

J. B. HOBSON, Vancouver, manager of the Horse Fly Hydraulic Mining Company (Ltd.), says that there is an abundance of water and all other requisites which should ultimately transform the Cariboo mining district into one of the richest gold producing countries in the world. All that is required is sufficient capital to open up its vast resources.

THE Hastings Mining & Reduction Co. have introduced the Walker & Carter process at the Marmora, Ont., gold mines. By this process the arsenic and sulphur are separated from the quartz first, and in this particular case the arsenic alone is said to pay for expenses of working. The capacity of the mill is 10 tons per day, and the gold realizes an average of \$10 to the ton.

A LITTLE to the north of Bear Lake lies a dry belt of ore of considerable extent, and, if recent reports are to be believed (remarks the *Nelson Miner*), rich as well. Many of the owners in this district are too poor to do much development work, but, judging from the returns received on what shipments have already been made, this will be a wonderful camp when fully developed.

A DITCH is being constructed, ten miles in length, to convey water from Mussel Creek to the mines on Horse Fly River (Cariboo), which are under the management of J. B. Hobson and Mr. Warner. The water will be utilized for hydraulic pressure. Piping 8,300 ft. in length, 30 inches in diameter, has also to be constructed for carrying the water across deep depressions. The contract for this pipe has been awarded.

THE work up to date at the "Silver King" has given most satisfactory results, says the *Nelson Miner*. The main lead has been uncovered at various points for 2,000 feet. Drifting has been done each way from the winze which connects the upper and lower levels, the drifts being in solid ore and about 100 feet long. The greatest depth is obtained about 300 ft. below the surface. The desire is to get the mine in shape for a large force of men as soon as the tramway is constructed.

THE Ophir Gold Mine, Algoma, on the north shore of Lake Huron, has a vein well proved for a depth of 200 feet, and a length of 350 feet. Half the width of this vein is rich ore, assaying \$30 to \$50 per ton. A new mill of 20 stamps, which stamps from 40 to 50 tons per day, has been added to the plant. Henry B. Warren, of Victoria, B.C., an Englishman and a mining engineer of wide experience among the gold mines of Australia, has returned from a visit to this mine. He expresses himself astounded at the result of his investigation, and estimates the value of the gold in the Ophir mine, which consists of what was at one time a vast fissure in the rock, but now filled with untold millions of tons of gold-bearing quartz, at twenty-five million dollars.

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A COMPANY is being formed for the purpose of developing the Hassard coal mine, Souris (Man.) district. The present workings show an eight-foot vein of solid coal. Layers of valuable clay also are said to have been discovered, which will be utilized in the manufacture of bricks and tiles.

T. B. LeBLANC and D. Bourgeois are applying for a mining lease covering about 100 acres at Dover, N. B., where what they take to be a valuable deposit of gold has been discovered. Samples on analysis show \$3.80 worth of gold and 20 cts. of silver to the ton, and the crushing expenses are estimated as small.

THE *Truro Daily News* vividly describes the state of dilapidation in which the Jay's River, N.S., gold mine at present exists. Little now remains of the once complete and fine machinery but the larger articles difficult to remove. The seam of ore which gave a fortune to the first owners of the mine soon became exhausted; but, says the above-named journal, perhaps at some future time "other rich pockets of gold may be found, and the tradition of the mine revived."

## Railway and Marine News.

A NEW fog-alarm station is to be established on Entrance Island, B.C.

THE old bridge at Lock 2, old canal, St. Catharines, Ont., has been pulled down.

OTTAWA City Council have passed a by-law granting \$150,000 for a bridge across the Ottawa River at Nepean Point.

THE Niagara Falls Park and River Railway will probably build a bridge from the Canadian side to Navy Island and thence to the American shore.

At a meeting of the directors of the Coast Railway Company of Nova Scotia, at which Thomas Robertson was elected president and treasurer, it was decided that the location of the road from Yarmouth to Tusket should be commenced immediately.

It is stated that the Windsor & Annapolis Railway Company are endeavoring to obtain control of the steamship line plying between the latter town and St. John.

THE Quebec Board of Trade are discussing the practicability of navigating the St. Lawrence at an earlier and later date in the year than under present arrangements. The opinion was expressed that the Federal Government should grant bonuses to the

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