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FROM THE MINES

THE MANSFIELD.

The Oliver Iron Mining company has decided to sink the shaft commenced by the DeSoto Iron Company before the mine changed ownership. The immensity of the undertaking may be better understood when it is considered that the time consumed in opening this shaft the required depth, 1000 feet, will be about two years and the cost in the neighborhood of \$80,000.

The Mansfield vein dips to the east, standing at an angle of about 80 degrees. The new shaft is located in the hanging about 480 feet from the old shaft and was sunk to a depth of 54 feet when work was suspended. It is a 6 x 16 inside of timbers and has three compartments. The rock is diorite and it is probable that this rock will continue with them until the shaft cuts the ore formation which will occur at a depth of 1400 feet.

Work preparatory to starting to sink was commenced last Tuesday when one crew was started tunneling the railroad track for the pipe line and another crew started clearing ground for the placing of a "puffer" to handle the rock from the shaft. Four inch steam and five inch air pipes are to be installed it being the policy of the Oliver people to install at the outset apparatus of a capacity sufficient for all time.

The new shaft will be attacked at three points. One crew will start sinking from surface; another will crosscut and raise from the sixth level and another will do likewise from the ninth level. Work will be crowded at all points so as to get the shaft in condition to pull ore through at the very earliest time possible.

The Pewabic company, of Iron Mountain has at the present time three explorations going on in this county as follows:

THE CRYSTAL FALLS

This exploration is on lands of Peter McGovern on the shores of Runkle lake. The lands lie south of the Hilltop mine and are supposed to be crossed by the same formation. At the present time the work is confined to stand pipe work to test the ledge. A diamond drill is used and short holes are drilled to make sure that the true ledge is found in each hole. A couple of pipes have been ledged and the drill is being set this week for the third hole. The surface overburden is very heavy in this vicinity varying from 100 to 150 feet. Prior to the drill being placed on the property much test pitting was done up on the hillside near the Crystal Falls mine where the surface is much shallower. The ledge encountered so far in both pits and stand pipes is grey slates. Work will be continued until the property is thoroughly explored.

THE BEECHWOOD

In the vicinity of the station of the same name about seven miles above Iron River these people own a large tract of land and have been conducting explorations thereon for a couple of years. Work in this locality is made difficult because of the very heavy overburden. The surface varies from 100 to 200 feet

and much of this is a hard pan that is so hard that it is necessary to drill and blast it the same as so much rock. Grey slates make up the ledge met with so far.

SAUNDERS

Here too, the Pewabic people own a lot of land and they have been exploring these lands off and on for a number of years. Present operations are being prosecuted a few miles north of the station. The surface here is heavier than at any other point, varying from 250 to 300 feet and there is a heavy inflow of water generally encountered to a depth of 200 feet. The ledge met with in this locality so far is a grey slate very similar to that found at the other places.

THE GROVELAND.

Shipping has been suspended at this mine and stocking of ore commenced. The mine will be worked to its full capacity this winter. There is much talk of sinking the shaft and it is probable that a new level will be added to the mine this winter. About sixty men are employed in the mine under Capt. H. M. Lowry. Tom Brooks is clerk and time-keeper.

THE PIKE.

Hon. C. T. Roberts and A. E. Pike have secured through A. L. Flewelling an option on lot 3 Sec. 20 43-32. This property lies between the Youngstown mine and the Paint river and there is little doubt but that the ore from the Youngstown mine extends over onto this property. It is probable that the ore lies at quite a depth but that it exists was quite conclusively shown in a diamond drill hole put down in 1881 by the late P. E. Dunn in which the ore was encountered at a depth of 600 feet. Mr. Roberts hopes to be able to place the property with a strong Chicago concern with which he is dickering at the present time. However, he is not waiting for someone to take it before starting exploratory work for Mr. Pike has a crew at work sinking an exploring shaft about five rods north of the Bristol switch. This shaft will be carried down to the ledge but what the further program is, is not known at the present time.

Found Ore.

Peter Holmes, of Menominee, has found ore on lands belonging to him, the SW 1/4 of the NW 1/4 43-32. This property lies about a quarter of a mile west of Urban's spur on the Amasa branch of the C & N W railroad. Mr. Holmes has been exploring on the land all fall and encountered the ore in the last hole put down before work was suspended for the winter. A row of standpipes was put down across the formation the last one locating the ore formation. This pipe was put down through 134 feet of quicksand and hard pan and entered a ledge of mixed ore. The pipe was continued down five feet in the mixture which cleaned with every inch. The sludge that was washed up from the last foot was fully three-quarters ore. The land is owned in fee by Mr. Holmes and is open for option.

The great undertaking of opening the ore deposits on the properties in the eastern part of the city purchased by the Cleve-

land-Cliffs people last spring, is moving along as rapidly as the scarcity of labor and material will permit. Yesterday several carloads of timber, evidently designed for the shaft, arrived and hauled out to the location, which is but one of the many consignments to follow and which will ultimately find its way under the ground. It would be interesting to know approximately what the first ton of ore will cost the company when raised to the surface from the shaft now being commenced. It is stated that \$175,000 was expended in opening the Negaunee when the first ton was hoisted there, and this included no cost of realty. Including the cost of the property, it will be no surprise if the Cleveland-Cliffs company have an investment of a round million when the necessary buildings, machinery, rail connections, etc. are established in connection with the opened mine. From this forward, the preliminary work will constitute an industry of considerable importance, since a large number of men must necessarily be employed until the mine is opened. The company is providing against every conceivable mishap, and especially with reference to the water, it being the intention to have power to handle 4,000 gallons of water per minute, though the chances are that this will not be called into requisition, as there will be little or no water from the surface, whereas at the Negaunee sand shaft there was an immense swamp all about it, the contour of the surface on every side being such as to form a circular watershed, with the vicinity of the shaft as the center. This is at least one unfavorable condition with which the Cliff people will not have to contend. —Negaunee Herald.

