

### Cinnibar Mining in British Columbia.

Among our illustrations this month we show a number of views of the property of the Cinnibar Mining Co., at Savonas, Kamloops, Division of Yale, Province of British Columbia. The occurrence of this rare and valuable mineral has been described by Dr. Dawson to be: "In irregular sparry veins, consisting chiefly of calcite and quartz, with some dolomite, traversing zones of a gray felspathic and dolomitic rock which readily weathers to a yellowish colour. Both these zones and the contained veins, as a rule, run nearly magnetic north and south through the main rock of the hills, which is a dark greenish-black, Tertiary eruptive, containing pyroxene and olivine—but much decomposed. A considerable quantity of rich ore has been taken from the wider portions of the main vein opened on the 'Rosebush.'"

The claims owned by this company comprise the "Rosebush," "Blue Bird," "Hill Side," "Lake View" and "Yellow Jacket." The principal development so far has been done on the "Rosebush," and consists of a tunnel driven in about 400 feet, cross cuts aggregating 300 feet, an upraise to the surface with drifts at different levels, and a slope of considerable size from which most of the ore has been won.

On other parts of this claim several small drifts and surface excavations have been made; the workings known as the Big Dyke and No. 8 tunnel are also on this claim, or at least in part, and here a tunnel has been run 120 feet, with two cross-cuts just commenced, an upraise to the surface 80 feet in height. Here there are also comparatively extensive surface excavations,

and present operations are confined to this part of the mine. On the "Yellow Jacket" there have been run two tunnels, one 90 feet in length, the other 260 feet, with four cross-cuts, aggregating 330 feet in length; two connections with the surface, 80 and 100 feet respectively, the latter having two levels, with drifts amounting to 220 feet in length. In the face of this tunnel and beneath the level of it more than 1,200 feet in all have been drilled with a Sullivan diamond drill, while there has also been a considerable amount of surface exploring done in the same vicinity, and on the remaining claims a small amount of surface work.

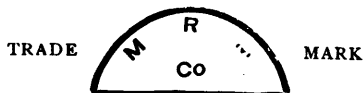
A Granza (coarse ore) furnace of a capacity of between 25 and 30 tons per day has been constructed and was first charged on 10 inst.

It is expected that the ore under treatment now will yield not less than one-half of 1 per cent. in quicksilver; and as 35 tons are treated daily, the yield per diem in quicksilver will be 350 pounds, which would be worth \$175. This is, of course, using only the low-grade ore of the Rosebush claim, and the yield should be doubled when the Yellow Jacket ore is put through the furnace. This is a conservative estimate. Superintendent Veatch expects as the furnace is worked longer that better results will be obtained. As the total cost of operating the Cinnibar mine at present is only about \$1,700 per month, the profit on the quicksilver after this month, even if no better ore is used, should be about \$3,500 per month. As several of the 23 men now working are doing exploration and development work only, the real cost per month on the ore going through the furnace is less than \$1,700.

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