

runs a vein that has been crosscut in four places. This vein is being opened up and the first work the mill will do will be on ore now being taken out in the course of development.

## CARIBOO.

Earlier reports of the favourable outlook for the deep placer and the big hydraulic mines of Cariboo are being confirmed by results. The output of gold from the district for July, says the Kamloops *Inland Sentinel*, shows an increase of more than \$38,000 as compared with the corresponding month of last year. For July, 1903 the output was \$63,198.60 while the total for July of this year was \$101,280.15. Nearly half this increase was contributed by the Consolidated Cariboo Hydraulic mine, which sent out about \$63,000, the result of its first clean-up this season as against \$45,453.60 its total output for all last season. Apart from this big mine the general output for this district has already more than doubled last year's production from all other sources in the district. Cariboo will probably have a larger total production this season than for several years past.

## ATLIN.

A. E. Larson, who is working a lay on the American Mining Company's property, on McKee Creek, is reported to have picked up a nugget of gold weighing 44 ozs. 11 dwts.

## THE COAST.

The Cascade Copper Mining Company last month shipped about 150 tons of copper ore from its Cascade mine, situated on Uchucklesit Harbour, west coast of Vancouver Island, to the Tacoma smelter. It is stated that the smelter returns were \$22.40 per ton after the deduction of smelting charges. To facilitate the shipment of ore a gravity tramway has been constructed at the mine, running from the mine workings about 600 feet down to salt water. It is proposed to sink a shaft 100 feet before shipping any more ore.

Ore from the Marble Bay mine, Texada Island, has lately been shipped to the Tyee Copper Company's smelter. Heretofore the whole of the product of this mine, the most important on Texada, has been sent to Tacoma.

## TRADE NOTES, CIRCULARS AND CATALOGUES.

**T**HE Canadian Westinghouse Company, Limited, of Hamilton, Ontario, recently closed a contract to furnish the Shawnigan Water & Power Company, Shawnigan Falls, Quebec, with a 6600-k.w., two-phase, 2200-volt, 3600 alternations, 180-r.p.e. rotating field alternator, for direct connections with water wheel. Two 2200-k.w. oil-insulated water cooled transformers, 2200-volt primary, 50,000-volt secondary, are included in the contract.

Messrs. Hadfield's Steel Foundry Co., Ltd., Sheffield, England, have received an order for ten of their large gyratory crushers, size "T," having a combined capacity of 750-1000 tons per hour, which are all intended for one plant of the Premier (Transvaal) Diamond Mining Company.

The Jeffrey Mfg. Co., of Columbus, Ohio, U.S.A., have profusely illustrated in their new Catalogue No. 67a their "Century" Rubber Belt Conveyors, which are designed to carry coal as well as ores, broken stone, sand, gravel, etc., and can be furnished to convey material to almost any distance. The sectional conveyors illustrated are manufactured under the Anderson patents, while many of the other devices shown are protected by patents. This company also send us a copy of their instructions for the care and operation of Direct Current Electric Generators of their manufacture. This bulletin (No. 9) should be secured by all those who are in any way responsible for the successful operation of generators.

The Kimplen Crusher & Pulverizer Co. of Chicago, U.S.A., after 50 years of experience in manufacturing crushers and pulverizers of nearly all kinds, have endeavoured to design a machine that will meet all requirements, both in strength and capacity, as well as durability. A sample of Wisconsin granite sent us, reduced by one of the Kimplen Ore Crushers, once through, demonstrates what a thoroughly high-grade, up-to-date machine Mr. Kimplen has designed and manufactured. All interested in their machines, may have a

reasonable amount of material "worked up," provided the expense of transporting the material to and from the machine is covered by those desiring demonstration.

The "Little Wonder" Air Hammer Rock Drill, attention to which has been brought in an advertisement in this issue, has met with great success by the Meramec Quarry Co., St. Louis, Mo., who found it to be the most satisfactory drill they ever operated in hard limestones. Its simplicity commends it strongly and all that is necessary to keep it going is the sharpening of drills. Any boy can work it, and it is not hard or tiresome on the operator. It is known to have drilled eight inches through limestone in four minutes time, but in quartz or granite it could not drill as rapidly.

The Wetherill Separating Co., New York, N.Y., have on exhibition at the Universal Exposition, St. Louis, 1904, in the Mines and Metallurgy Building, New York State space (Block 21): Type "E" No. 3, separating magnetite from horn-blende and apatite; North Carolina Geological Survey space: Type "E" No. 1a, separating monazite from garnets and gangue.

## COMPANY NOTES / ND CABLES.

## LE ROI, (ROSSLAND.)

The following are the July returns cabled to the London office of the Company from Rossland: "Shipped from the mine to the Northport smelter during the past month 6,522 tons of specially-selected ore, containing 3,263 oz. of gold, 3,067 oz. of silver, 173,700 lb. of copper. Estimated profit on this ore, after deducting cost of mining, smelting, realisation, and depreciation, \$21,500. Expenditure on development work during the month, \$5,000; concentration, \$2,250."

## ARLINGTON (ERIE.)

The Hastings (British Columbia) Exploration Syndicate, Ltd., sends advice as follows: "During the month of July smelter returns from five carloads of ore were received, amounting to \$4110.84. The total expenses for the month, including development, were \$3343.45. During the month 143 feet of development work were done."

## TYEE COPPER CO. (LADYSMITH, V. I.)

"During July the smelter ran 17 days, smelting 3,625 tons of Tyee ore, giving a return after deduction of freight and refining charges of \$48,878. Shortness of run was due to necessity for repairs to aerial tramway from mine to railway."

## HALL M. &amp; S. CO. (NELSON.)

A statement of lead ore receipts at the Hall Mining & Smelting Company's smelter, Nelson, during twelve months ended June 30, last, has been published. It shows that 16,677 tons were received and that the lead contents totalled 14,042,688 lbs. The Highland mine, Ainsworth shipped 3,574 tons from which 4,941,075 lbs. of lead were obtained. Other large shippers were: Rambler-Cariboo, (Slocan), 1,913 tons, containing 1,501,202 lbs. of lead; North Star (East Kootenay), 1,154 tons, 931,704 lbs. lead; St. Eugene (East Kootenay), 1,036 tons, with 1,392,220 lbs. lead; Ruth (Slocan), 928 tons, with 998,759 lbs. lead, and Reco (Slocan), 576 tons, with 508,436 lbs. lead. These ores all contained silver besides.

## FLATHEAD VALLEY OIL LANDS DEVELOPMENT COMPANY.

**T**HE prospectus of this company, which has been formed in Victoria for the purpose of acquiring prospecting licences, prospecting for oil, and buying and selling oil lands in the Flathead River Valley, South-east Kootenay, has been advertised, and it is stated that sufficient stock has already been sold to allow of the company proceeding to carry out the objects for which it has been organized. At a meeting of the directors held in Victoria on August 17 options of six sections each of an area of 640 acres were exercised and the lands transferred to the company. These were acquired on more favourable terms than are now obtainable owing to competition among prospective purchasers, of whom quite a number are from cities south of the Inter-