

350 feet to top the ore shute 150 feet west of the dyke, 170 feet below the surface. On the dump were piled several hundred tons of ore, of which regular shipments to the Trail smelter have begun, the first returns for which are reported as being very satisfactory. Number of men, 14.

West of this property are three claims, all held under Crown grants, the *Tiger*, *Uncle Sam*, and *Gem*, through which runs what is believed to be the continuation of the Crown Point lead, the country rock being a fine-grained greenish diorite. On the Gem and Uncle Sam two shafts were sunk near the dividing end line, and some low grade ore taken out, consisting of mispickel with some copper pyrites and zinc blende and some quartz and calcite, but no work was being done at time of visit. On the Tiger a cross-cut tunnel was in 160 feet east to explore the ground under a heavy iron capping on the surface. To the south of this an open cut into the iron capping uncovered 3 to 4 feet of very good-looking ore which a tunnel and cross-cut below failed to strike. Work has been retarded by bush fires that lately destroyed all the buildings. Agent, Mr. N. Campbell, Rosslund.

South of the Crown grant are three claims, the *Southern Cross*, *Wolverine No. 2*, and *Iron Hill*, on the first of which is a Crown grant, owned by the Southern Cross and Wolverine Consolidated Gold Mining Company. President, Thomas Smiril; Secretary and Treasurer, D. B. Bogle, Rosslund. Capital stock, 500,000 \$1 shares. On the Southern Cross two open cuts and two tunnels, one 75 feet, the other 90 feet long, are made in the very iron-stained diorite to develop a well-defined fissure, in which the ore in places widens out from nothing to 2 or 3 feet of solid sulphides. In the 90-foot, or working tunnel, at ten feet, is encountered what is probably the Crown Point dyke, down along which a vein was sunk 25 feet with 2 or 3 feet of low grade pyrrhotite, copper pyrites, and blende, when water caused work to be stopped. On the Wolverine there is a large exposure of iron-stained rock with stringers of sulphides, but no work has been done yet to develop the conditions that may prevail.

Further west, are the *Trilby*, *Last Chance*, and *Celtic Queen*, on the last of which 2 to 4 feet of mixed sulphides have been found along an east and west fissure that is crossed by a large north and south dyke without any observable displacement. Development work is now proceeding under Mr. Dennis Clark, Rosslund.

R. E. LEE AND MAID OF ERIN.

Area about 100 acres; title, locations. Located one mile south of Rosslund. Owned by W. Norris Dunn and M. Sullivan, Rosslund, but bonded to the R. E. Lee Gold Mining Company. President, Charles S. Vorhees; Secretary, H. L. Wilson, Spokane. These claims were bonded by Mr. John M. Burke, but no work is being done at the present time. The principal work has been done near the centre of the dividing end line of the two claims; as on the R. E. Lee, there is a 30-foot tunnel with a 20-foot drift, in the floor of which can be seen 2 to 3 feet of mixed ore in a lead running east and west and dipping north 60°. About 50 feet west, but on the Maid of Erin, is the main shaft, 74 feet deep, with a level at 50 feet, running 47 east, and a cross-cut 24 feet north. As water filled these workings they could not be seen, but on the surface there were piled several tons of ore, consisting mostly of fine-grained mispickel, or arsenopyrite, the value of which was not ascertained; but Mr. Dunn reports that from 12 tons taken from the tunnel the net smelter return was \$458 for the lot in gold. About 500 feet south of this lead a 30-foot shaft is sunk in a second vein of mispickel, 2 to 14 inches thick, said to assay well in gold, dip and strike the same.

Immediately west of this property is the *Gopher*, not working, from a 60-foot shaft in which has been taken considerable ore, similar to that of the R. E. Lee, and which is thought to be on the same vein that runs into the next claim to the west, the Homestake. To the south is the Mayflower, already described.

HOMESTAKE.

Area, 21.3 acres; title, Crown grant. Location, three-quarters of a mile south of Rosslund. Under bond to the Homestake Gold Mining Company. President, S. J. Johnson, Rosslund. At the time of visit (July 9th) no work was being done, and the workings were full of water; but, however, at all of them there was piled up considerable ore, not high grade, or iron pyrites and marcasite, or "white iron," with some copper pyrites and zinc blende, with calcite and quartz in the diorite. This vein can be traced for nearly 700 feet through the claim by cuts, strike east and west, dip 70° north. A tunnel runs in a considerable distance, but not on the lead, while at the mouth is a small shaft said to be all in ore, in some of which piled on top is galena. A short distance east are two shafts, 75 feet apart and con-