIVER AT LORETTO.

Expected that the Work will Com- mence at Once – In the Mean- time No Ore Will be Mined.

The contract for excavating a new channel for the Sturgeon river was let last Friday at the Chicago office of the Loretto Iron company, and it is expected that the work will start in a short time.

J. Ward Amberg, general manager of the Loretto Iron company, left Chicago last Friday night for Boston to consult with the Keweenaw association, owners of the lands through which it is proposed to excavate the new channel, and is expected at the mine in a few days.

In anticipation of the immediate commencement of the job, all work at the mine came to a standstill last Saturday.

In an interview with The Press last Monday, Harold V. Hayes, the local representative of the company, stated the suspending of mining operations did not mean idleness for the entire force of two hundred men the company has been employing. About seventy men will be retained on the pay roll [*sic – payroll*] in opening up new levels and raises and in such other development work as would be made necessary by the excavating of the new channel, which will permit of the working of new deposits of ore. As fast as this work progressed other men would be taken on. This work, together with the needs of the concern having the excavating contract, would furnish steady employment until mining was resumed for a much larger force than the company had on its pay-rolls [*sic – payrolls*] at present.

The Loretto mine is bounded on the east by the Sturgeon river and on the south and west by the Pine river with a small stream known as Black creek to the north. The mine, it will be seen, is almost surrounded by water. The easterly drifts are now under the bed of the Sturgeon river at a depth of about three hundred feet. The ground between the river and the upper level is nearly all ore of a good quality and a large body of ore is known to exist on the east side of the river in the direction of the Eleanor mine upon which the Loretto company now has a lease. The Keweenaw association owns the land to the north and west.

The new channel for the Sturgeon river starts at a point almost due north from the mine, about a quarter of a mile distant. It will take a southwesterly course to the Pine river, crossing Black creek, which it will also drain. Dams will have to be constructed at the starting point in the Sturgeon and also at the creek.

The total distance to be excavated is about half a mile. At the point of starting the ground is low and marshy, but as Pine river is approached a large "hog-back" is encountered. At this point, extending nearly to the creek, the excavating will be very deep – nearly, if not quite, fifty feet. The soil for the greater portion of the distance, [*sic*] can be handled with steam shovels, but in some places it is rocky.

The work is the greatest of the kind ever undertaken in the upper peninsula, and it will not be completed for many months – perhaps a year. It will cost a large sum of money, but when completed it will release a large body of high-grade ore and at the same time avoid all danger of such a disaster as that at the Mansfield mine, where the river rushed into the workings without a moment's warning and caused a heavy loss of life.

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As the work of excavating the new channel progresses, the company will develop and open up its ore deposits so as to be in position to resume mining operations upon a larger scale than ever before in the history of the property.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 22 [Thursday, October 17, 1907], page 8, column 3

A few miners are at work above the cave doing some necessary work. While there is practically no danger of the river breaking through into the workings of the mine, the management will take no chances.

The work of digging a new channel for the river will commence at once.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 23 [Thursday, October 24, 1907], page 1, column 5

SETTLING OF GROUND

Accident at the Loretto Mine Causes Suspension of Work.

The settling of ground at the Loretto mine was attended by no serious results and was not unexpected, work having been suspended sometime prior to the accident.

Two rooms and two pillars, ninety feet on the vein and four hundred feet in depth, settled down. The settled ground, *[sic]* extends from about forty feet below the second level to the sixth level. The rooms at the sixth level had been filled with cordwood and some rock and the weight of the pillars crushed this filling, permitting the ground to come down.

The accident, if it can be called such, was fully anticipated, and there were no men at work in this part of the mine. The loss from a financial stand point *[sic – standpoint]* is nothing.

The caved ground is nearly under (a little to the west to be exact) the Sturgeon river. There are two hundred and eighty feet of ground – supposed to be all ore – between the river bed and the top of the caved ground. It is the intention of the management to keep all men out of the lower levels for sometime *[sic – some time]*.

CONTRACT SIGNED

JOHN MARSCH WILL DIG THE NEW CHANNEL FOR STURGEON.

Nearly Half a Million Cubic Yards of Excavating – Will Employ Two Shovels and Fifty Teams.

At Loretto, last Monday, the contract for excavating the new channel for the Sturgeon river was signed on the part of the Loretto Iron company by J. Ward Amberg, general manager, and John Marsch, the well-known contractor of this city.

Mr. Marsch, in an interview with a representative of The Press, started that he would commence the work as soon as he could organize his forces.

The contract calls for the completion of the new channel by the first of next August. Mr. Marsch will employ two large steam shovels, fifty teams of horses and several hundred men in the work.

The new channel will be nearly a mile in length instead of one half mile, as stated in the last issue of The Press, the route having been changed materially. The specifications call for channel forty-five feet

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in width at the bottom and nearly two hundred feet in width at the surface, or “wash,” of the stream, with an average depth of over ten feet.

Contractor Marsch estimates that he will be required to remove over 450,000 cubic yards of earth and considerable rock. The overburden [*sic* – *overburden*] runs from ten feet to nearly sixty feet.

When the work is completed the Loretto company will undoubtedly adopt the caving system of mining. The changing of the channel of the Sturgeon river will release a large body of excellent ore. This deposit has already been proven up and the company will now open up the territory for extensive mining operations. The matter of a new shaft is being considered, but no definite plans have been decided upon. It will go down east of the present mining shaft.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 38 [Thursday, February 9, 1908], page 1, column 4

ORDERED MINE CLOSED.

Inspector Trestrail Considers Loretto too Dangerous to Operate.

Mining operations have been entirely suspended at the Loretto mine until the new channel for the Sturgeon river now under construction, [*sic*] has been completed.

The order was issued by Mine Inspector Trestrail last Tuesday after he had made an extended trip underground.

Inspector Trestrail reported conditions as he found them and ordered the immediate suspension of work. His orders were promptly and cheerfully complied with

by the management and the men were ordered to the surface. The workings will be permitted to fill with water.

Inspector Trestrail informs The Press that directly under the present channel of the Sturgeon river the mine has caved from the sixth to the second level.

The distance from the second level to the surface is about 120 feet. This ground has never been tested and the nature of the material is unknown. This being the case, a sudden inrush of the river was liable to happen at any time. Such a disaster did happen at the Mansfield mine, and Inspector Trestrail did not propose to take any chance of a similar catastrophe [*sic* – *catastrophe*] occurring within his jurisdiction.

It can be said that his order was cheerfully complied with with commendable promptness by the management of the Loretto Iron company.

As a result of the shutdown one hundred men were made idle, but the Loretto company has made arrangements with Contractor Marsch to furnish employment for all until mining operations are resumed.

Work is being rushed on the new channel for the river, the weather having been very favorable, and it will be finished much sooner than expected.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 39 [Thursday, February 13, 1908], page 1, column 5

Loretto Mine.

The Press was laboring under misunderstanding last week when it stated that the Loretto mine had been closed by order of Mine Inspector Trestrail. The mine was closed by Supt. Baxter on the 10th. Inspector Trestrail was informed of the fact

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and he visited the property the following day and fully endorsed the action of the management. The mine is “making water” at the rate of a million gallons per twenty-four hours – the normal flow. It will be permitted to fill to the sixth level. When that highth [*sic – height*] is reached bailers will be employed to keep the water down. The water is now at the eighth level. The normal inflow is about 450 gallons per minute.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 41 [Thursday, February 27, 1908], page 1, column 5

Loretto and Appleton.

On the fourth page we print an excellent picture of the shaft buildings at the Loretto and Appleton mines. Mining operations have been suspended at both properties until a new channel has been cut for the Sturgeon river. This work has been in hand for several months, John Marsch having the contract. Two steam shovels, seventy men, four teams and four dinky engines are at work.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 49 [Thursday, April 23, 1908], page 1, column 2

New Sturgeon Channel.

Contractor Marsch will finish the work of excavating the new channel for the Sturgeon river at the Loretto mine, it is now expected, about the first of July. This is a month sooner than the time named in the contract. Because of the mild winter and the unusually light fall of snow it has been possible to finish the work much sooner

than expected. When the work is completed the Loretto company will inaugurate extensive development work. It is expected to sink a new shaft. It is probable that the caving system of mining will be adopted.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 4 [Thursday, June 18, 1908], page 1, column 6

Nearing Completion.

