

about 300 tons have been sent from this ledge to the smelter. The management says it goes about \$20 to the ton in gold and a small quantity of silver. The other vein on which so much work has been done is thought to be a branch of this main ledge. The smaller vein is from three to five feet in width and there are a great many thousand tons of ore in it. It also carries shipping values throughout.

DEER PARK.

The surface find on the Deer Park continues to be the subject of a great deal of discussion. It is admitted on all sides that if it is as good at depth as it appears for the short distance it has been explored, it will make the Deer Park a mine of importance. The management was seen Tuesday and the following particulars concerning the find were obtained: The find is located south and down the hill from the main workings. Up to the present enough work has not been done to determine the true dip of the ledge, but every indication shows that it dips into the hill at an angle of about 45 degrees. The south drift at the 300-foot level has been surveyed, and is being extended so as to tap the new find at depth, which will be approximately at 230 feet. It will have to be extended about 250 feet before it comes directly under the present workings, but if the dip is as it appears into the hill, it will meet the new find at considerably less distance. The new lead has no connection whatever with the old workings, and the character of the ore is quite different in that the old ore carried no copper, and was not the characteristic ore of the shipping mines of the camp. The old workings were confined chiefly to a big hornblende dyke, and what values were found were in the clear quartz which were badly mixed with the hornblende. The ore from the new find is essentially characteristic of the shipping ore of the camp, and carries good copper and gold values and some silver. The gangue is a very fine silicious quartz. As to the width of the vein, this has not yet been determined, as neither foot nor hanging wall have as yet been encountered. In the cut, which is 20 feet in width, there is no sign of either wall. This cut has now reached a depth of 15 feet. A machine drill has been working on the new find since Saturday, and as the depth is obtained, the ore is improving. The intention of the management is to sink a perpendicular shaft and at the same time to extend the south drift on the 300-foot level so as to meet the ledge. The management further states that a great deal of the ore is of a shipping grade, and that the find has all the earmarks of a big ore shoot that promises to make the Deer Park a property of more than ordinary importance. Heretofore the values in the old workings have been in small bunches, but now appear evenly distributed throughout the new workings. Good assays have been obtained from the different cuts and prospecting shafts for some distance from where the discovery was made. If the find turns out as well as anticipated, the discovery of this ore shoot will have a beneficial effect on the camp in general, and on the south belt in particular. It will result in the commencement of work on a number of properties in the vicinity of the Deer Park and in a renewed interest being taken in other prospects in the south belt which are now lying neglected.

PACIFIC COAST MINES.

Vancouver, B.C., Sept. 24.—What with the Dorothy Morton Mine turning \$12,000 per month and the Van Anda, Douglas Pine and others doing well, the coast mines continue to attract attention. The report of Athabasca mill run for the month ending Sept. 17 is as follows: Time of run, 30 days and 12 hours; number of tons crushed 430½; value of bullion recovered, 6,946.88; gross value of concentrates, \$2,077.33; total re-

covered, \$9,024.21. The value of the bullion recovered per ton of ore is \$16.13; gross value of concentrates, \$2,077.33; total re-values per ton, \$20.80.

Aggr. Crick weighing 383 ounces is at the Bank of British North America. It came from the Bendor in Bridge River district. Its value is \$8,804. It represents the result of crushing 400 tons of ore. The Bendor Company has secured the Mabel Fraktion, which adjoins the property, and through which the river is supposed to run. It has also bonded the well known Lorne property, which is situated in the near vicinity.

The mines tributary to Rossland, Nelson, Ymir, Ainsworth, Kalso and Sandon shipped an aggregate of 7,000 tons for the week ending Saturday, the 10th. The ore was worth \$165,000.

Big strikes of ore have been the order in the Slocan, the Payne being credited with four feet in the No. 5 tunnel. The Madison, also in No. 5 workings, shows four feet of galena assaying over 500 ounces and a promising body also shows on the Sunshine.

The Hall mines, Limited, have given out the following official figures, showing the results of the company's smelting operations during a period of 28 days ended September 1st: Copper smelting, 4,115 tons of Silver King ore from the company's mine and 52 tons of purchase ore were smelted, containing (approximately) from Silver ore 79 tons copper, 51,720 ounces silver, 32 ounces gold; from purchased ore, etc., 9 tons copper, 8,270 ounces silver, 135 ounces gold.

