

MINING.—Continued.

CARLETON, YARMOUTH CO.—Mr. Ross, the manager of the Carleton mine, was in town last week and reports that everything is progressing favorably.

At Kemptville the Cowan Mining Company is meeting with fair success, but we hear nothing from the Kempt Mining Company.

RAWDON.—The Rawdon and East Rawdon mines are being worked as usual, and are making regular returns at the Mines' Office.

Mr. Fisk, the manager of the Renfrew Consolidated, was in town last week. He is rapidly putting his property into working shape, but has been delayed, owing to his inability to rapidly secure lumber for the water-wheel which was carried away.

Mr. Hayward has the Empress mine in A 1 condition, and is reaping the reward of his careful management in steady returns.

OLDHAM.—Mr. Hardman is pursuing the even tenor of his ways, and getting good returns from his mine. Mr. MacDonnell is in very much the same position, as may be verified by the reports in the Mines' Office.

No news has been received from the Cariboo district, and this may be accounted for by low water in the river, preventing the running of the water mill. Mr. Touquoy will soon have a mill of his own running, which will cause some little stir in the district.

Salmon River, Beaver Bank, the Oxford mine, and other properties in Halifax County, are being steadily worked with good results, but there is nothing to report.

A Liverpool correspondent telegraphs: "We were shown this morning a quartz rock weighing about ninety pounds, containing over two ounces of gold, taken off the lead at Vogler's Cove mine. Also several small specimens broken off with a pick. This lead is eight feet wide; having been tested a short distance, shows gold all through. A company has been formed, and is now in working order. They are now opening up the mine. J. W. Chisholm, B. Kenney and others interested, who have worked on this property so diligently and perseveringly, will now be rewarded handsomely for their trouble, as it bids fair to be the richest find yet."—*Herald.*

MANGANESE MINE.—The manganese mines belonging to the estate of the late William Stephens, of Walton, were sold at auction on Thursday last for \$2,000. Mr. Stephens, Jr., was the purchaser.—*Windsor Tribune.*

RICHEST LEAD DISCOVERY.—"The richest lead discovery of modern times" has been made in Franklin county, Missouri, according to a statement in the *St. Louis Republican*. A landslide revealed a solid vein of lead eight feet high, and at least six feet broad, with various branches terminating in pockets yielding massive nuggets. Three men took out 60,000 pounds in a few days, and the product sold readily at the mines for \$22 per 1,000 pounds to the smelting works at St. Clair. Machinery and smelting works are to be erected without delay.

SCIENTIFIC TRAINING IN MINING.—There is no department in human labor in which there is greater need of scientific training than in mining. Its prosperity is largely dependent upon metallurgical methods and skill, and these things are taught in the mining schools; and while a considerable knowledge of these sciences is not an absolute necessity to the miner, they are valuable aids, which sometimes lead men to avoid costly blunders.

The best miner is the man who is trained to observe little things; who sees in a crystal or a seam in the rock a fact of value; who knows enough of geology to understand its relations to faults and deposits of various kinds, and who can group together a set of facts and read their language; who knows enough of engineering to avoid costly mistakes, and understand when great skill and accurate work are required; who knows enough of mechanical principles of labor to understand the value of labor-saving machinery, and when it can be properly introduced; who has been trained in studying and assaying ores until he knows how to prevent wasting his valuable ore in the mine, or throwing it over the dump when it is raised to the surface; who knows enough about gases and ventilation and the chemistry of explosives to protect the health and life of himself and his men. These are things which men are taught in schools.

Mining is something more than handling a hammer, pick and gad, or putting in sets of timbers. It is an art and a science combined, which is worthy the employment of the best thought and the best skill of which men are possessed. And it is just because it requires intellect and thought and study the occupation is more honorable and dignified than the labor of the shoveller on the railway grade.—*Denver Tribune Republican.*

NOVEL MINING EXPLORATIONS.—Interesting and novel mining explorations have been carried on by the Cleveland Mining Co. near Ishpeming, Michigan. During the severe frost of last winter 24 feet of ice was formed on the surface of Lake Angeline. A diamond drill was taken out upon it, and several holes were bored in the bottom of the lake, which resulted in finding an extension of the Lake Superior hematite running along on its northern shore. The lake is surrounded on all sides but the west by high, precipitous bluffs of diorite and mixed ores. Along its southern shore the Lake Angeline Mine is situated; very near the north-west end is the Superior Hematite Mine, and the basin of the lake was always supposed to contain large quantities of iron ore. The drill holes put down have showed that supposition to be correct. This is, as far as we know, the first time that a diamond drill has been taken on the ice to explore the bottom of a lake.—*Iron.*

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