The first cut for the new channel for the Sturgeon river, which Contractor Marsch is excavating for the Loretto Iron company, was finished yesterday morning. Mr. Marsch expects to finish the work in about two weeks. The day the water is turned into the new channel the Loretto people will have a celebration to commemorate the event. It is proposd [*sic – proposed*] to invite citizens from all the county towns.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 5 [Thursday, June 25, 1908], page 1, column 6

WORK IS DELAYED.

Unexpected Difficulties Cause Trouble at New Sturgeon Channel.

The water will not be turned into the new Sturgeon river channel at the Loretto mine as soon [*as*] was anticipated. The delay is due to an accident to one of the steam shovels and the encountering of considerable more rock work than was expected. Supt. Baxter, of the Loretto Iron company, now fixes the date for the completion of the work at July 15th. Plans

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are being made for a resumption of mining operations. It is expected that it will take fully ten days to free the lower workings from water. Some mining is now being done on the upper levels, and the company is employing about seventy men underground and on the surface.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 8 [Thursday, July 16, 1908], page 1, column 6

Sturgeon Channel.

It is now expected that the water will be turned into the new channel of the Sturgeon river at the Loretto mine next Sunday or Monday. No more definite time can be named by Supt. Baxter. This will be strictly an informal opening of the channel. A more formal opening may be arranged later. No doubt the event will be witnessed by a large crowd.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 9 [Thursday, July 23, 1908], page 1, columns 1-2

RIVER IS DIVERTED

WATER TURNED INTO NEW CHANNEL OF STURGEON RIVER.

In Presence of Many Visitors Tuesday Afternoon – Mr. Marsch is a Most Bountiful Host.

A notable event in the history of the Menominee range was the turning of the water of the Sturgeon river into a new

channel at the Loretto mine last Tuesday afternoon.

The event was witnessed by a large crowd of spectators, nearly a hundred of Iron Mountain's leading citizens attending as the guests of John Marsch, the contractor. Mr. Marsch furnished his guests with a special train over the Wisconsin & Michigan railroad and also provided a most sumptuous lunch. Castel's band accompanied the excursion.

The work of constructing a new channel was undertaken by the Loretto Iron company of which J. Ward Amberg, of Chicago, is the general manager and Charles H. Baxter the superintendent. The expense of the undertaking will exceed \$100,000.

The contract for the work was let to John Marsch, the well-known contractor, and actual excavating was commenced on the 25th of that month [October, 1907]. The lower part of the channel, from Pine creek to the Sturgeon river, was first undertaken. A ditch parallel to the course of the channel was dug for laying the tracks on which the waste earth from the excavation was hauled away. The equipment for hauling the dirt consisted of narrow gauge [*sic* – gauge] 4 yard cars with dinky engines. The ditch was cut to a depth sufficient to enable the steam shovel working in the channel to dig to grade on the first cut and also load onto the cars alongside. The height in which this is possible was about ten feet from the grade to the rail of the dump truck.

The steam shovel started Dec. 8th and put the channel through in two cuts taking out 44,000 yards and finishing Feb. 1st. The shovel was of the 70-ton type with a 2 ½ -yard dipper and the work was through frozen ground.

The excavated material was wasted until the work had progressed sufficiently to begin the dam across Pine Creek when the earth was used for that purpose.

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The cutting of the long channel was begun immediately after with two shovels, working from both ends. The earth from this end was used to fill up the old bed of Pine Creek, back of the dam, and a large portion of the balance of the material has been dumped into the cave near the Loretto shaft.

Earth from the up stream [*sic* – *upstream*] end of this portion was used to build the main dam, a heavy clay which had been encountered being especially suitable for that purpose.

The dam was built through a trestle which was thrown across the Sturgeon river. The piling was driven into the bed of the river about ten feet. The dump trains run [*sic* – *ran*] over the trestle and built the dam out from both sides toward the middle of the river.

The diverting plan involved the cutting of a channel 5,440 feet long and the excavation of 260,000 cubic yards, part of the material being limestone rock. The width of the channel is 45 feet on the grade line and the slope of its sides will be 1 to 1 through the earth and $\frac{1}{4}$ to 1 through rock. The work divided itself naturally into two cuts.

The work makes possible the mining of large bodies of ore without danger of the mine being flooded. The Loretto can now be connected with the Appleton, which was acquired by the company several years ago, and from which it was separated by the river.

The Loretto is known to contain large bodies of high grade ore and it will now be developed into one of the largest mines on the range. The work of unwatering the lower levels which were permitted to fill during the time the new channel was being excavated, [*sic*] will now be prosecuted vigorously, and as soon as market conditions warrant not only will all the old

miners be re-employed, but there will be work for many additional men.

Following is a list of Mr. Marsch's guests at the celebration:

Iron Mountain – W.H. Miller, R.T. Miller, W.H. Hurley, E.G. Kingsford, James Bemis, J.M. Garvey, N. Nelson, Abe Luke, Fritz Anderson, A.F. Wright, Henry Levy, O.S. Hopkins, Ben Seaman, Z.P. Rousselle, Silas J. McGregor, Alfred Cruse, John A. Ryan, G.F. Gensch, A.E. Brauns, Dr. Cameron, R.C. Browning, Dr. Bangs, George F. Seibert, Peter Calvi, F.E. Parmelee, Frank Franck, L.T. Sterling, Capt. Goldsworthy, George Corning, Chas. E. Parent, L.J. Will, Martin King, John Bond, J.R. Holfeltz, H.G. Neuens, Sam Cudlip, Dr. Crowell, W.J. Cudlip, Mitchell Dykes, John T. Jones, E.A. Croll, Henry Koekpke, John Marsch, Dr. S.E. Cruse, Arthur Uddenberg, Dr. Newkirk, J.H. Karkeet, Thomas Harper, Capt. J.H. Cundy, J. Quist, Ed. Parmelee, G.F. Plowman, Dan Justice, Monroe Unger, Ike Unger, Sam Seaman, J.C. Eslick, Max Kurz, R.S. Powell, J.B. Eslick, Abe Sackim, L.M. Hanson [*sic* – *Hansen*], Oliver Evans, W.G. Monroe, Claude Milliman, John B. Calvi, Harry Soady, John Russell, T.H. Barren, H.M. Pelham, John Goldsworthy, Dr. Carpenter, Jos. Tirschell, Warren Flanagan, Tom A. Hanna, J.F. Cowling, A.J. Rundle, Martin Hartwig, A.D. Stiles, Wm. Trestrail, W.G. Sundstrom, John James, J.H. Sandercock, E.A. Neubauer, J.W. Corin, Albert Holt, A.H. Hooper, Steve Austin, Ed. Freeman, Chas. Bowman, John Andrews, Sr., W.H. Scandling, Wm. Creuz, Theo. Firme, George J. Eisele, John E. Quarnstrom, H.H. Laing, F.E. Crocker, E.E. Brewster, A.E. Robbins, E.A. Woodward, L.A. Henze, Louis Stoekly, Frank Milliman, Henry Oberdorfer, O.C. Davidson, R.L. Hammond, A.C. Cook, Fred W. Richards, Wilbur W. Thompson, G.V. Carpenter, J.P.

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[Compiled and Transcribed by William J. Cummings]

Larkin, Jim Harding, Ben Kramer, C.T. Hampton, Hugh McLaughlin, C.E. Lawrence, Bert Jones, George Irving, C.T. Winegar, John Obermeyer, A.H. Hayes.

Quinnesec – J.J. Cundy.

Norway – Elmer W. Jones, Jas. B. Knight, Robt. Henderson, Dr. B.L. Kelley, Gordon Murray, Frank Janson, D.A. Stewart, Dr. E.P. Lockart, Chester Knight, R.C. Flannigan, John Wickstrom, G.A. Hellberg.

Vulcan – Wm. Kelly, B.W. Hicks.

Loretto – A.J. McIntosh, W.B. Mitchell, W.H. Brewster, Andrew Jackson, Warren McLaughlin, C.H. Baxter.

