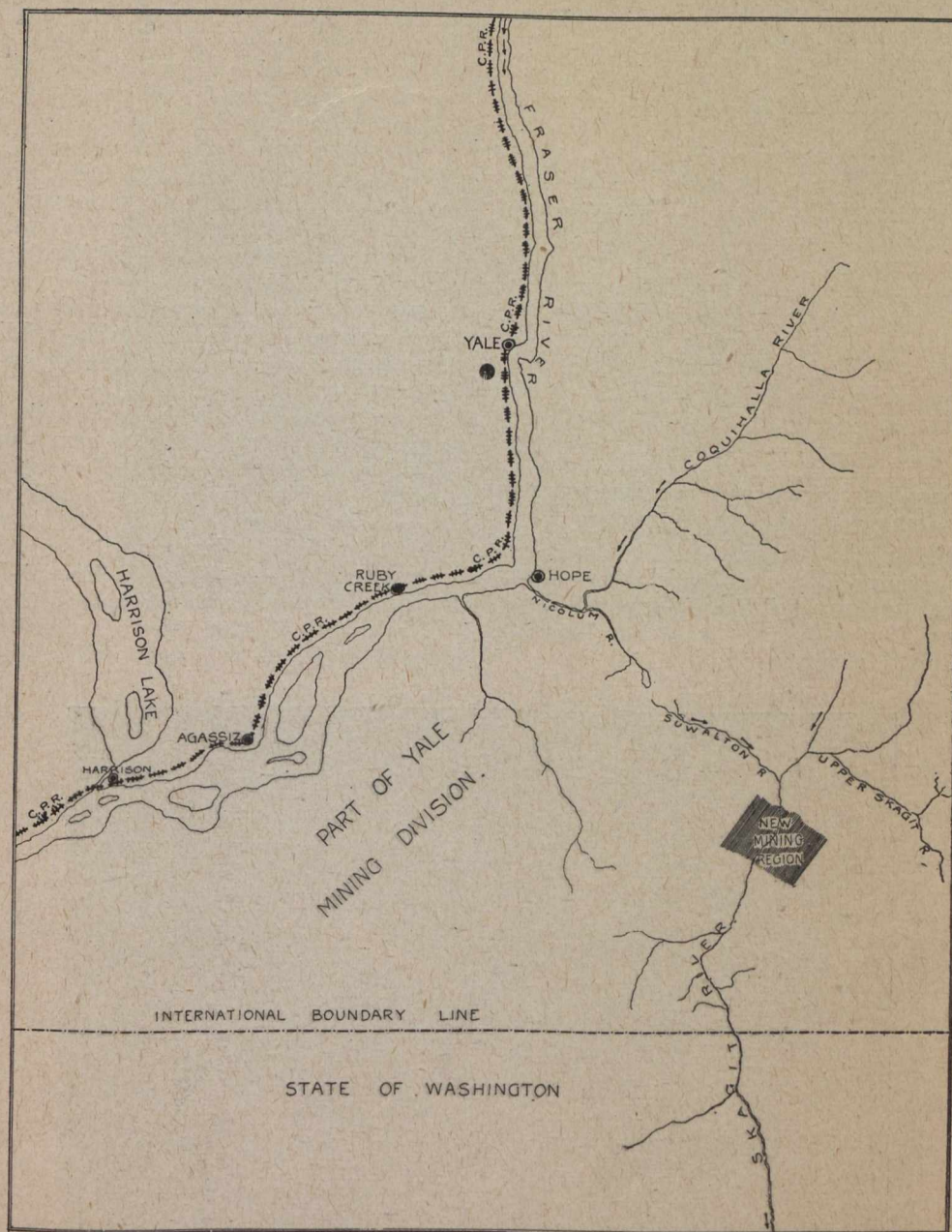


kilowatts for 45 to 75 minutes until the steel is ready for teeming. There is then an interval of ten to fifteen minutes during which the furnace is teemed, fettled and charged, which allows the transformers or generators time to cool before the period of overload commences. Current fluctuations occur for a few minutes, while there is an evolution of gas from the steel, which makes the bath boil up and touch the electrodes. This, however, is not sufficient to be objectionable, provided that the

NEW MINING FIELD IN BRITISH COLUMBIA.

Vancouver newspapers have lately published accounts of a new mining field in which mineral discoveries, said to be promising, have been made during the last three or four months. The locality is in Yale mining division, which is a small subdivision of the district of Yale, the latter embracing a large area in the central southern part of the Province of British Columbia. The first locations of mineral claims in connection with the



electrical machinery is properly designed for the purpose, and the extent of these variations is not so great as in the case of many rolling mills, the fluctuations in voltage being only about 3 per cent. in the South Chicago works, where a 2,000 kilowatt furnace has been working steadily since May, 1909.

The subject of electric steel refining is now receiving the attention of many steel makers, and it is hoped that these notes may lead to a stimulating discussion, not only of the many interesting and debatable questions in relation to the operation and design of these furnaces, but also of the more important and far-reaching economic and commercial problems which this process has created.

recent local excitement were made on what is known as Steamboat Mountain, but some of the later locations are in other parts of the Hope Mountains, scattered over the country for several miles around the claims first staked.

A newspaper account states that the field is easy of access, but now that snow has fallen it is difficult to get about the mountains and, of course, there can not be any effective surface prospecting done until next spring. The Steamboat Mountain field is described as being on the Skagit River about 40 miles south of Hope, and it is reached from Hope by the Sumallow River trail and thence down the Skagit. The last-mentioned stream flows south, into the adjoining State of Washington. Hope is on the Fraser River; it is distant from Vancouver 89