

&c., which will be available for future working. The main ditch, $4\frac{1}{2}$ miles in length, is capable of delivering 1,000 miner's inches of water per day, at a height of 400 ft. above the lowest level of the gravel bank.

A special feature is that the water rights practically command the water supply of the whole creek.

It is intended that the company shall carry on operations on an extensive scale by enlarging the main ditch to a capacity of 2,000 miner's inches of water per day, and providing a further complete and powerful hydraulic plant of the most approved pattern, which will enable the natural advantages of the property to be utilized to the fullest extent, and the separation of the gold from the gravel to be effected in the most economical manner. It is also intended to erect further electric lighting plant, which can easily be worked by water power, so that operations may be carried on night and day.

Estimates of the cost of efficiently equipping the mine have been prepared for the vendor by Mr. A. K. Beatson, an experienced Californian hydraulic engineer, who has for the last two seasons superintended the workings hitherto carried out.

Mr. Beatson is of opinion that, when the mine is equipped as proposed, at least 4,000 cubic yards of gravel can be treated per day of 24 hours, from which he estimates a net return of gold of at least 12 cents (equal to sixpence) per yard. Such an output, say over 700,000 cubic yards in a working season, at the above estimated yield, should give handsome dividends to the shareholders.

It is well known that hydraulic mining is the cheapest form of mining. No expensive machinery is required, and the operation of extracting the gold involves a comparatively small cost for labor and works. Experience on California mines has proved that gravel yielding only 5 cents of gold (equal to twopence) per cubic yard can be worked at a profit. With the area of gravel to be worked, and with the natural advantages which exist on this property, there appears to be every prospect of a profitable future for the company.

Sufficient working capital has been provided for the necessary machinery and for executing the proposed new works.

In addition to the auriferous gravel banks referred to, it is believed that a "deep lead," or channel, exists at a depth of from 30 to 40 ft. below the present workings, similar to the "deep leads" of California, which have proved to be so phenomenally rich. It is impossible to determine at present the value of the deposit which may be found in such a channel, but it would probably be safe to estimate it as richer than that of the bank now exposed. At a comparatively small cost a shaft could be sunk at a point which has been indicated by Mr. Beatson, and a tunnel run east and west, cross-cutting the channel, from which the "deep lead" gravel could be worked by means of hydraulic elevators, ample power for working which exists on the property. It is intended to prove this "deep lead," as its existence may add largely to the revenue of the company.

There is an abundance of timber on the property available for mining purposes, and labor can be obtained at moderate rates.

The above statements are based upon the report of Mr. J. A. Skerchley, F.R.G.S., C. and M.E., and Mr. Beatson, supplied by the vendor to the directors.

Since the company acquired possession of the property Mr. A. D. Mitchell has been installed as manager and has reported very favorably to the directors thereon.

Operations have already been commenced, having for their object the immediate resumption of working with the existing plant, pending the completion of the additional works.

Kootenay Mine Exploration Co., Ltd., seeks incorporation with a capital of \$200,000, in 40,000 shares of \$5. To carry on mining in the Kootenay district, B.C. Directors: G. Gooderham, Toronto; R. H. Pope, M.P., Village of Cookshire, Que.; T. G. Blackstock, Toronto; J. W. Beatty, Toronto; D. Fasker, Toronto.

The Beatty Gold Dredging and Mining Co., Ltd., seeks incorporation with a capital of \$50,000, in 500 shares of \$100 each for the following purposes: To acquire from M. Beatty & Sons, of Welland, Ont., the lease of the Boston Bar on the Fraser river, near North Bend, in the Province of British Columbia, together with a dredging plant to operate under said lease. To mine for gold and other minerals, and generally to carry on the business of mining for gold and other minerals. Chief place of business in Yale district, B.C. Directors: W. L. Beatty, H. Le G. Beatty, A. O. Beatty, of Welland; H. C. Symmes, Niagara Falls; H. F. McSloy, St. Catharines, Ont.