S.N. Harrison, Peshtigo, Wis.; J.Ward Amberg, John Amberg, Chicago, Ill.; F.W. Kimball, Austin, Minn.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 14 [Thursday, August 27, 1908], page 1, column 6

A Presentation.

Last evening, John Marsch, the well-known railroad contractor, was presented with a beautiful and costly Shriner pin by his Iron Mountain friends. The presentation was entirely formal and took place at the jewelry store of Rahm & Will. The pin is of a special design manufactured to order. The claws grasp six diamonds and the star is composed of rubies. The Arab head is raised onyx with red enameled cap. On the back the following is engraved: "From the bunch that turned the tide, July 21st, 1908," referring to the completion of Mr. Marsch's contract at the Loretto mine. It will be remembered that the gentleman entertained a large party of friends on that date. The presentation was a good deal of a nervous shock to the genial contractor, as it was entirely unexpected, but he is as

happy as a lark this morning in the thought that he has so many warm friends.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 25 [Thursday, November 11, 1909], page 1, column 4

Damaged Shaft-House.

While moving a wrecking car, which had been used in picking up a derailed ore car, at the Loretto mine, last Monday, the boom of the wrecker swung around toward the shaft-house [*sic* – *shaft house*] and knocked three back stays out. Hoisting at the mine was discontinued for two days until the timbers were replaced. The lost [*sic* – *loss*], not to mention wages, is about \$400.

Iron Mountain News, Iron Mountain, Dickinson County, Michigan, Year 7, Number 6 [Saturday, April 16, 1927], page 1, columns 2-3; page 2, column 3

Loretto Mine Acquired By M.A. Hanna Mining Company, Announcement

Expectations Are of Run- ning It Full Time With 80 Men

Definite announcement of the acquirement of the Loretto Iron company, operating the Loretto mine, at Loretto, Dickinson county, by the American Boston Mining company, a subsidiary of the M.A. Hanna Mining company, was made this

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morning by officials of the Loretto concern following persistent reports that negotiations for a sub-lease were in progress. The transfer became effective this morning.

C.H. Baxter, for the past seven years superintendent of the Loretto mine, was removing his personal equipment and files from the company's offices at Loretto this morning, preparatory to leaving, while P.A. Carmichael, for the past year safety engineer for the M.A. Hanna company, on the Mesaba range, was preparing to move in. Mr. Carmichael spent most of today underground in a thorough inspection of the workings.

Established in 1893.

While officials of the Hanna company have declined to state, definitely, what changes, if any, will be made in the equipment or personnel, other than those announced herewith, it is generally understood that considerable new machinery will be installed and that plans are underway for capacity operations at Loretto.

The Loretto mine was established by the Loretto Iron company in 1893, with Chicago capital, about 75 per cent of which has been held, up to the present transfer, by J. Ward Amberg and family, of Chicago, with Mr. Amberg as president.

Employs 80 Men.

Since the first shipment went out of the property more than 3,000,000 tons of ore have been mined and shipped from Loretto, the property having always been considered a productive one. During 1926 about 100,000 tons were shipped out.

About 80 men are now employed at Loretto, according to the official check-up this morning. No immediate increase in the working force is anticipated. Domenic Girardi has been retained as mining captain, Anton Massa as master mechanic

and J.H. McCarthy as chief clerk and office manager.

One of Last Independents.

The transfer of the Loretto mine to the M.A. Hanna company marks the passing of one of the last of the independently-owned mining properties in the Lake Superior district. There are still a few in which stock is controlled largely by families or a small group of individuals, it is said, but negotiations are declared to be already in progress for their transfer to the larger corporations.

J. Ward Amberg has been the leading spirit in the Loretto Iron company, and a figure whose interest and stock in the company grew steadily until he had acquired more than 75 per cent of the holdings. Amberg, as the president, was known personally to every man in the employ [*sic – employ*] of the company, and on his frequent trips to the property he fraternized freely and spent much of his time underground with the men.

Today the picture of J. Ward Amberg, which has hung for years in the superintendent's office, was taken down and preparations made for the installation of new office pictures.

Baxter's Plans Indefinite.

Mr. Baxter's future plans are indefinite, he said. He expects to leave soon for Lansing to attend a two weeks' hearing of the public utilities commission, after which he will return to Loretto and vacate the residence, [*sic*] he has occupied since becoming superintendent. Mr. Carmichael, with his family, will move into those quarters.

There was a hum of excitement throughout the Norway-Vulcan-Loretto district today as news of the transfer gained credence.

LUDINGTON MINE

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[Compiled and Transcribed by William J. Cummings]

[Iron Mountain]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 17 [Thursday, September 17, 1908], page 1, column 6

Miner Drowned.

Adolph Bloom, a pumpman, was drowned at shaft No. 5, old Ludington mine, last Monday morning. The accident was due to Bloom's own carelessness. In going down the shaft Bloom utilized an old cage contrary to orders. The rope broke and Bloom was dropped with the cage to the bottom of the shaft. There was considerable water in the shaft and in order to recover the body it was necessary to pump it out, a temporary plant being installed. The body was not recovered until yesterday morning. Bloom had resided in the city for many years and was fifty years of age. He leaves a wife and four children – two sons and two daughters.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 28 [Thursday, November 23, 1916], page 1, column 6

Again Shipping.

The steam shovel is again busy at the Ludington shaft stock-pile [*sic – stockpile*] of the Oliver Iron Mining company. An order was received on Monday to ship an additional 25,000 tons of ore from stock and this work is now being rushed. Including the shipment now in hand the company has shipped to the Escanaba docks this season about 550,000 tons of ore. This is an increase, in comparison with the season of 1915, of over 100,000 tons.

MILLIE MINE

[Iron Mountain]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 6 [Thursday, July 2, 1908], page 1, column 4

Another Level.

At the Millie mine the work of sinking the new shaft an additional one hundred feet is finished. This shaft is located near the old one and has a total depth of two hundred feet. It taps a new lense [*sic – lens*] of high grade ore. The Millie has shipped no ore this season. The starting of the steel mills at the Canadian Soo may result in an early resumption of mining operations, however. This mine is now controlled by the Algoma Steel company, owners of the mills. The concern also consumes the ore of the Saginaw mine.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 22 [Thursday, October 21, 1909], page 1, column 5

Fatality at Millie.

Donato Agrella, a young man, twenty years of age, was accidentally killed at the Millie mine last Thursday afternoon. He was trimming down the side of a stope and attempted to pry off a large piece of rock with a bar when it suddenly gave way and fell on him, crushing his head and killing him instantly. The young man had been in this country only three months and was working as helper with a miner, who advised him to keep away from that side of the stope as it was not safe.

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[Compiled and Transcribed by William J. Cummings]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 23 [Thursday, October 28, 1909], page 1, column 6

FATALITY AT THE MILLIE.

A Fall of Ore Causes the Death of a Miner Last Tuesday.

Alfred Vercellino, a miner employed at the Millie mine, was fatally injured last Tuesday forenoon by a fall of ground and died from his injuries last Tuesday night about 11:00 o'clock.

Vercellino and his partner were working in a stope. A hole had been blasted and the men were barring down some loose ground when a large piece of overhanging ore came down suddenly and struck Vercellino on the right thigh[,] knocking him down and causing a compound fracture of the the [sic] thigh-bone [sic – thighbone]. After falling, he rolled down [a] fifty-foot incline and the piece of ore rolled over him, inflicting internal injuries, which caused his death.

Vercellino was thirty-five years of age and leaves a wife and two children in Italy. He was a member of several Italian societies and recently came to the city from Bessemer. This is the second fatality at the Millie mine in less than two weeks.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 51 [Thursday, May 3, 1917], page 1, column 6

Mine Millie Ore.

General Manager Brown, of the Pewabic company, has completed a deal

with the Dessau Mining company for the mining of Millie ore. The Millie property adjoins that of the Walpole, operated by the Pewabic company. The ore will be mined through the workings of the Walpole. A production of about 40,000 tons is anticipated. The work will furnish employment for a considerable force of men and is to start at once.

