

1,011 ft. The west end of lode joins Welcome lode, south section, at 174 ft. west of No. 2 shaft, south-east crosscut. From No. 2 shaft, south-east crosscut, to No. 4 shaft, south-east crosscut, there is 5 ft. of the lode exposed, with no walls seen. The average width of the lode is $17\frac{3}{4}$ ft.

No. 5 Level.—Crosscuts: No. 2 shaft, north-west crosscut, has been extended $73\frac{1}{2}$ ft., making a total of 352 ft. from No. 2 shaft. From $278\frac{1}{2}$ ft. to $311\frac{1}{2}$ ft. from No. 2 shaft is quartz (of which the last 9 ft. is sulphide ore); from $311\frac{1}{2}$ ft. to 316 ft. is blue country; and from 316 ft. to 335 ft. is sulphide ore with country-rock mixed. At $338\frac{3}{4}$ ft. a 9 in. leader, and at $342\frac{1}{2}$ ft. another 9 in. leader. These two leaders join the main lode on east side of drive. From $342\frac{1}{2}$ ft. to 352 ft. is partly decomposed andesite rock. No. 6 shaft, north-west crosscut, was started from Martha lode, 20 ft. east of Manning's Pass, and was driven north-west for $92\frac{1}{2}$ ft.; at 41 ft. in, sulphide ore $5\frac{1}{2}$ ft. wide. This is now called "No. 2 reef." Martha lode, south section: Stoping and sinking winzes have been the chief work in this part of the lode. North section of Martha lode: The level is driven on this section a total length of 1,376 ft., of which 1,172 ft. has been done this year. Welcome lode, west end: Driving was started at 585 ft. west of No. 2 shaft, and followed centre section of lode to 707 ft. west, making 122 ft. driven. Empire lode: Stoping has been done extensively on this level since February last. I lode: 75 ft. was driven west of No. 2 shaft, south-east crosscut, on this lode to its junction with J lode, making the total length of this lode to east junction with Empire lode 120 ft. The lode is about 8 ft. wide. L lode: 241 ft. was driven east on the lode from No. 2 shaft, south-east crosscut, and 40 ft. west of same, making a total length of 281 ft. The east end junctions with the Empire lode at Paul's Pass. The lode is 3 ft. wide here, $3\frac{1}{2}$ ft. at the west end; but the general width is $4\frac{1}{2}$ ft. North section of Royal lode: This lode was cut at 90 ft. in No. 5 shaft, south-east crosscut, and has been followed on its south-south-west course for 167 ft. No. 2 reef: At 41 ft. in No. 6 shaft, north-west crosscut, from Martha lode this reef was cut, and is $5\frac{1}{2}$ ft. wide. It has been driven on its course 52 ft. west. The average width is 4 ft., and looks promising going west. Eastward 96 ft. was driven, to its junction with Martha lode. The lode was very irregular in width, varying from 1 ft. to $5\frac{1}{2}$ ft.

No. 4 Level.—Crosscuts: No. 2 shaft, north-west crosscut, has been driven $83\frac{1}{2}$ ft., making a total of 418 ft. from No. 2 shaft. No. 2 shaft, new south-east crosscut, was extended 115 ft., making a total distance of 502 ft. from No. 2 shaft. At 500 ft. reef L is met, 3 ft. wide. North-west crosscut from Martha lode, near Trembath's Pass, was driven a total distance of 186 ft. At 167 ft. quartz was again cut containing sulphide ore and country-rock mixed; width, 9 ft. This is now called "No. 1 reef." No. 6 shaft, north-west crosscut, has been driven a total distance of 60 ft. from Martha lode. South crosscut at west end of south section of Welcome lode was put in 122 ft. from Welcome lode. Martha lode, north section: 441 ft. has been driven during the year, making a total length of 541 ft. This level was driven on north wall of lode. The east face is now 77 ft. east of No. 1 shaft, north-west crosscut, in sulphide ore. No. 1 reef: At 176 ft. in north-west crosscut, near Trembath's Pass, driving east has been done on the lode formation for 81 ft., and also 91 ft. west. Albert lode: Driving north has been done on this lode for 107 ft. from No. 2 shaft, old south-east crosscut. The average width is $9\frac{1}{2}$ ft. This lode has opened up fresh interest in this part of the mine, as it is getting larger and giving better values going north. I lode: 95 ft. has been driven on this lode east of No. 2 shaft. New south-east crosscut intersected the lode, which is about 7 ft. wide. L lode: 141 ft. has been driven on this lode, which is the total length of quartz opened up at this level. At east end it joins Empire lode near Muir's Pass, and at 30 ft. west of No. 2 shaft, new south-east crosscut, comes up against soft blue disturbed country. The general width of lode is $3\frac{1}{2}$ ft.

No. 3 Level.—No. 2 shaft, north-west crosscut, has been extended 55 ft., making a total of $390\frac{1}{2}$ ft. from No. 2 shaft. No. 6 shaft, north-west crosscut, from Martha lode has been driven 61 ft. At 26 ft. in, lode formation 2 ft. wide. Albert lode: In the first stope west of Muir's Pass it was found that quartz ran into the north wall. The level was opened on this and followed in a northerly direction for 130 ft. It corresponds to the Albert lode. Royal lode: 105 ft. east has been driven on this lode from No. 2 shaft, south-east crosscut. The average width of the lode is 6 ft.

No. 2 Level.—No. 4 shaft: The crosscut to east end of Empire lode was completed, 78 ft. having been driven in the hard rhyolite rock. Empire lode: The level has been widened and timbered for stoping from Muir's Pass to east end. Albert lode: Prospecting for this lode has been done north of the J and Empire lode junction, and quartz 5 ft. wide was met with and followed for 32 ft. Regina lode: Stoping has been done up to No. 1 level, and will be continued up to within 5 ft. of floor of adit level—a height of 145 ft.—and four rises have been put up to adit level for filling-in purposes.

Adit Level.—Regina lode: 147 ft. was driven on this lode, making a total length of 363 ft. east of No. 2 shaft, north-west crosscut. The lode here is about $1\frac{1}{2}$ ft. wide.

Surface.—Open-cut at intermediate level on Martha lode has been taken along 266 ft. west of Bull's Pass. The lode here averages 23 ft. wide. From the hanging-wall of Martha lode and from the top of intermediate level 29,350 tons of mullock have been removed for filling-in purposes. Surface-cut at Emily level on Welcome lode is now 20 ft. east of Harvey's Pass. Lode is 3 ft. wide.

Shafts.—No. 1 shaft was sunk $94\frac{1}{2}$ ft. during the year, making a total of $572\frac{1}{2}$ ft. from surface. Sinking was stopped in May last. No. 2 shaft was sunk 85 ft. during the year, making a total depth of 728 ft. from surface. Sinking was started on the 23rd September, and continued up to date. The country-rock is undecomposed rock, somewhat brecciated. No. 3 shaft: No sinking has been done. No. 4 shaft was sunk during the year $111\frac{1}{2}$ ft., making a total depth of $561\frac{1}{2}$ ft. from surface. The bottom of shaft is still in the recent andesite country, and should penetrate the older andesite rock in another 50 ft. or so. It was started on the 12th June, and finished on the 19th July. No. 5 shaft was sunk during the year 297 ft., making a total of 735 ft. from the sur-