The Windsor Salt Co., Ltd., seeks incorporation with a capital of \$200,000, in 2,000 shares of \$100, with the following objects:—To mine, manufacture and purchase and sell salt in the Dominion of Canada. Directors: Sir Wm. Van Horne, K.C.M.G., Montreal; E. G. Henderson, Windsor; R. F. Sutherland, Windsor; John Morrow, Montreal; Jas. Sutherland, Montreal.

Ontario Miners' Development Co., Ltd., has been incorporated. Authorized capital, \$150,000, in shares of \$5. Directors: James Connell and G. O. Clavette, Port Arthur; John Flets, Hume B. Proudfoot, A. Wilson and J. Van Sommer, Toronto; H. N. Kitson, Hamilton, Ont. Head office: Toronto. Formed to acquire and work mineral lands and mines in Ontario.

Wallaceburg Gas and Oil Co., Ltd., has been incorporated with an authorized capital of \$40,000, in shares of \$50 each, to bore for natural gas and petroleum in Ontario. The operations of the company are to be carried on in the townships of Dover, Chatham Sombra and the town of Wallaceburg. Directors: D. A. Gordon, John Cooper and J. W. Steinhoff.

Dominion Gold Mining & Reduction Co.—At special meetings of shareholders of the Company, held on the 21st ulto, the resolutions for converting the priority shares into ordinary, and increasing the capital, passed at meetings on the 4th ulto, were confirmed.

The London and British Columbia Goldfields, Ltd., was registered on the 16th ulto., with a capital of £200,000 in £1 shares (£2,500 being deferred shares), to deal with mining, land and other properties in British Columbia and elsewhere.

Seine River Gold Mines Co., Ltd., has been registered in London Eng. with an authorized capital of £100,000, in shares of £1, to acquire and work the Kelly-Mosher gold claims in the Remy Lake district, Ont. Development is proceeding.

American Gold Mining Company is the name of a new syndicate formed to acquire and work the Swede Boys claim on Mantou Lake, Ontario. The property comprises location H. P. 304, 384 and 385, and contains about 250 acres.

Byron N. White Co.—This Company operating the Silver Star, silver-lead mine in the Kootenay district, B.C., is reported to have recently paid a cash dividend of \$100,000, or 10 cents per share on its stock of 1,000,000. This represents only the cash put aside from the winter's work, and does not represent the entire profit of the mine during the period mentioned. Nearly \$125,000 was expended from the profits in building the concentrator, just put in operation, and in other improvements. The mine is now at work filling a contract with the Omaha & Grant smelter, calling for 1,500 tons per month for a period of 8 months. From the *Spokesman Review* we take the following: "The Slocan Star is one of the most remarkable mines in the northwest. When the property came into the hands of Mr. White it was scarcely more than a prospect, but developed wonderfully in a short space of time until now it is probably the biggest producer of silver-lead in North America. With the present workings there is now not less than \$3,000,000 in sight, besides 20,000 tons of ore on the dump awaiting concentration. The management of the mine has been most conservative, and but few of the plans have reached the public. Since starting in with regular shipments about two years ago the Company has shipped 10,000,000 pounds of lead and 5,000,000 ounces of silver. It was only recently that the Company contracted to deliver 1500 tons of ore and concentrates each month to the Omaha & Grant smelters at Pueblo, Col., for the eight months commencing May 1. As this product will run \$100 a ton, this contract alone means \$1,200,000 at a conservative estimate.

War Eagle Gold Mining Co.—At a meeting of the shareholders of the War Eagle Mining Company held this month at its Spokane office the trustees appointed the following gentlemen as officers for the ensuing year: Patrick Clark, president; John A. Finch, vice-president; F. E. Lucas, secretary, and Austin Corbin, treasurer. At this meeting an agreement was entered into with D. C. Corbin whereby he holds an option on the property at a stipulated price of \$800,000. The terms of this agreement are as follows: Mr. Corbin is to pay \$800,000 in six equal payments, the first to be made on or before June 18th. He is also to erect a smelter to cost not less than \$100,000 and to expend the sum \$100,000 in improvements and developing the mine. Mr. Corbin also agrees to form a new company and give to the present owners one-fifth of the shares of the new concern. If the first payment is not made by June 18th the option is void.