MUNRO MINE [Norway]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 9 [Thursday, July 22, 1909], page 1, column 4

Munro to Resume.

The Munro mine of the Buffalo & Susquehanna company, located near Quinnesec, is to become active as soon as the workings can be unwatered, not later than the first of August. The work of overhauling the machinery was commenced last Tuesday under the direction of Supt. Harry McDermott. It will require a week to get the pumps in motion, as the boiler will have to receive repairs. With the pumps in working order, it is thought the workings can be unwatered about the first of August. Fifteen men are now at work repairing the machinery and preparing for the miners. When mining is resumed a force of seventy-five men will be employed. The management expects to mine and ship 40,000 tons of ore before the close of navigation.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 10 [Thursday, July 29, 1909], page 1, column 3

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[Compiled and Transcribed by William J. Cummings]

BIG WATER TOLL

TEN TONS FOR EACH TON ORE AT THE CHAPIN MINE.

Florence Mine Booked for a Record Production of Ore This Year – Boiler for Munro Mine.

The Buffalo & Susquehanna company has placed an order with Hunt, of Marinette [*sic – Marinette*] for a large boiler for the Munro mine. The manufacturer has agreed to deliver the boiler in record time. The old boiler has been repaired and the work of unwatering the workings is now in progress. It is expected to commence shipping ore to the docks in ten days. Supt. McDermott [*sic – McDermott*] will have to hustle if he mine [*sic – mines*] the 25,000 tons allotted to the property.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 23 [Thursday, October 28, 1909], page 1, column 4

Sink Deeper.

The Munro Mining company, operating the Munro mine near Norway, has decided to sink the shaft another level, about seventy-five feet, making the total depth about one hundred and fifty feet. This will open up a large body of ore and permit the employment of a much larger force of men next season. Shipments to the docks have been suspended. The total for the season will reach about 25,000 tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15,

Number 21 [Thursday, October 13, 1910], page 1, column 2

Working Night Shift.

At the Munro mine, Supt. McDermott has received orders to employ a night shift. This has materially increased the working force and there are now about one hundred men on the pay roll [*sic – payroll*]. Orders have also been received to mine and ship as much ore as possible from now until the close of navigation. The daily output at present is about four hundred tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 26 [Thursday, November 17, 1910], page 1, column 3

Goodly Output.

It is expected that the Munro mine will discontinue mining operations for the season in a few days. The output will exceed 25,000 tons. Considering the few weeks the property was active, and the difficulties under which Supt. McDermott labored, the record is an excellent one.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 14 [Thursday, August 19, 1915], page 1, column 2

Repairing Munro Shaft.

At the Munro mine, east of Quinnesec, a number of men are engaged in repairing the shaft. The fact led to the report that the property was about to resume operations. General Manager Woodward tells The Press, however, that no ore will be hoisted this season. The shaft timbers are in poor repair and the work now in hand was

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deemed necessary. Another season, no doubt, the mine will be active.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, columns 1-2

Much Stripping Done.

During the past season a new record has been established in stripping ore deposits in the Iron Mountain district. At the workings of the Antoine Ore company, John Marsch has about concluded a contract for the removal of 100,000 cubic yards of earth. This work was started in August and will be finished in a short time. The excavation extends from the old workings to the old Cornell pit, within a short distance of Lake Antoine. The Traders pit is now the largest in the upper peninsula, we believe. Considerable development work will be done at the property during the winter months. At the Indiana mine, the Marsch people removed 60,000 cubic yards of over-burden. The Indiana Mining company is now mining and shipping the ore. At [sic] the Munro mine of the Munro Mining company is now engaged in stripping a considerable territory, but no figures are obtainable as to the total. The Hoose & Person Construction company has the contract.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 28 [Thursday, November 23, 1916], page 1, column 6

Lost a Finger.

Last Saturday, Hans Danielson[,] craneman [sic – crane man] on the Hoose & Person Construction company steam

shovel at the Munro mine, had the third finger on the right hand so badly smashed that amputation was necessary. The member was accidentally smashed by a large hammer in the hands of a fellow workman while engaged in making repairs to the bucket.

NORTHWESTERN MINE [Felch Mountain Range]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 5 [Thursday, June 20, 1907], page 1, column 4

Old Northwestern.

The Press learns that Geo. A. St. Clair, of Duluth, has finally succeeded in acquiring a perfect title to the old Northwestern mine property in the Felch Mountain district and that he is now planning to resume operations in the near future. The mine is now known as the Northern and was operated by Mr. St. Clair in a small way some six years ago. A shipment of over 7,000 tons of ore was made in 1903, and it has a total output to its credit of over 35,000. It is said to contain a large deposit of better than 50 per cent ore.

PENN MINES – VULCAN

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 11 [Thursday, August 6, 1908], page 1, column 6

Shipping Delayed.

Owing to bungling work on the part of the engineers in making the plans for the

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spur track and sidings to the mines of the Penn Iron Mining company at Vulcan, the shipment of ore from that district over the St. Paul road has been delayed a week or more. The mistake necessitated the building of considerable new track and connection. A force of one hundred men was employed in making the changes. It is now expected that the first St. Paul cars will be loaded with ore at Vulcan to-day [sic – today] or to-morrow [sic – tomorrow].

PEWABIC MINE [Iron Mountain]

The Range-Tribune, Iron Mountain, Dickinson County, Michigan, Volume XVII, Number 28 [Saturday, November 2, 1895], page 1, column 3

UP GO WAGES.

The Pewabic Mining Company Will Make a Liberal Advance.

The Menominee is making the pace for the other ranges in the matter of advancing wages. Last evening Supt. Brown authorized *The Range-Tribune* to announce that the Pewabic Mining company had decided upon a liberal advance in wages, the same taking immediate effect. The scale is now being arranged and will be announced in a few days. Mr. Brown, while not prepared to make known the ratio of advance, assures that it will be a most substantial one and will include all employes [sic – employees] of the company. This is the second voluntary advance in wages by the Pewabic company within a short time, and will no doubt add very materially to the pleasant relations that

now exist between the men and the company.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 31 [Thursday, December 19, 1907], page 1, column 6

Curtailing.

About one hundred and eighty men have been let out at the local mines of the Oliver Iron Mining company. Forces have also been reduced at Norway and throughout the Lake Superior region. The men let out here were all unmarried. It is believed that the curtailment is only a matter of a few months.

Last Saturday was pay day [sic – payday] at the Pewabic Mine and the Oliver company liquidates to-morrow – several days earlier than usual. Both companies employed scrip.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 49 [Thursday, April 23, 1908], page 1, column 4

A Fairy Cave.

In raising for another level in No. 1 shaft at the Pewabic mine last Friday morning, a veritable fairy's cave was encountered. This vug, or cave, was literally lined with beautiful crystals and iron pyrites. The vug was sixty-five feet in length with an average width of thirty-five feet and a height of twenty-five feet. It is said to have presented a magnificent appearance when first entered.

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*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 12,
Number 50 [Thursday, April 30, 1908],
page 1, column 5*

At the Pewabic.

The installation of a new hoist at No. 1 shaft, Pewabic mine, has necessitated the retimbering of the shaft. This work was commenced last Monday and compelled a suspension of mining in this portion of the mine. The work will require several weeks. In the meantime the men will find employment at No. 2 shaft, working alternate weeks. The work of sinking the shaft another level is about completed. No. 2 shaft was also sunk another level, the work having been finished recently. The new steel shaft-house is practically completed.

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 13,
Number 35 [Thursday, January 21,
1909], page 1, column 3*

Badly Injured.

Joseph Lahaie, employed as engineer of a puffer engine on the surface at the Pewabic mine, was caught between a runaway car and a plank and so badly injured that it is feared that he will not recover. The accident happened last Thursday. Lahaie had one leg fractured at the hip and was also badly crushed, being injured internally.

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 15,
Number 14 [Thursday, August 25,
1910], page 1, column 4*

GUST JOHNSON IS DEAD.

Miner Stabbed at Pewabic Mine Dies Yesterday in Chicago.

Gust Johnson, a Finnish miner, employed at the Pewabic mine, was stabbed with a miner's candle-stick [*sic – candlestick*] by Guiseppe Spigarelli, a fellow workman, last Saturday evening about six o'clock.

