

pared for the San Francisco meeting of the American Institute of Mining Engineers held in September, 1915, an abstract of which paper was printed in the Canadian Mining Journal of July 15, 1915, pp. 440-43, stated that those enlargements increased the total smelting capacity of the three furnaces to 2,400 tons a day. In his introductory comments Mr. Brunton said that this smelting plant "is of special interest to metallurgists for several reasons. It was successfully smelting in blast furnaces the lowest grade copper ore of all plants in America. In order to do so, it had to be run at very high efficiency, which necessarily required a large tonnage per square foot of hearth area, together with the minimum amount of labor and other costs. The furnaces smelted daily 2,250 tons of ore (6.62 tons per square foot of hearth area), containing 0.85 per cent. of copper, at a smelting cost of \$1.18 a ton. The entire plant required 130 men to operate it and keep up repairs, showing a labor efficiency of about 17.5 tons per man per day."

#### General Notes.

The incorporation of the **Wild Horse Creek Placer Gold Mining Co., Ltd.**, with an authorized capital of \$100,000 in 1,000,000 shares, par value 10c each, has been gazetted. It is probable the scene of this company's operations will be on Wild Horse Creek, Fort Steele division of East Kootenay. A mining bulletin, published some time ago by the Provincial Government, gave brief information concerning that placer-gold field, as follows: "The commencement of mining operations in the East Kootenay district dates from 1864, when discoveries of rich alluvial gold deposits were made on Wild Horse creek, which flows into Kootenay river at Fort Steele. It is officially estimated that ordinary claims on two miles of this creek yielded from \$20 to \$30 to the man per day, and that from 1864 to 1866 five thousand persons were engaged in placer mining in East Kootenay. By the close of 1866 the locality was largely abandoned, except by Chinese, although in the early nineties the old workings have been operated by hydraulic methods." Under the heading "Fifty Years Ago To-day" the Daily Colonist, of Victoria, on December 18, 1914, reprinted from its early issue the following: "Kootenay Mines.—Mr. Fred White, the well known Cariboo packer, arrived here yesterday from the Kootenay mines. He states that some of the mines have taken out \$15,000 a month. It is expected that a large rush from California and the Boise, Idaho, mines will come in the spring." There has been more or less placer-mining on Wild Horse Creek ever since, and last year there was more gold reported to have been recovered than for a number of previous years.

The Trail "News" lately published the information that it is reported that requirements of **siliceous ore for its new copper converters** have caused the management of the Consolidated Mining and Smelting Co.'s smelter at Trail to contract with the West Hill Company, which recently took over the San Poll mine at Republic, Washington, under a lease and bond from the receiver, for 200 tons a month, at a freight and treatment rate of \$4 a ton, which is the lowest rate ever yet accorded Republic ores.

The erection of mine buildings for the accommodation of employees has been undertaken at the property in Ashcroft mining division, of the Highland Valley Mining and Development Company. Mr. Frederic Keffer is president of the company and Mr. Henry Johns secretary. Both were for a number of years with the British Columbia Copper Co. The ore

occurring in the mine assays on an average 3 per cent. copper and about 60 cents in gold and silver to the ton. A concentrating plant is to be put in shortly.

#### DOMES EXTENSION.

According to Mr. W. S. Edwards, president of Dome Extension, Domes Mines, Ltd., has taken an option on Dome Extension property and assets, lasting until October 15th, 1917. The option has been sanctioned by the directorate of each company, but will have to be ratified by the shareholders of Dome Extension and a meeting of the shareholders will be held in the near future for this purpose.

The basis of the exchange is 46,000 shares of Dome Mines' stock for the 2,300,000 issued shares of Dome Extension, or 50 shares of the latter for 1 of Big Dome.

The Big Dome are permitted to diamond drill or do such work as they deem necessary during the tenure of their option, while the Dome Extension reserve the right to go on developing the property as heretofore, providing it does not interfere with the work of the Dome. The Dome management proposes to drive east from their No. 3 shaft on the 850-ft. level into Dome Extension territory, which will probably enter the latter at the 900-ft. level owing to the difference in elevation.

At the present time Captain Anchor is directing operations for Dome Extension on the 100 and 200-ft. levels. The work is being carried on with the money received from the recent sale of treasury stock.

#### DRILLING AT FLIN FLON LAKE.

Sudbury, April 1.—The diamond drills on the Great West Sulphide Mines at Flin Flon were put in operation early last week, and the first core of the drilling was brought to The Pas on Sunday. Mr. Hammell brought the core in and he is greatly enthused about it. Mr. Durkee, the drill contractor, returned with him and his enthusiasm knows no limit. He says it is a remarkable looking sight to see an orebody stripped in width for 200 ft. and every foot showing solid ore. He very earnestly recounted the features as they appeared to him, and he declares he will stake his reputation on the favorable outcome of the drilling. Night and day shifts are being worked on the diamond drills and more men will be placed to work as they are secured. It is a rush order and minutes are valuable to the workers.

Mr. Hammell feels satisfied with the way things are moving. He leaves the property in charge of three mining engineers, with instructions to push development along at a rapid pace.—Sudbury Journal.

#### SILVER PRICES.

|       |         | New York, London, |        |
|-------|---------|-------------------|--------|
|       |         | cents.            | pence. |
| March | 24..... | 60¾               | 28½    |
| "     | 25..... | 60½               | 28½    |
| "     | 27..... | 59¾               | 28½    |
| "     | 28..... | 60¼               | 28½    |
| "     | 29..... | 60½               | 28½    |
| "     | 30..... | 60¾               | 28½    |
| "     | 31..... | 60¾               | 28½    |
| April | 1.....  | 60¾               | 29     |
| "     | 3.....  | 61¾               | 29¾    |
| "     | 4.....  | 61¾               | 29¾    |
| "     | 5.....  | 61¾               | 29¾    |
| "     | 6.....  | 61¾               | ....   |
| "     | 7.....  | 61¾               | 29¾    |