

hopelessly irregular. The ground is full of slips, and the ore values change from high grade to low in the most erratic manner, as you will see by reference to the plan. The ore here is twisted round in precisely the same manner as in the drift to the east of it, and, like it, is lying very flat."

**ABE LINCOLN (ROSSLAND).**—The directors of the Abe Lincoln Company, principally Chicago people, are making an effort to interest fresh capital through the sale of treasury stock, proposing with funds thus secured to resume operations at the mine. In the event of success attending the effort to replenish the treasury, it is understood the drift at the 200 level will be continued to the south for the purpose of intersecting the vein outcropping near the south line of the claim, toward which a drift 275 feet wide has been run. The drift will also be extended north from the main shaft, where what is claimed to be an encouraging showing was secured just before work was suspended last June.

**BOSUN MINE (SLOCAN).**—Telegram from the manager reports 60 tons galena and 60 tons zinc shipped during the month of May.

**TYEE COPPER (MT. SICKER).**—The following circular has been issued: "Smelter—A cable received to-day gives results of smelting during the month of May as follows: Ore smelted, 4,717 tons; matte produced, 616 tons; gross value of contents (copper, silver and gold), less costs of refining, \$64,550. (April smelting equals \$60,313.) "Mine—Cable advice received to-day states that the new ore body referred to in circular of 4th ult. has been struck at the 165-foot level, and proved by crosscutting to be 30 feet wide, and has an average assay of copper 7.8 per cent.; silver, 3.66 ozs. per ton; and gold, 0.83 ozs. per ton of 2,000 lbs."

**TYEE SMELTER.**—After a successful run of over three months, during which time the smelter did not stop, it has closed down to clean boilers, water jackets and generally overhaul the machinery, and allow the ore on the roast piles to accumulate for another and longer run. A second cage has been installed at the mine, so that the ore shipments from the mine in future will be fully up to the capacity of the smelter. It is understood that the smelter company has signed a contract with the lessee of the Van Anda mine for its entire product, and that shipments of this ore will be commenced within two or three weeks.

**GIANT (ROSSLAND).**—Operations have been resumed at the Giant, it being proposed to ship the ore accumulations amounting to sixty or seventy tons, and continue shipments at the rate of about ten tons a day.

**ORO DENORA (BOUNDARY).**—This company recently purchased the Iron Dollar claim adjoining its property on the south.

**PORTLAND (ASPEN GROVE).**—Stripping on the Portland, Aspen Grove, which has been carried on since the work was stopped in the shaft through an influx of water, is said to have resulted in the exposure of an immense body of copper ore, over 80 feet in width and of similar character to that on which the shaft was sunk.

**ATLIN M. Co. (YMIK).**—The carload of ore shipped recently by this company to the Hall Mines smelter gave returns of \$31 a ton.

**WILCOX (YMIK).**—An adjourned meeting of the Broken Hill Mining & Development Company, owning the Wilcox group, was held in June. The accounts show a satisfactory cash balance in hand, it being also stated that operations are being carried on at a profit.

The figures for the last run of the Wilcox (Ymir) mines are as follows: During eighteen days' work in which about 250 tons of ore were crushed, a gold brick weighing a little over 200 ounces has been produced, and about a carload of concentrates assaying about \$45 a ton. A further carload of concentrates is also on hand from the previous run. In spite of these good returns, the Superintendent states that the ore handled during this run was by no means the highest grade of mill stuff.

**LE ROL.**—Cable returns for May:—"Shipped from the mine to Northport smelter during May, 1903, 10,665 tons of ore, containing 4,715 ozs. of gold, 5,091 ozs. of silver, and

236,900 lbs. of copper. Estimated profit on this ore, \$14,500."

**DUNDEE.**—The directors of the Dundee Gold Mining Company have issued a pamphlet to the shareholders outlining the company's position in respect to finances and suggesting means whereby a better condition of affairs can be brought about. Their proposal is to issue 8 per cent. debentures to the amount of \$40,000 and with the funds thus secured to wipe out the mortgage of \$30,000 on the company's property and to arrange other liabilities.

**SLOUGH CREEK MINES.**—The second confirmatory meeting of Slough Creek, Limited, was held in London last month, at which it was stated that the reconstruction would go through without delay. A report from the manager stated that the continuation of the main tunnel 140 feet further had been completed, and the upraise had been commenced, so that news is now daily expected of having got into the gravel at bedrock.

**RAMBLER-CARIBOO.**—Seventy men are now being employed at this mine. The recent strike in the lowest level has just been unwatered and miners put to work further opening it up, and will materially assist to increase the mine shipments, which with mill now running amounts to about 500 tons a month. The compressor is being removed further down the hill where more water is available to generate more power.

**WATERLOO (CAMP MCKINNEY).**—Sinking is in progress and some good ore is said to have been encountered. The mill, which has been entirely refitted, is in steady operation.

## CIRCULARS AND CATALOGUES.

### THE CARD CONCENTRATOR.

**THE** Hendrie & Bolthoff Mfg. & Supply Co. of Denver, Colorado, sole manufacturers and sales agents of the Card Concentrating Table issue a comprehensive pamphlet descriptive of the merits of the device. The Card Concentrator is designed on the same principle as that of the Rittenger table, with, however, important modifications and improvements. Thus longitudinal channels having the same cross-section as the ordinary gold pan have been substituted for "riffles," these channels being so constructed as to widen and deepen for a portion of their lengths and then to narrow and shoal towards the end of the table over which the concentrates are discharged, the whole surface performing all the functions claimed for riffles in a far more effective manner. There is also an improved mechanical movement, or "head motion" combining very simply the differentials as to time and velocities. A further noteworthy improvement is the arrangement diagonally of adjustable baffle-buttons upon the plane surface intervening between the channels. The pamphlet may be obtained direct from the manufacturers of the appliance.

### THE WATER LEYNER ROCK DRILL.

This drill, which has now been in practical use for five years, is well described in an illustrated booklet published by the J. Geo. Leyner Engineering Works Co., of Denver. The new model 5A Water Leyner is stated to have withstood every conceivable test.

### "PUMP DATA."

This is the title of two circulars issued by the Allentown Rolling Mills, Allentown, Pa., descriptive of the Aldrich Quintuplex Electric Pump.

### ELECTRICITY IN MINING.

The Westinghouse Electric & Manufacturing Co. have made in the issue of this little work dealing with the appliances of electricity to all classes of mining, a useful addition to their series of industrial publications.

### REYNOLDS CORLISS ENGINES.

The Allis-Chalmers Company send out a printed partial list of users of the Reynolds Corliss Engines. The number of these is truly legion, for the names fill upwards of two hundred printed pages, 4½x6 inches.

### STEEL WHEEL BARROWS.

The Archer Iron Works, Chicago, Ill., have issued a new catalogue and price list of steel wheel barrows.