Considering that the present company paid about \$30,000 for a group of claims—any one of which is of equal value with the War Eagle, the present deal is certainly the largest that has thus far taken place in Trail Creek.

MINING IN BRITISH COLUMBIA.

(From our Correspondents.)

Trail Creek District.

The details of the deal clearing up the title to the Gray Eagle, Exchequer and Kruger claims, situated on the Colville reservation, just across the international boundary line in the neighboring state of Washington, are now at hand. These claims cover ground also claimed by the Reservation Mining and Milling Co. Peter Porter, in the interest of a Roseland syndicate, first obtained an option on the controlling interest of the stock of this company, and then set to work to buy out the titles of the above mentioned claims. Their title hinged on Judge Hanford's decision declaring that the reservation has been open to mineral entry since 1892. The holders of the Exchequer and other claims did not make their locations until after the passage of the bill declaring the reservation open last February. Mr. Porter has succeeded in obtaining a nine months' bond for \$40,000 on this group. Ten per cent. of this money was paid down; \$16,000 more will be paid in four months' time, while the balance comes due next March. By this deal Mr. Porter has cleared away all obstacles to the rapid development of what is considered by expert mining men to be the best piece of property yet found on the reservation. The ledge is a mammoth one and has a colossal outcrop. The ore is an iron, copper and lead sulphide, and at places shows up fully six feet of high grade silver ore. The combined values of the lead, gold, silver and copper in the clean ore streak will average \$100 per ton. At present miners are at work in a crosscut tunnel that will cut the vein diagonally at a depth of 300 feet. This tunnel is now in 60 feet. It will require to be driven 300 feet further before the true extent of the vein can be accurately determined. Mr. Porter says that a contract for this work will be let in a few days, and that three shifts, of eight hours each, will be put on.

The View, which adjoins the St. Elmo and Con. St. Elmo on the north, has just been sold to the British Columbia syndicate for \$6,000 cash. Messrs. John A. Finch and Newton Campbell were the vendors. This claim prospects very well on the surface, and shows up considerable ore of a very fair grade. Its is the intention of the new owners to begin development work at once.

The Iron Dyke and Granite No. 2 are two claims that have just been taken up by the syndicate subscription plan in Spokane. The claims are situated two miles east of Roseland, and are on the line of the Trail Creek wagon road. The line of the Columbia River and Western Ry. cuts through the claims, as also does the survey of the projected C. P. R. line from Roseland to Robson. They are both full claims. On the Iron Dyke there is a vein with a large outcrop. It has the usual north-east and south-west course of all the principal sulphide ore veins of the camp, with a decided dip to the north. The capping has been broken through in places and shows a streak of iron sulphide ore in a quartz gangue. Assays from this ore have given a gold value of \$7 per ton. On the Granite there is a white quartz vein running nearly north and south, in which there is considerable galena and some free gold present. Very little work has been done on either claim, but they certainly show exceptional promise.

The new machinery, lately ordered from the Ingersoll Rock Drill Co., by the Josie company, has arrived at the mine, is in place, and running to perfection. Two air drills are already at work in the mine, one in the face of the main tunnel, the other on the stopes. The showing in the breast of the tunnel is reported to be a mass of solid sulphide ore, of the best value of any ore yet extracted. The showing in the shaft on the north vein continues excellent, there being fully five feet of solid high grade ore. The old shaft at the mouth of the tunnel has been pumped out. This shaft is down 45 feet, and has a fine showing. Within the next few days a "slugger" drill will be put to work on this shaft, and work will be kept up night and day. The daily shipments from the mine have been increased slightly, though the execrable state of the roads caused by the recent rains is seriously hindering large shipments.