Johnson died yesterday at the Augustana Hospital, in Chicago, where he had been taken for treatment and the body arrived here this morning.

Just before six o'clock on the day named, about sixty miners were sitting around No[.] 2 shaft, waiting to be lowered down to their work. Johnson and Spigarelli became engaged in a friendly scuffle. Johnson handled the latter a little roughly, tearing some of his clothing. This angered Spigarelli and he thrust [*sic – thrust*] his candle-stick [*sic – candlestick*] into Johnson's abdomen, penetrating the liver.

When Spigarelli realized what he had done he ran away and secreted himself behind a coal-pile [*sic – coal pile*] near the Hamilton shaft, where he was afterward found by Polisman [*sic – Policeman*] Larson and placed under arrest.

Dr. S.E. Cruse was summoned to attend the injured man and took him to St. George's Hospital, where an operation was performed.

Last Tuesday night Johnson was sent to the Augustana [*sic – Augustana*] Hospital at Chicago by the Finnish Society, of which he was a member.

Spigarelli is being held in custody.

It is alleged that the cut re-opened during the hard night trip to Chicago and that when Johnson was received at the hospital several inches of his intestines

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were protruding through the wound, and his death followed in a few hours.

Johnson was about thirty-four years of age and is survived by a wife and several small children.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 22, Number 43 [Thursday, March 14, 1918], page 1, column 6

Pewabic to Quit.

Upon the authority of General Manager Brown, The Press regrets to announce that the Pewabic mine will suspend operations at an early date. Mr. Brown attached no strings to the announcement. The property has been looking poor for the past several years and can no longer be operated at a profit. The suspension means a material loss to Iron Mountain. For a long term of years the property has been one of our main assets. For the past several years only a small force has been employed, so the city has been prepared, in a measure, for the news of total suspension.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 22, Number 48 [Thursday, April 18, 1918], page 1, column 4

Suspend Mining.

All mining operations have been suspended at the Pewabic mine, for so many years one of Iron Mountain's largest and most dependable business assets. The work of bringing to the surface all the mining materials and plants is now in progress. This includes the pumps, tracks, cars and pipes. Nearly one hundred men are employed in this wrecking work. The Press feels hopeful that some day in the not

distant future the Pewabic will again be the scene of considerable mining activity.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 23, Number 2 [Thursday, May 30, 1918], page 2, column 3 [and page 3, column 1]

At the Pewabic.

The work of removing the pumps and machinery from the underground workings of the Pewabic mine is nearing completion and it is expected to finish the job within the next few days. The water is above the fifth level and is now slowing up. There are about eighty thousand tons of ore in stockpile and it is now being shipped to the docks, a steam shovel being employed in the work.

PORTLAND MINE [Marquette Iron Range]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 42 [Thursday, March 2, 1916], page 1, column 6

LEASED THE PORTLAND.

Hoose & Person Construction Company to Engage in Mining.

The Hoose & Person Construction company will operate the Portland mine at Michigamme, having secured a long-term lease on the property from the Buffalo & Susquehanna Steel company, owners of the same. The construction company had a contract for mining the ore for the past

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several years, the mine being operated under the management of the Munro Mining company. Mr. Hoose and General Manager Woodward, of the Munro company, left here last Saturday evening for Buffalo to conclude a deal for the sale of the ore to a furnace concern. The ore is a limonite and can be mined at a low cost. Last season the property produced 100,000 tons of ore and is capable of sending out a much large tonnage. The output this season will depend in a measure upon the needs of the Buffalo interests. The Hoose & Person company has also closed a deal to do some stripping for the Cleveland-Cliffs Iron company at the old Lake Angeline mine at Ishpeming. This *[is]* in addition to *[the]* contract at North Lake, which was partially completed last fall.

SAGINAW MINE **[Norway]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 33 [Thursday, January 2, 1908], page 1, column 2

Saginaw to Resume.

Supt. Jones has received orders from the Chicago office to resume mining operations at the Saginaw mine with a full force of men next Monday. It seems that the unexpected suspension of operations was caused by a misunderstanding with the Algoma Steel company, operating furnaces at the Canadian Soo, which has contracted for the entire output of the property.

TRADERS MINE **[near Iron Mountain]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 39 [Thursday, February 18, 1909], page 1, column 4

Traders Will Resume.

Supt. Carbis, of the Antoine Ore company, tells The Press that he expects orders in a few days from General Manager Fairbairn to prepare the Traders mine for an active season. The property has been idle for more than a year. The workings were permitted to fill with water and the big pit contains more than a hundred feet of wetness. It will require a month to prepare the property for mining. When active the Traders employs about 150 men.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 2 [Thursday, June 3, 1909], page 1, column 4

Traders Resumes.

While in the city last Thursday afternoon, General Manager Fairbairn issued orders for the immediate resumption of mining operations at the Traders mine of the Antoine Ore company. Superintendent Carbis at once summoned his force of assistants and the work of unwatering the big pit is now in progress. No information is obtainable as to the probable output, but it is likely that a force of one hundred or more men will be employed. The property is in shape to produce 200,000 tons during the shipping season. Manager Fairbairn says tht there has been a marked improvement in the conditions of the iron and steel trade and he anticipates an early return to former conditions.

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Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 52 [Thursday, May 19, 1910], page 1, column 6

Traders Active.

Capt. Frank Carbis, of the Antoine Ore company, received orders yesterday that resulted in the immediate commencement of mining operations. Capt. Carbis has instructions to forward all the ore possible and he will commence with a daily shipment of between 1,200 and 1,400 tons. At present one hundred men are working, but this force will be increased. During the winter a large amount of development work was done and the mine is now in condition to sent [*sic – send*] out the largest tonnage in its history.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 12 [Thursday, August 11, 1910], page 1, column 5

Traders Resumes.

Last Friday, Supt. Carbis received telegraphic orders to resume mining operations at the open pit of the Antoine Ore company with a full force of men. Orders were received less than [*sic – than*] ten days ago to suspend operations and pull the pumps. This was done and the workings filled with water. Supt. Carbis says it will take some time to unwater the pit, but he hopes to resume shipments early the coming week. A force of about 125 men will be employed. The change of program would indicate that there was an additional demand for ore of the grade mined at this property.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 17 [Thursday, September 15, 1910], page 1, column 5

Miner Injured.

Last Thursday evening, Tito Coletto, employed at the Traders mine, lost his balance while working in a stope on the side of the open pit and fell sixty feet to the bottom of the pit. Coletto struck on his back on some rocks. He was taken to St. George's Hospital, where he is still in an unconscious condition. Just what his injuries are has not yet been determined, but he is supposed to be injured internally.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 18 [Thursday, September 22, 1910], page 1, column 4

Resulted Fatally.

Tito Coletto died at St. George's Hospital last Saturday morning from injuries received in falling sixty odd feet at the open pit of the Antoine Ore company. At the time of the accident, Coletto was standing on a ledge engaged in passing up drilling tools to his partner. It is the opinion of friends that he had an attack of dizziness and fell. In falling, Coletto struck a ledge before landing at the bottom. His skull was fractured. Coletto was about nineteen years of age and came to the city from Italy about a year ago. The funeral was held on Monday from Holy Rosary church.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 18 [Thursday, September 22, 1910], page 1, column 3

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

Traders Closes.

The Antoine Ore company will suspend mining operations for the season to-night [*sic – tonight*], when the pumps will be pulled and the pit permitted to fill with water. During the last run about 20,000 tons of ore were mined and shipped, making the total output for the season about 91,000 tons. Considering the difficulties with which Supt. Carbis had to contend, this record is an excellent one.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 35 [Thursday, January 13, 1916], page 1, column 5

SOME GOOD NEWS

TRADERS TO RESUME OPERATIONS AFTER YEAR'S IDLENESS.

Supt. Carbis Instructed to Unwater the Workings and Prepare for Record-Breaking Output.

The Traders mine of the Antoine Ore company, subsidiary to the Republic Iron & Steel company, is to resume operations at once.

