

their visit to the mines, they expressed themselves greatly pleased with what they had seen and more than satisfied with their investment.

AMERICAN MINING COMPANIES

Operating in Ottawa County.

THE AMERICAN PHOSPHATE MINING AND LAND COMPANY

was organized in January, 1882, and has carried on active operations in the Township of Templeton since September of the same year. In the early part of this season the company shipped 400 tons of first quality phosphate direct to London and 200 tons are now at the mines awaiting shipment. The property owned by this company is distributed over the Townships of Templeton, Portland East and Loughborough, and covers an area of 900 acres of carefully selected mineral lands. In the last two mentioned townships no work has yet been done beyond prospecting, but it is the intention of the local managers to extend operations during the present season. The company, whose head-quarters are in Philadelphia, has for its President Mr. J. Marshall Stoddart, Secretary and Treasurer, Mr. Fred. L. Pitts, both of Philadelphia, with five Directors, representative commercial men of Philadelphia and New York.

THE INTERNATIONAL MINING AND LAND COMPANY

is not yet engaged in active operations. The company's property consists of 1,700 acres of phosphate land situated in the 11th and 12th Ranges of the Township of Templeton and in the 3rd Range of Portland East, and was purchased by a syndicate from the Quebec Government in November, 1881, at auction. In January, 1883, the present company was organized and assumed the above title. With the disappearance of the snow last spring prospectors were engaged to thoroughly examine the several locations. The officers of the company state that many valuable deposits of apatite have been discovered and that they have reason to be satisfied with their purchase. They are making preparations to begin mining at an early date, when an opportunity will be afforded to test the extent of the deposits. Mr. Willis P. Hazard and Mr. A. G. Elliot occupy the positions of President and Secretary, respectively, and the Board of Directors is composed of gentlemen of high standing. All the officers are business men of Philadelphia, where the company has its headquarters.

THE DOMINION PHOSPHATE MINING COMPANY,

incorporated under the Canadian Joint Stock Company's Act, is virtually an American organization, with Mr. T. C. Kcefer, of Ottawa, and Mr. A. F. Riddell, of Montreal, Canadian Directors, on a board of seven, the other five being residents of Fanwood, N.J., and Brooklyn, N.Y. The Company's property, situated in the Township of Portland East, is a very valuable one and is being successfully operated by a New York firm of contractors. To put the mine in proper shape for future development a considerable amount of dead work was necessary, the contractors have made an open cut several hundred feet in length, 10 feet wide and 40 feet deep running into the Mountain towards the main body of phosphate, and have crossed several minor veins. They have now reached the objective point and are taking out a large quantity of mineral daily. To make this cutting has required the expenditure of considerable money but now that it is accomplished the advantages it affords will be felt by the contractors in their mining operations hereafter.

THE UNION PHOSPHATE MINING AND LAND COMPANY

has on its Board of Directors men of influence and capital from the principal cities of the United States. New York, Philadelphia, Cincinnati, Detroit, Chicago and Kansas City being all represented. This company is carrying on active mining operations in Portland West, and a full description of its property will be found in another column.

THE "HIGH ROCK" MINE

adjoins that of the "Union" Company and is one of the most productive properties yet developed in the county. It is owned by an English company and has been successfully worked by them during the past three years. Quite 10,000 tons of high grade ore have been shipped from this mine and it continues to yield liberally under the management of Mr. A. McIntosh.

PHOSPHATE MINING.

This comparatively new Canadian industry continues to attract much attention at home and abroad, more particularly in England, France and the United States, and during the past month a number of capitalists and experts from these countries have visited the mines in operation in Ottawa County, and have examined many undeveloped properties, with a view to engaging in what has been proved to be a very profitable investment. Those of them who have devoted sufficient time and patience to make a searching examination of the phosphate bearing district of the county have satisfied themselves that the quantity of apatite, existing in paying deposits, is enormous, far exceeding