REPUBLIC DIRECTORS MEET.

At a meeting of the directors of the Republic Consolidated Gold Mining Company, held at the office of the company in Montreal, there were present: Patrick Clark, president; Robert Jaffray, vice-president; A. A. Ayer and Clarence J. McCuaig. It was decided to increase the capacity of the present mill from 50 tons to 100 tons per day immediately. Major R. G. Edwards Leckie, the general manager of the company, reported that since April 1st 10,000 tons of ore have been stoped from the main ore chute. Over half of this ore has been put through the mill and the balance placed on the dump the approximate value of which at the present time amounts to \$200,000. Between Nos. 1 and 3 levels a block of ore has been recently encountered, which gives excellent returns, an average sample taken across six feet in one place assaying over \$695 per ton. In the bottom of the winze, which has been sunk fifty feet below No. 3 level, the lowest level in the mine, drifting has been started north and south in the vein, and the faces of both the drifts are all in ore. The fact that the vein has been found at this point to be strong, wide, and carrying good values in this the lowest working in the mine, is a source of congratulation to the company and augurs well for a good strike when the vein is cut by No. 4 cross-cut tunnel 150 feet deeper. No. 4 tunnel is being pushed rapidly ahead at the rate of twelve feet a day. This is remarkable work for a single machine, and is unequalled anywhere in the country. It is now in about 1800 feet from the mouth of the tunnel, and there is approximately 500 feet further to drift before cutting the vein. It is expected to reach this about the latter end of October, and from all indications the vein should be wide and strong at that point.

A MADISON STRIKE.

Word was received by Messrs. McCuaig, Rykert & Co. on Saturday of a rich strike on the Argenta claim. The shaft working in No. 5 tunnel met the ore chute showing on the upper tunnel. Further work has shown four feet of shipping ore that will average very high, carrying native silver. The Madison is worked by tunnels run in on the ledge, No. 5. The lowest is now in

300 feet, and where the strike was made, gives a depth of a little over 200 feet. In the upper tunnel the ore chute shows for 60 feet along the vein, but is not as wide as in No. 6. As the ore body was encountered 50 feet earlier than was expected, it is believed that the chute is lengthening as well as becoming wider. The strike, it is stated, proves conclusively the value of the Madison. The Slocan Sovereign Mines Company, the owners, already have value in sight far in excess of their outlay.

Advices have also been received that the contractors in No. 5 tunnel at the Payne mine recently encountered a chute of ore that shows four feet, of clean galena on the face, which is one of the best showings yet found.

OKANAGAN.

This stock has declared a dividend of 1 cent per share, or 5 p.c. on the capital stock which is \$80,000. The dividend just declared amounts to \$4,000. This is a mine.

PAY ROLL OF REPUBLIC.

The Republic camp is a town now as well as a camp. Two hundred and fifty children will attend the Republic school this year. It has well passed through the rough period when an appropriate name might be the Roaring camp. Many of the 417 miners having their wives and children with them have made comfortable homes for themselves, and being uninfluenced by mine managers, are free to spend earnings where and how they please. These earnings are \$3.50 per shift for each ordinary miner, \$2 for each machine miner, \$4.50 for each black smith, \$5 for each all round mechanic. Distributed without restriction from managers, an evil too often seen, these earnings are making business generally prosper. Merchants and restaurateurs in Republic are doing well. The pay roll of this camp and city will give some idea supplementary to the reports of output of ore, etc., of its business activity. The pay roll per day is \$1560, or per month \$45,000, or per year, \$540,000.

NORTH STAR RAILWAY.

As soon as the new C.P.R. branch line from Cranbrooke, B.C., to the North Star mine, is completed, which is expected to be next month, shipments from the mine will be commenced to the Trail smelter.

THE DUFFERIN MILL.

News has been received from the Dufferin mine in Nova Scotia, which is owned by the Montreal and London Company, that the 60-stamp mill has been completed and that the whole battery will be in operation before the end of October.

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