Negotiations that have been going on for the past two months or more between Geo. Alger and the Donora Mining company, of Pittsburg, for the lease of the Volunteer with an option of purchase were consummated during the past week and the Donora Company will take charge on the first of December and at once commence the work of unwatering the mine. Mr. Oscar B. Warren, formerly of Palmer, but for several years past occupying a responsible position with the Mahoning company with headquarters at Hibbing, Minn., has been engaged as general manager, and will arrive at Palmer on the 29th, his family having preceded him reaching here by the early train yesterday morning. The Donora is an independent company composed entirely of Pittsburg capitalists and it is the purpose to work the mine to its full capacity, from the very start. The same company has taken on option on Section 32, of the Pittsburg & Lake Superior Iron company and commenced operating a diamond drill there some ten days ago. The Iron Herald is informed that it is the intention of the company to have something of a stockpile for shipment upon the opening of navigation. The buildings and plant of machinery are intact as left by the Cleveland-Cliffs company, but a short time ago, so that comparatively little time will be required in making the start. The necessary supply of coal has already been shipped from lower lake ports and will be delivered at the mine in ample time. The revival of this industry at this time indicates that the season of 1892 will be one of unusual activity on the Cascade range. —Negaunee Herald.

Preparations are being made to sink the Cyclops shaft of Penn Iron Mining company to a greater depth. It is rumored that Penn Iron Mining company will soon begin the sinking of a shaft on their Central Vulcan property.

Work on the new "sand shaft" at the Aragon is now fairly under way. This is the shaft through which it is proposed to pump all the surface water possible before it finds its way below ledge level.

To active shipping season having closed, the Cundy mine management has released a number of surface hands and discontinued active mining for a few days to make some repairs on the machinery, preparatory to a busy winters work.—Norway Current.

Recommends It to Truimen. G. H. Hanson, Lima, O., engineer L. E. & W. R. R., writes: "I have been troubled a great deal with backache. I was induced to try Foley's Kidney Cure, and one bottle entirely relieved me. I gladly recommend it to any one, especially my friends among the train men, who are usually similarly afflicted." Cole's Pharmacy.

The following clippings taken from the Greenland correspondent to the Ontonagon Herald pertains to old Crystal Falls people the many friends of whom will be pleased to learn that they are prospering in their new home "Next week will mark the entrance to Greenland of a weekly newspaper. Adam Bower will be associate editor, while the editor-in-chief has the reputation of being a practical mining man whose opinions are trustworthy."

J. E. Bower & Son are putting in a fine stock of watches and jewelry. They will also have a fine display of holiday goods for the Christmas trade. They have secured the services of a graduate optician. The ever popular "Tim" intends to keep to the front of the van in Greenland's progressive march.

The business of the Greenland post-office is increasing rapidly. Messrs. Bower & Son are attending to the wants of the public in a very satisfactory manner.

Row's This!

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure. F. J. CHENEY & Co., Props., Toledo, O. We the undersigned, have known J. E. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligation made by their firm. WEST & TRUAX, Wholesale Druggists, Toledo, O. WALKER, KINMAN & MARVIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surface of the system. Price, 75c per bottle. Sold by all druggists. Testimonials free. Hall's Family Pills are the best.

Probate Notice.

First publication Nov. 16, last Nov. 30. STATE OF MICHIGAN, COUNTY OF IRON. In a session of the Probate Court for said county, held at the Probate Office in the City of Crystal Falls, in said county, on the fifteenth day of November, A. D. 1901. Present: Hon. Albert L. Flewelling, Judge of Probate. In the matter of the estate of Knute N. Berg, deceased. On reading and filing the petition, duly verified, of Etta Berg, praying that she may be appointed administratrix of said estate for general purposes. Thereupon, it is ordered, that Monday, the ninth day of December, A. D. 1901, at ten o'clock in the forenoon, be assigned for the hearing of said petition, and that the heirs at law of said deceased and all other persons interested in said estate, are requested to appear at a session of said Court, then to be holden at the Probate Office, in the City of Crystal Falls, in said county, on said day, and there to file their objections to the petition, if any there be, why the prayer of the petitioner should not be granted. And it is further ordered that said petition, and a copy thereof, be published in "THE IRON MOUNTAIN", a newspaper, printed and circulating in said county, three successive weeks previous to said day of hearing. (A true copy.) ALBERT L. FLEWELLING, CLERK. H. WATSON, Attorney for Petitioner.

For Hoarseness.

Benj. Ingerson, of Hutton, Ind., says he had not spoken a word above a whisper for months, and one bottle of Foley's Honey and Tar restored his voice. Be sure you get Foley's, Cole's Pharmacy.

Michigan-Iowa Foot Ball Game. Chicago Ill., November 28, 1901. The C. & N. W. Ry Co., will for the above occasion sell round trip tickets good going the evening of the 27th and return leaving Chicago the evening of the 29th at one fare for round trip.

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