New Furnace for Greenwood.

Special Correspondence Greenwood, July 20.

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The British Columbia Copper Company, Limited, of New York, owning the Mother Lode mine, has ordered another blast furnace for its emilier at Greenwood. The new furnace will be similar in construction to the one now in operation and which has had an uninterrupted and very successful run ever since it was first blown in, on February 18 of the current year. It is a stack furnace, the downtake going from 12 feet above the feed floor upsome 15 feet and then down into the big main dust flue. The size of the furnace is 12 inches wide by 150 inches long, inside dlimensions at tuyeres, of which there are ten at each side, of 39 inches dlameter. The Allis-Chalmers Company (successors to the E. P. Allis Company, who manufactured the first furnace), of Milwankee, Wis., are building the new furnace, the construction of which will take about sixty days. Allowing for time that will boccupied in delivery at Greenwood and in construction, it will be between three and four months before the new furnace will be ready for operation. There is very little preliminary work to be done at the smelter, provision having been made at the first for two more furnaces. The steel furnace house will have to be enlarged, but the floor and the dust flue are ready for the putting in of the additional smelting facilities the new furnace will afford. The engines and boilers are sufficiently large to run three or four furnaces, but another blower will afford. The engines and boilers are sufficiently large to run three or four furnaces, but another blower will have to be added to provide for the increasing treatment capacity of the works.

The nominal capacity of the works.

The nominal capacity of the furnace in use has frequently been stated in print as 225 tons. Its actual tonnage of one treated since its blowing is a follows: February (ten days), 3,016 tons: March, 10,519 tons (daily average for four months, ended Jule 30, nearly 308 tons.

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tons; daily average for four months, ended Jule 30, nearly 308 ton.

By the time the new furnace shall have been completed ready for work the company's Mother Lode mine will be in shape to double its output of ore. It is at the present time easily keeping ahead of the requirements of the single furnace at the smelter, and this without holsting any ore at night and working only six days a week at the mine. Further, the No. 7 mina, in Central camp, is now sending down about 100 tons of ore a week and arrangements are about completed for the output of the B. C. mine—between 150 and 200 tons daily—heretofore sent to the Trail smelter, being shipped to Greenwood. Then, too, there is a probability that negotiations now in progress will result in the Jewel mine shipping regularly its gold quartz ore, which has been proved suitable for smelting, to the Greenwood smelter. Altogether the prospects are that as regards the smelting industry there will, ere the year closes, be a material increase in the tonnage at Greenwood, the experimental stage having now been left behind and the period of increasing treatment operations definitely entered upon.

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