Orders to this effect were telephoned yesterday morning to Supt. Carbis by General Manager Webb, of Duluth.

The work of preparing the machinery and pumps preparatory to unwatering the workings was started this morning.

The big pit is filled almost to the surface and it will require a month or six weeks to place the property in ship-shape for the

miners. However, the work will be rushed with all possible speed and ore will be coming to the surface as soon as the docks are ready to receive it.

It is anticipated that the output during the season will be the largest in the history of the property. Supt. Carbis has orders to work the property to capacity and he tells The Press that he can mine and ship 150,000 tons during the season of navigation.

This means employment for fully 150 men, and will add materially to the business prosperity of the city.

The company has in mind an extensive program of development work to be prosecuted during the season. The program includes the stripping of considerable surface, the deepening of the pit, drifting and cross-cutting.

The Traders was inactive last season and the fact that it is about to resume is good news – very good news.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 48 [Thursday, April 13, 1916], page 1, column 6

At the Traders.

At the Traders, the first ore was loaded into cars for shipment to the Escanaba docks last Monday. Supt. Carbis states that he is now working about seventy-five men, but will enlarge the force as soon as the season is fairly open. John Marsch is employing a considerable force in his stripping operations, one of his construction plants having reached here from Canada last Monday. A steam shovel is engaged in excavating.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21,

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

Number 21 [Thursday, October 5, 1916],
page 1, column 6

At the Traders.

John Marsch expects to complete his stripping operations for the Antoine Ore company in about ten days. The original contract was for 50,000 cubic yards. Later this was enlarged to 1000,000 [sic – 100,000] cubic yards. The work has been in progress for about five months. One steam shovel, several locomotives and a considerable number of men were employed. The Antoine pit now extends in an easterly direction almost to the banks of Lake Antoine and includes the old Cornell mine. From the later [sic – latter] property, which was operated by the late John R. Wood, some of the best Bessemer ore ever mined in the district was shipped. The last mining at the Cornell was done under the supervision of Capt. Frank Carbis, who is now superintendent for the Antoine Ore company. The tonnage of ore uncovered by the stripping is estimated at several million tons.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, columns 1-2

Much Stripping Done.

During the past season a new record has been established in stripping ore deposits in the Iron Mountain district. At the workings of the Antoine Ore company, John Marsch has about concluded a contract for the removal of 100,000 cubic yards of earth. This work was started in August and will be finished in a short time. The excavation extends from the old workings to the old Cornell pit, within a short distance of

Lake Antoine. The Traders pit is now the largest in the upper peninsula, we believe. Considerable development work will be done at the property during the winter months. At the Indiana mine, the Marsch people removed 60,000 cubic yards of over-burden. The Indiana Mining company is now mining and shipping the ore. At [sic] the Munro mine of the Munro Mining company is now engaged in stripping a considerable territory, but no figures are obtainable as to the total. The Hoose & Person Construction company has the contract.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 23 [Thursday, October 19, 1916], page 1, column 6

At the Traders.

Capt. Frank Carbis, of the Antoine Ore company, has an extensive program of development work mapped out for the winter months and the work, which will employ a considerable force of men, will start as soon as the shipping [sic – shipping] season closes. The work includes the driving of a drift five hundred feet long in an easterly direction. This drift will be large enough for two tracks, about ten by twelve feet in size. Five "mills," for the running of the ore, will be raised. The mills will have an average depth of about 130 feet each. Other development work is also under consideration.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 48 [Thursday, April 12, 1917], page 1, column 6

Antoine is Shipping.

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[Compiled and Transcribed by William J. Cummings]

The Antoine Ore company has been informed that a steamer will arrive at Escanaba within the next few days for 12,000 tons of ore. The company now has about 8,000 tons at the dock and will forward the balance as soon as possible. The 8,000 tons was won during the winter months in development work and was loaded into cars. The Antoine company sent the first trainload of ore to the St. Paul docks and will send out the first cargo from Escanaba. Supt. Carbis has a requisition for a much larger tonnage of ore than last season and expects to comply with the order.

VIVIAN MINE [Quinnesec]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 32 [Thursday, December 26, 1907], page 1, column 2

Increased Output.

The five mines on this range controlled by the Pickands, Mather & Co., interests, and of which Charles E. Lawrence, of this city, is general superintendent, show material increase in shipments for the year with the exception of the Vivian at Quinnesec. The Baltic at Palatka shipped 197,068 this season in comparison with 186,495 last year, an increase [of] 10,573 tons. The Caspian, in the same district, shipped 139,092 tons this year, last season 80,875 tons, an increase of 48,217 tons. The Hemlock, at Amasa, increased its shipments from 106,437 tons to 116,237 tons and the Calumet at Felch, Felch Mountain district, from 15,773 tons to 50,350. The Vivian decrease is from 122,577 tons in 1906 to 48,493 tons this

year. The total output from the five properties is 671,240 tons in comparison with 612,167 tons in 1906.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 20 [Thursday, October 7, 1909], page 1, column 2

The Verona Co.

The work of unwatering the Vivian mine at Quinnesec and the Calumet mine at Metropolitan is now in hand and as soon as the properties are dry mining operations will be resumed with a small force of men. Charles E. Lawrence, of this city, is general superintendent of the mines, and they are operated by the Pickands, Mather & Co. interests. At the new Channing mine, in the Amasa district, the St. Paul road is engaged in building a spur track from the Ontonagon branch, a distance of about two miles. The property was named in honor of J. Park [sic – Parke] Channing, who explored that district some seventeen years ago. It is understood that a goodly deposit of ore of an excellent grade has been proven up and the mine will be an active shipper another season. A force of twenty-five men is employed, but it will be increased as the ground is opened up. The Verona company is employing about seven hundred men at the Caspian and Baltic mines at Palatka.

WALPOLE MINE [Iron Mountain]

The Range-Tribune, Iron Mountain, Dickinson County, Michigan, Volume XVII, Number 28 [Saturday, November 2, 1895], page 1, column 2

MENOMINEE RANGE HISTORY – IRON MINES – LATER NEWSPAPER ARTICLES

[Compiled and Transcribed by William J. Cummings]

THE WALPOLE PROPERTY.

The Pewabic Mining Company Has Secured Control From Mr. Hyde.

The deal was closed this week whereby the Pewabic Mining company secures possession of the Walpole property, for which half a dozen concerns have been negotiating for the past six weeks.

The property is described as the south half of south half section 29; southeast quarter of southeast quarter of section 30; northeast quarter of southeast quarter of section 30; northeast quarter of northeast quarter of section 31, and the southeast quarter of northeast quarter of section 31 – six forties.

Supt. Brown, to whom we are indebted for the above important information, told the reporter last evening that it was the intention of the Pewabic company to thoroughly explore the property, and work would commence at once.

The property will be attacked at three points – at the western end of the Pewabic works, at the old Walpole shaft near the Chapin, and at the lean ore outcropping near the pipe line on West B street.

Thirty men will be employed in the work at the start.

Supt. Brown has already placed an order for a compressor and boilers for the old Walpole shaft, which will be immediately retimbered and placed in shape for sinking.

The deal is a highly important one from all standpoints, and the exploratory work is almost certain to result in the finding of another large deposit of high grade ore.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 16 [Thursday, September 2, 1915], page 1, column 6

Walpole to Resume.

General Manager Brown tells The Press this morning that the Pewabic company is about to resume mining operations at the Walpole mine, which has been idle for some time. Mr. Brown states that a force of about twenty men will be employed at present and that the daily production is estimated at about 300 tons, which will be shipped to the docks. There is increased activity at the Pewabic mine. The daily production of about 1,000 tons is being forwarded to the docks and in addition about 2,000 tons is being shipped from the stock-piles [*sic – stockpiles*]. The news is decidedly encouraging.

WEST CHAPIN MINE [Iron Mountain]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 20, Number 2 [Thursday, May 27, 1915], page 1, column 4

Spencer is Busy.