anything they had anticipated. That this conclusion is a correct one there can remain no doubt, and it has given rise to careful enquiry into the question of supply and demand. England and Germany have been, and still are, the chief bidders for Canadian mineral phosphate, and in each of these markets a ready sale can be found for a much larger quantity than this country can hope to produce for years to come. In the United States also a considerable quantity has been used, and some small lots have been shipped to Denmark. The experience of shippers heretofore has been that better prices can be procured in Germany and Denmark than in any of the other foreign markets, but the uncertainty of procuring cheap and direct tonnage from the Montreal or Quebec ports to those countries stands as an obstacle to making contracts ahead. Recent advices from London and Liverpool are of a very satisfactory nature and should suffice to counteract the disquietude occasioned in the minds of miners by the discouraging theorizing of the Montreal buyers, the majority of whom are bears, and naturally so. Some of the more extensive operators are having their eyes opened to the fact that they can realize much better prices by shipping direct to the foreign market, wherever it may be, than by dealing with Canadian middle men; others will see the advantage of this, and if the Montreal shippers do not evince a disposition to deal more liberally they will soon have to content themselves with handling small lots, the output of properties in the hands of irresponsible men.

The exports of phosphate from all parts of Canada during the past fiscal year amounted to 17,181 tons, distributed as follows:—Great Britain, 13,197 tons; to the United States, 2,080 tons; to Germany, 1,469 tons; and to Denmark, 435 tons. This year's shipments will be somewhat in excess of those of last year, but were they to be double or five times the quantity it would in no manner effect the current prices abroad.

Quotations.

During the past month there has been no perceptible fluctuation in value of Phosphate, though some sales of small lots have been reported at low figures. Such lots, however, were not guaranteed and were the output of unimportant mines owned and operated by men who had been compelled to realize on almost any terms. Owing to the scarcity of tonnage offering at present from Montreal to Liverpool the local buyers have not been bidding and, though the foreign market continues firm at 1s. 3d. for 80 per cent., shippers are not anxious for consignments.

Fifty thousand dollars' worth of copper ore has been shipped this year from Canada to Great Britain.

Introducing Steam Power.

That phosphate miners in Canada have awakened to the advantages of employing steam power is made apparent by the fact that steam drills and hoists are in use at no less than five of the more important mines in Ottawa County. A fifteen-horse-power boiler, steam-drills and hoists have recently been shipped to one of the mines on the Aux Lièvres River by the manufacturers, Messrs. Millar Bros. & Mitchell, of Montreal, and have been erected under the personal supervision of the senior member of the firm. Everything has the appearance of excellent workmanship and will doubtless perform good work.

Stock Watering Kettles.

At a recent meeting of the Farmers' Club, at Elmira, N. Y., a newly designed kettle for stock-watering purposes was exhibited and highly approved of.

Many of the mining companies of this continent would do well to provide themselves with these useful vessels.—[Ed.]

A Disappointment.

A specimen of Asbestos, of rather an inferior quality, was brought to Ottawa recently by a man who claimed to have discovered a vein on his farm and described it as being of unusually large dimensions. A careful examination of the locality by an expert resulted in no Asbestos of any consequence being met with and the owner of the property could not direct him to the spot from which he professed to have taken the specimen referred to.

HAYCOCK IRON MINES.

The London *Iron Trade Exchange*, in its number of July 7th, publishes in full Mr. R. Howson's report on the Haycock Iron Mine, dated Middlesbro, 21st May, addressed to the Directors of the Ottawa Iron and Steel Manufacturing Company, and says that the report on the Haycock Iron Mines, Timber Limits, etc., which has been specially prepared by Mr. Howson, a well known expert, confirmed as is by other authorities, needs no comments beyond stating that the Ottawa Iron and Steel Company appears to have almost unlimited resources for the production of the best qualities of charcoal steel and iron. Mr. Howson made a personal examination of the various properties of the company in April last and expresses himself satisfied that the representations made in his former reports thereon are of a bona fide character. His report is very complete and intelligent and, in the main, coincides with the most favourable reports of Professor Chapman and Mr. Birkinbine—He enters fully into detail for further operations and concludes his report by stating that he had several interviews with Professor Chapman and Mr. Birkinbine, both of whom