

this mine except about 200 tons sent to smelters for test purposes.

Tonnage sent out during 1900 was as follows:

	Tons.
To September . . . . .	200
During October . . . . .	1,140
During November . . . . .	2,124
During December . . . . .	2,100
Total . . . . .	5,564

Installation of a 35-drill air compressor at this mine is practically completed and a large hoisting engine is now being put in. The output of ore will shortly be increased to 300 tons per day.

There are several other mines in the Boundary District which during 1900 together shipped about 10,000 tons of ore, but as they are not maintaining shipments regularly the details given last month are not here. There were other properties pursuing a vigorous policy of development and four or five of these are preparing for a continuous output of ore, to commence in the ensuing spring or summer. It

may be well to explain how the discrepancy between the tonnage of the three producing properties as given now and that given last month occurred. Relying upon the assurances received that the cars averaged 30 tons of ore each, last month's estimates were made up. This month the actual weights as received from the smelter are shown. The difference is not very large, but for the sake of accuracy attention is now directed to it. The estimated tonnage, as published last month was:

	Tons.
Old Ironsides and Knob Hill group . . . . .	69,600
B. C. . . . .	18,500
Mother Lode . . . . .	5,000
Total . . . . .	93,100

The actual tonnage, as since ascertained, was:

	Tons.
Old Ironsides and Knob Hill group . . . . .	64,535
B. C. . . . .	19,352
Mother Lode . . . . .	5,564
Total . . . . .	89,451

A similar explanation to that given above will account for the difference between the total of the quantity of ore smelted in the Boundary District during 1900, as estimated and published in last month's RECORD and that given below. The first furnace of the Granby Consolidated Mining and Smelting Company's smelter, situate at Grand Forks, was blown in on October 13th. Both have been running continuously ever since and up to January 1st instant had treated 62,387 tons of ore as under. In noting the increase for October and two following months it will of course be borne in mind that for nearly eight weeks there was only one furnace running and therefore two were in operation during the remainder of

the period under review. The quantity of ore smelted during the several months was:

	Tons.
During August (11 days) . . . . .	2,902
" September . . . . .	8,753
" October . . . . .	14,215
" November . . . . .	18,050
" December . . . . .	18,467
Total . . . . .	62,387

The total output of matte for that period was 2,200 tons. This matte averaged 51.6 per cent. copper, with additional values in gold and silver, but to what amount the company is not disposed to make public.

It will be of interest to have the following definite assurance regarding the proposed increase of plant at the Granby Company's smelter. It is intended to double the furnace capacity and to put in a converter, and negotiations to that end are now in progress. The company expect to break ground for the new improvements in the early spring. The superintendent, Mr. A. B. W. Hodges, will leave Grand Forks for Chicago during the first part of February to make the final arrangements for the machinery and to let contracts for its supply. The company contemplates as well increasing its power plant by adding another water wheel and electric generator, each of 250 horse-power. This addition to the electric power plant will give the company a total of 835 horse-power available for its own use, outside of which it has developed 250 horse-power for the use of the City of Grand Forks.

At the British Columbia Copper Company's smelter the sampling mill machinery was started on January 16th and since then a lot of ore has been put through the rock crusher. The furnace was ready for blowing in about the same time, but the arrival of a supply of coke to do away with all risk of having to stop smelting was being awaited before commencing operations. It was anticipated that sufficient coke would be on hand by February 1st to admit of the furnace being blown in about that date.

The report lately circulated by several newspapers to the effect that the British Columbia Copper Company had closed a contract for the purchase of a copper converter will most likely be found to be premature, since at the time of writing the general manager is unable to confirm this report.

Rapid progress is being made towards the completion of the Standard Pyritic Smelting Company's smelter, near Boundary Falls. The furnace and dust flue are about finished, and the boilers, blower and engines in place and the sampling machinery is now being installed, the big steel smoke-stack has been raised and the trestles for the railway tracks over the ore bins are being put up. These works should be ready for operation some time in February.

The mining records and cash receipts at the offices of the Mining Recorders for the Kettle River and Grand Forks Mining Divisions respectively, obtained from official sources are given below. For the purpose of comparison the corresponding figures for the years 1898 and 1899 for the Kettle River Division and for 1899 for Grand Forks are also shown.

#### MINING RECORDS AND RECEIPTS.