John T. Spencer left last Friday for the east and was in Cleveland last Tuesday. He expects to be away from the city about a week or ten days. He hopes to be able in the near future to announce a business deal of importance to Iron Mountain. Mr. Spencer is forming affiliations with leading iron and steel concerns in developing the properties he is now exploring in the vicinity and upon which he holds options. The exploratory work on the property adjoining the Chapin mine on the west are, we understand, proving highly satisfactory. The property was recently visited by several representatives of a leading independent

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[Compiled and Transcribed by William J. Cummings]

mining concern. Mr. Spencer is also engaged in drilling another property in the Lake Fume [*sic – Fumee*] district, which he has designated the West Indiana. While our information is rather limited, it can be stated that the work so far done indicates [*sic – indicates*] the presence of a goodly body of low phosphorus ore. This property is also being invested [*sic – investigated*] by leading interests. It is the opinion of mining men with whom The Press has had conversation recently, [*sic*] that a number of large mines are certain to be developed in the Lake Fume [*sic – Fumee*] district in the near future.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 40 [Thursday, February 15, 1917], page 1, column 6

WEST CHAPIN MINES CO.

Incorporated to Operate Spencer Exploration West of the City.

The West Chapin Mines company was organized at a meeting of the interested parties held in Detroit last Thursday and the articles of incorporation will be filed with the secretary of state at Lansing before the close of the week. The amount of capital stock cannot be given at this time.

The incorporators of the new company are D.M. Hyde, of Appleton, Wis.; P. Landell, of Detroit; M.E. Richards, of Crystal Falls; John T. Jones, now of Pittsburgh, and John T. Spencer, of Iron Mountain. A meeting of stockholders will be held in Iron Mountain within the next few days to complete the organization.

Arrangements have been made for the necessary plant of machinery and it is now being loaded on the cars at Detroit and it

will be erected at the property as expeditiously as possible as soon as it arrives.

The West Chapin company has been formed to develop the property bearing that name. The property abutts [*sic – abuts*] the possessions of the Oliver Iron Mining company. A considerable amount of exploratory work has been done during the past two years under the director of Mr. Spencer. This work includes the sinking of a shaft to a depth of several hundred feet. Some test-pitting has also been done. This work has established the existence of a large volume of ore. While the ore is of a rather low grade, it is also low in phosphorous and contains several desirable qualities. The overburden is a shallow one and the question of stripping the ore body and mining the same with a steam shovel has been under consideration.

The new company is planning on making a considerable shipment of ore during the coming season.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 41 [Thursday, February 22, 1917], page 1, column 5

WEST CHAPIN CO.

Company is Incorporated With Capital Stock of \$750,000.

The West Chapin Mines company has been incorporated under the laws of Michigan with a capital stock of \$750,000.

The officers of the new company are as follows:

President – John T. Spencer.

Vice-President – John T. Jones.

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Treasurer – Oliver Evans.

Secretary – James R. Spencer.

General Manager – George R. Anderson.

Directors – D.M. Hyde, of Appleton; Dr. Joseph A. Crowell, of Iron Mountain; Earl R. Hasse, of Detroit; Fred A. Platt, of Detroit.

As was stated in the last issue of The Press, the company has been organized for the purpose of developing the 160 acres of mineral land known as the West Chapin and described as the north half of southwest quarter and south half of the northwest quarter of section 25, town 40 north, range 31 west.

The property has been explored at various times. John T. Spencer was the first explorer. He was followed by the Illinois Steel company with the late Capt. James Cundy in charge of the work, and later the Oliver Iron Mining company did some work on the west end with a diamond drill.

A year or two ago, Mr. Spencer again optioned the property from the Keweenaw association. He concentrated his work in sinking a shaft to a depth of 250 feet near the east boundary and in running several drifts at the bottom level.

This work, we are informed by responsible mining men, has proven up a very large body of low phosphorous silicious [*sic – siliceous*] iron ore with leads of high-grade ore. There is a large demand for this grade of ore at present. It is employed in the manufacture of low phosphorous pig iron used in the manufacture of high-grade alloy steels.

On the west end of the property there are two other shafts – one having a depth of 600 feet, sunk by the late Capt. Cundy, and the other one 100 feet in depth.

A plant of machinery is now being installed at the east end shaft. The new company, [*sic*] will, as soon as possible, commence the mining of ore at this point.

A daily production of not less than 250 tons is hoped for at an early date. Later some stripping will be done and the open pit milling system of winning the ore will be inaugurated. This, it is hoped, will enlarge the output to 1,000 tons a day.

The Press is told the company is assured a market for all the ore it can produce.

George A. Anderson, of Detroit, a graduate of the College of Mines, will come to Iron Mountain to act as general manager, and Capt. John Martin, for many years captain for the Oliver Iron Mining company, has accepted the position of superintendent.

Some work is already in hand and the company has the money to carry out a large program of development operations. The Press is optimistic enough to believe that this work will result in the opening of another large mine in this district – one that will give employment to a large number of men.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 42 [Thursday, March 1, 1917], page 1, column 2

WEST CHAPIN CO.

Machinery Received and Development Work Has Commenced.

The West Chapin Mines company is rushing the preliminary work preparatory to the development of its, [*sic*] property as outlined in The Press.

During the week, several carloads of machinery – hoisting plant, compressors, boilers, etc., – have been received here and

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hauled to the Spencer shaft, where it will be erected as speedily as possible. During the week much building material has been hauled to the grounds and engine and boiler houses are now in course of erection.

Under the supervision of Capt. John Martin, who arrived in the city last Monday, the Spencer shaft is being placed in shape for the early hoisting of ore. The shaft is being re-timbered, in part, and strengthened and the house will be erected at once. It is planned to extend it in depth and to enlarge the levels and drifts. When this work is completed, Capt. Martin hopes to make a production of not less than 250 tons daily. A considerable force of men is now employed, but the muster roll will be materially enlarged when mining starts. We are told that the company is assured of a market for its ore.

No work is being done at this time on the west end, where there are two shafts – one having a depth of about 600 feet. The ores nears the surface at this point and the company has plans to strip and mine the deposit either by the milling system, as employed by the Antoine Ore company, or by the steam shovel plan in operation at the Munro.

At a meeting of the Michigan public utilities commission, held at Lansing last Thursday, the West Chapin Mines company was voted permission to issue stock, and market the whole issue, if deemed advisable by the board of directors, to the amount of \$750,000. The Press hears that a reliable Detroit financial house has offered to handle the entire issue of stock, but the directors will not consider the proposition. After the representatives of the company had presented their case to the commission in Lansing, there was no hesitation on the part of the commissioners in granting the application of the company to issue the stock. Dr. Allen, the state geologist, was present at the meeting and

raised a number of objections, but they were overcome.

A meeting of the board of directors will be held in this city next Monday at which the Detroit interests will be in attendance.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 48 [Thursday, April 12, 1917], page 1, column 6

West Chapin Mine.

The West Chapin mine will commence hoisting ore in a short time now. The machinery is nearly all in place and the “wheels will soon go round.” The repairs to the shaft and underground are about completed. The Press has been informed that, in enlarging the workings underground, a vein of high grade ore has been cut. The vein [*sic – vein*] is small as yet, but is enlarging as the work extends. A recent analysis of the ore, made by Mr. Brewster, showed a low phosphorous content – a fraction less than .007 per cent. The iron content is about 40 per cent.

CASPIAN MINE **[Caspian, Iron County]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 2 [Thursday, June 3, 1909], page 1, column 4

The Caspian.

At the Caspian mine of the Verona Mining company the surface has commenced to cave as a result of the undercutting that has been in progress for over a year. This marks the beginning of

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the caving system at the west side mines that are heavily capped with sand and the progress of the work will be carefully watched by the other operators of the district. So far the settling has been about what was expected. Some few runs of sand occurred not according to the program and some sand had to be handled, but in the main the surface has acted according to the plans worked along and it looks as if the problem is solved at this property. – Drill [The Diamond Drill, Crystal Falls, Iron County, Michigan]

CHATHAM MINE **[Stambaugh, Iron County]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 32 [Thursday, December 31, 1908], page 1, column 2

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A Miner Killed in the Chatham Mine at Stambaugh by Concussion.

