

including lathes, planer, drill press, bolt-cutting and pipe-threading machines, all run by an electric motor, and all necessary hand tools. Blacksmith's and carpenter's shops are also furnished with all tools needed for renewal and repair work.

The assay office and laboratory building is about 400 ft. north from the main smelter buildings. This is a commodious structure, and comprises large furnace room, chemical laboratory, balance room, assayer's office, store room, etc.

The smelter offices are in a separate building, with general office, manager's room, strong room, and living rooms for those of the staff who live on the premises. The manager's private residence is situated 300 to 400 yards from the works, on a site giving a fine view of Osborne bay and the waters and islands beyond.

The Britannia Smelting Co., Ltd., is a recent incorporation, having a capital of \$625,000, divided into 25,000 shares of \$25 each. Mr. Geo. H. Robinson,

gical skill and business capacity of its manager will materially assist in establishing its enterprise on a permanent and profitable basis.

THE KLUANE MINING DISTRICT.

(By R. G. McConnell.*)

THE Kluane mining district, in the south-western portion of Yukon territory, is situated along the north-eastern slopes of the St. Elias range, in the vicinity of Kluane lake. It includes creeks such as Bullion and Burwash, draining the north-eastern slopes of this range, and Ruby and Fourth of July, which traverse and obtain their auriferous supplies from the bordering ranges on the north.

Indians reported the presence of gold, on streams tributary to the Alsek, early in the summer of 1903, and on July 4 of that year Discovery claim, on Fourth of July creek, was staked by Dawson Charlie, a well-



Britannia Smelting Co's Smelter.—Converting Matte to Blister Copper.

late of Butte, Montana, is president of the company, and Hon. Edgar Dewdney, of Victoria, vice-president. The executive staff consists of Mr. Thos. Kiddie, manager; Mr. H. C. Bellinger, consulting engineer; Mr. L. E. Gooding, assayer and chemist, and Mr. W. H. Yost, master mechanic.

The company is preparing to do an extensive smelting business, and in order to ensure the continuous operation of its works is providing for regular and sufficient supplies of ores from properties controlled by those also largely interested in its affairs. It will, as well, be an active competitor for custom ores, whether from Vancouver or Texada islands, mainland coast mines, Yukon Territory, or Alaska. The important additions and improvements to its works now approaching completion will increase its facilities for treating ores to advantage, and the known metallur-

known Indian from Caribou Crossing. Two days later Discovery claim on Ruby creek was staked by W. H. Weisdepp, and discoveries on other creeks in the vicinity quickly followed. In the same season coarse gold was found on a number of the smaller streams draining the north-eastern slopes of the St. Elias range. Bullion creek, a tributary of Slims river, was staked on September 28 by a party of miners consisting of Messrs. Altamose, Ater, Smith and Bones, members of the same party staked discoveries on Sheep creek, near the head of Kluane lake, in October, and on Burwash and Arch creeks in May, 1904. The former flows into the Kluane river a short distance below Kluane lake and the

*Summary Report of the Geological Survey Department of Canada for the Calendar Year 1904.