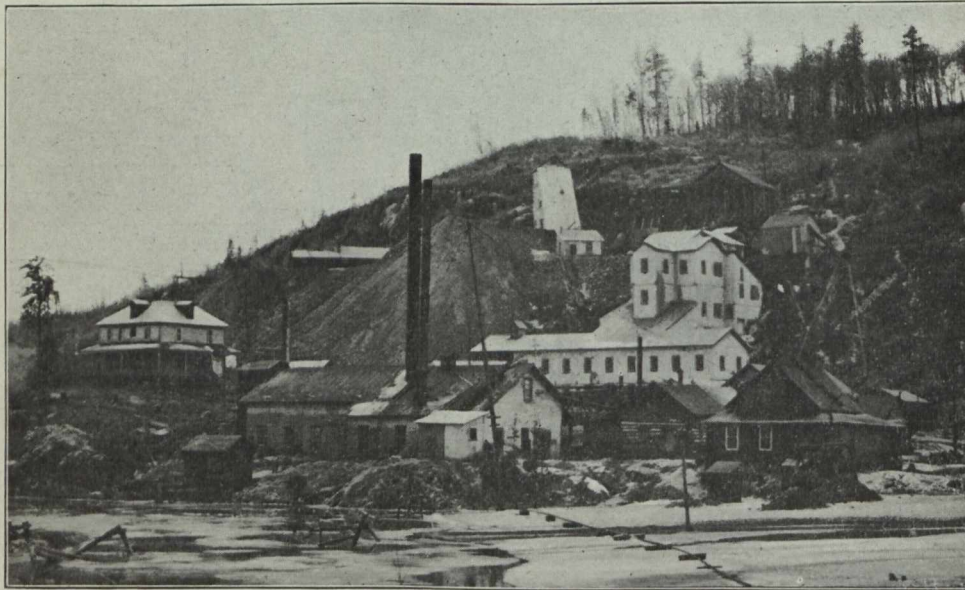


most westerly part being a short distance below the confluence of Granite creek with Tulameen river. From its junction with the Similkameen river at Princeton, the Tulameen for fully 25 miles, up to the mouth of Champion creek, has been for many years worked by placer miners for gold and platinum. Mr. Charles Camsell of the Geological Survey of Canada, in his report on the "Geology and Mineral Deposits of Tulameen District" (Memoir No. 26, 1913), states that there is some evidence that the Tulameen placer deposits were worked to a limited extent many years before 1885. In that year they came into considerable prominence through the discovery of coarse gold on Granite creek. For the few years following, the district produced remarkably well for such a small area, and about 1891 it came to be recognized as the most productive platinum region on the North American continent. Since then the production has steadily declined year by year, until it has become so small that placer mining is now done in only a very small way by a few miners here and there along the river and its tributary creeks. The streams that have yielded an appreciable amount of gold or platinum or both are: Tulameen

of Canada of diamonds in chromite segregations in the peridotite of Mt. Olivine, Mr. Camsell found many small diamonds in gravels of Tulameen river.

Lillooet.

Attention is again being called to the mining possibilities of Cayoosh creek, in both lode and placer mining. It is well known that years ago Chinese took much placer gold out of this creek. One local merchant repeatedly stated that he had bought more than \$200,000 worth of gold from them, and that this amount represented only the exchange for the supplies they had purchased from him. Although there is now difficulty in finding out what parts of the bars in the creek have not been worked, higher water bringing down fresh gravel each season, and so effacing indications of where work has been done in the past, it is known that there is gold-bearing ground on the creek above high-water mark, some within ten miles of Lillooet, adjacent to old claims from which much gold was taken—ground that has not been worked to any extent. Such places are above Gold basin—where there are possibly half a dozen claims—both sides of the stream above the mouth of Cottonwood



Penn-Canadian Silver Mine, Cobalt, Ont.

river, Granite creek and its tributary Newton creek, Collins gulch and Cedar, Slate, Bear, Hine, Eagle, Champion and Boulder creeks. The river has not been proved to be everywhere productive in gold or platinum. The reason for this is not apparent, but it is probably because bed rock is not easily reached in some parts of it. Mining has been carried on in three separate sections, namely, near the mouth of the river at Princeton; about two miles below Granite creek, including the Roany placers above mentioned; and between Slate creek and the mouth of Champion creek, along a length of five or six miles. Other facts in connection with the mineral resources of the Tulameen are noteworthy, namely, that (1) the platinum recovered from the gravels of the district has been variously estimated at from 10,000 to 20,000 oz.; that (2) Prof. J. F. Kemp, Columbia University, in 1900 spent three months in the district investigating the original source of the platinum of the placers (see U. S. Geol. Survey Bull. 193); and (3) that after the discovery by the Geological Survey

creek, and still farther up Cayoosh creek. The gold up there is coarse and easily saved, but as a rule the wash is heavy, so that placer miners are not likely to get much gold without working the ground thoroughly.

Skeena Mining Division.

The Granby Consolidated Mining, Smelting & Power Co., which in March commenced smelting operations at its new reduction works at Anyox, Observatory inlet, has not yet blown in a second blast furnace, owing to difficulty in obtaining sufficient competent machine miners to allow of ore being got out of the Hidden Creek mines in large enough quantity to keep two furnaces supplied. This is a contingency that had not been taken into account by those who had expected a comparatively large production of copper at the new smeltery almost immediately after making a commencement to smelt the ore. The company has done what it could to attract men in sufficient numbers, by erecting accommodation buildings of modern style and providing them with con-