The Chatham No. 2 mine in the Stambaugh district was the scene of a peculiar fatality one evening last week. The accident was caused by the explosion of the powder magazine. This magazine is located on the first level. It was constructed in accordance with the usual plans and was deemed safe in every particular. It was heated with steam, supplied by boilers on the surface. At the time of the explosion it contained twenty boxes of powder. How

the accident occurred will never be known and the cause is unexplainable. No one was working in the vicinity and no one had visited the magazine the day of the accident.

Stanley Smith, the victim of the accident, was working on the second level, one hundred feet below the magazine. His death was caused by the concussion. He was thrown against the wall of the room in which he was working, [sic] with such force as to fracture the skull. The head was not blown from the body, as printed in several papers, and the body was not torn nor [sic – or] mangled. The cut on the head was a small one. Several other men, at work on the lower level, were thrown down and bruised.

The above facts were secured from E.W. Hopkins, general superintendent of the Oglebay, Norton & Co. properties.

Smith was a married man, about forty years of age[,] and leaves a wife and several children. Until recently he resided at Florence.

HIAWATHA MINE **[Iron River]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 13, Number 5 [Thursday, June 25, 1908], page 1, column 5

FATALITY IN MINE

ISADORE QUARNSTROM IS KILLED AT THE HIAWATHA MINE.

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[Compiled and Transcribed by William J. Cummings]

Was Going Down the Shaft When a Car of Ore Was Dumped Upon Him – Killed Instantly.

Isadore Quarnstrom, master mechanic at the Hiawatha mine at Iron River, was instantly killed shortly after noon last Monday.

Mr. Quarnstrom was superintending the work of erecting a pump plant at the bottom of the shaft. He was on the cage, and was being lowered to the pumping station, when a carload of ore was dumped down upon him. He was terribly crushed, and it is believed that death was instantaneous.

The ore was dumped by trammers working on one of the upper levels. The trammers, hearing the bells, and not knowing of Mr. Quarnstrom's presence in the shaft, thought the cage was at their level, ready for the ore, [and] dumped the car without investigating.

Mr. Quarnstrom was one of the best known young mining men on the range. He was born in Norway and held responsible positions in the mines of that city and also at Quinnesec for years. About six months ago he was appointed master mechanic at the Hiawatha mine, operated by the Munro Mining company, going to Iron River from Chicago. Last Thursday he was joined by his family and had arranged for keeping house.

Mr. Quarnstrom was only thirty-six years of age. He is survived by a young wife and one child, an aged mother, residing in Norway, one sister and three brothers. County Clerk Quarnstrom is a brother, another resides in Chicago and a third at Norway. Mrs. Frank A. Janson, of Norway, is a sister.

The remains passed through to Norway last Tuesday afternoon and were joined here by a number of relatives and members

of the Masonic order. The funeral was held at Norway yesterday afternoon.

Mr. Quarnstrom will be mourned by a wide circle of friends. He was of a kindly, likeable sunny disposition and was a master of his trade. The relatives are assured of the heartfelt sympathy of the people of the county.

FLORENCE MINE **[Florence, Florence County,** **Wisconsin]**

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 10 [Thursday, July 29, 1909], page 1, column 3

BIG WATER TOLL

TEN TONS FOR EACH TON ORE AT THE CHAPIN MINE.

Florence Mine Booked for a Record Production of Ore This Year – Boiler for Munro Mine.

General Manager Vogel, in an interview last Saturday, informed The Press that the Florence mine would produce more ore this season than in a single year in the history of the property. Mr. Vogel is figuring on a production of 250,000 tons. Last season the property produced about 140,000 and in 1907 about 180,000 tons. The largest shipment in a single year was in 1905, when 233,858 tons were sent to the docks, but a considerable portion of this tonnage was from old stock-piles [sic – stockpiles]. Manager Vogel expects to make his record

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[Compiled and Transcribed by William J. Cummings]

shipment of 250,000 tons with a working force of about three hundred men. This indicates a very low mining cost. The property is looking healthy and is in better condition than at any time in its history. It has large reserves of ore. Under Mr. Vogel's management extensive improvements have been made on the surface and underground. Indeed, almost the entire surface plan has been renewed and is now equal to any in the Lake Superior district. The mine location is a model – as neat and tidy as a well-kept house. The work under underground [sic] has been judicious and resultful and always with an eye to the future. Manager Vogel has an able and sympathetic staff of assistants at the property.

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 14, Number 28 [Thursday, December 2, 1909], page 4, column 3

AROUND THE RANGE

The News of the Range Towns Condensed from Our Exchanges.

Frank Stippa, a young Polish miner, was accidentally killed at the Florence mine at about eleven o'clock last Friday morning. He was a machine helper and was working on a narrow place between third and fourth levels. While tightening bolts on the tripod, and using both of his hands in manipulating the wrenches, the tools slipped and Stippa lost his balance and tumbled backwards down the stope, falling a distance of seventy-five feet and near where a crew was tramming ore. When found by his comrades, one of whom was lowered down the stope by means of a rope shortly after the accident[,] the unfortunate miner's body

was nearly covered with the ore than had rushed down the declivity with it, and examination showed that life was extinct, his neck having been broken. He was about twenty-two years of age and had no relatives in this country.

OSANA MINE [Mineral Hills, Iron County]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 39 [Thursday, February 8, 1917], page 1, column 5

New Concrete Shafts.

The Mineral Mining company is planning many improvements at its properties in the Iron River district. General Manager Brown tells the [sic – *The*] Press that a new shaft is to be sunk at the Wauseca mine. This shaft will be of concrete construction. In size it will be 21x7 feet inside the concrete work and it will have a depth of 500 feet. The Osana shaft is also to be concreted to a depth of 500 feet. These improvements would indicate that the company contemplated increasing its output of ore very materially.

RIVERTON MINE [Stambaugh, Iron County]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 15, Number 34 [Thursday, January 12, 1911], page 1, column 3

Secured the Riverton.

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[Compiled and Transcribed by William J. Cummings]

The Brule Mining company, E.W. Hopkins[,] superintendent, has secured control of the old Riverton mine at Stambaugh, recently abandoned by the Oliver Iron Mining company. Mr. Hopkins does not expect to unwater and re-open the old mine. The property adjoins the Chatham mine, owned by the Brule company, with a considerable unexplored territory and it was a desire to test the country that influenced the deal. Drifts are now being extended from the Chatham into the Riverton territory and the Reporter states that some ore is being mined.

WAUSECA MINE [Iron River, Iron County]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 21, Number 39 [Thursday, February 8, 1917], page 1, column 5

New Concrete Shafts.

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YOUNGS MINE [Iron River, Iron County]

Iron Mountain Press, Iron Mountain, Dickinson County, Michigan, Volume 12, Number 48 [Thursday, April 16, 1908], page 1, column 5

Mine Closed.

The Youngs mine at Palatka, in the Stambaugh district, has closed down, orders having been received to that effect last week. The Youngs mine is controlled by the Huron Mining company with main offices in Cleveland. Seventy-five men were employed at the property. The mine has been active for three years and last season shipped 92,632 tons of ore.

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Let Out Men.

The Huron Mining Co. has commenced curtailing mining operations at the Youngs mine, in the Palatka district[,] and let out about 100 men. The management claims to have 100,000 tons of broken ore in the stopes ready to be hoisted and about 40,000 tons in the stock-pile [sic – stockpile], which is considerable more than it expects to ship next season. In case, however, that later on there should be a demand for ore the mine is in splendid condition to get out a much larger shipment than is now believed there will be a demand for. We [sic – The] Reporter understands about thirty or thirty-five men will be kept on the pay roll [sic – payroll].

PORTLAND MINE [Michigamme, Marquette County]

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[Compiled and Transcribed by William J. Cummings]

*Iron Mountain Press, Iron Mountain,
Dickinson County, Michigan, Volume 15,
Number 15 [Thursday, September 1,
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At the Portland.

The Hoose & Person Construction company's contract for stripping and mining ore at the Portland mine in the Michigamme district has been enlarged and will continue over a period of several years. President Hoose tells The Press that not as much ore will be mined at the Portland this season as had been planned. He estimates that the output will be in the neighborhood of 70,000 tons, about 20,000 less than last season. Stripping work will continue as long as it is possible to operate the steam shovels.