



Works of the Northey Manufacturing Co. Ltd. at Toronto.—Interior of Pump Works.

to the new town, Burton city, that is springing up at the Narrows, several thousand feet of lumber and tons of supplies, besides having a passenger list of 18. At the gold fields proper, everything is in the initial stage at present, although preparations are rapidly prosecuting towards development. The bulk of the prospectors form themselves into companies, and in this way work more expeditiously and cheaply. The principal claims thus formed, apart from the Discovery mentioned last week, are the Crown and Sceptre, located by a party of eight from Waneta, and the Lady Sampson, owned by a local company, with which H. Madden, W. C. Sampson, L. Dansereau, C. H. Oiler, and others are identified. On the Crown and Sceptre the most work has been done, and the owners being experienced men they hope to be able to commence sluicing in a few days, and thus obtain results setting at rest all fears as to the permanency of the camp. So far as indications go there is no reason to doubt but that the strike is a very rich one. Washings have been made over an extent of country covering 28 miles, and in each instance colors were obtained. This was the case even to the mouth of Trout creek. The bed rock of Cariboo creek inclines away from the current and thus serves to catch all particles that wash down. In the crevices along high water mark, small nuggets, sometimes as large as a finger nail and about as thin, have been pinched out, while from the sediment on the rock shelves, the colors have been freely extracted. In several places trial shafts have been sunk in the gravel and the same returns continue. At the mouth of Grouse creek is believed to be the best ground."

The Waneta Company has been sluicing for some time and have secured some coarse gold from the cement gravel. It is reported that they are averaging \$7 a day to the man. Not long ago they offered a half interest in six of their claims for \$100, but suddenly raised the price to \$1400. This company do not want to be bothered by visitors, and prefer to surround their operations with air of mystery.

The Pembroke hydraulic property at Thompson Siding, near Lytton, will be operated for the present by a powerful duplex pump, capable of elevating an eight-inch stream 200 feet high. If this should be a success it will redeem thousands of acres of good hydraulic claims not available for want of water. Col. Underwood, representing this company, has just secured Letters Patent from the Dominion government on a novel dredging machine for mining on the Fraser and other gold bearing streams. The machine consists of a combination of the suction process with a dredge. It is shaped like a plough and of heavy steel bars terminating in a plough point, far enough apart to admit only such boulders as will readily pass through the suction pipe and thence to the sluice boxes. This device is attached to the end of a beam, similar to the ordinary steam shovel or dredge; and is to be operated in the same manner. The colonel is of the opinion that this machine will practically dispose of the question of handling the 60 to 80 per cent. dead work to be overcome in subsequent mining on the Fraser. A machine of this kind will be put to work on the Quesnelle river at an early date.

The Nelson Hydraulic Mining Company, is in a fair way to prove the value of its

ground on Forty-nine creek. About \$15,000 have been expended in flumes, ditches, wasteways, pipes, monitors and sluice boxes. The flume and ditch is over a mile long, and the head of water is upwards of 300 feet. At present about 300 inches runs through the flume, which is barely enough to fill the pipe when a three-inch nozzle is used on the monitor. The ground is favorably located for working, but as it contains more boulders than gravel, it cannot be moved as rapidly as was expected. Fred Rice is acting as superintendent, and enough bedrock will be cleaned within the next two weeks to prove the value of the property.

Mr. A. N. Beaton one of the partners in the Vandall mine on French Creek, reports the mine as paying handsomely, over \$100 having been taken out in one day by four men. Mr. Beaton says: "On our claim we took out \$250 in the last two days before I left, and since spring the total output has been several thousand."

The wing dam on the Consolation property is in, and by the end of the month they will be drifting again. As they were on the pay streak when the flood struck them, they will soon be producing bullion after the old rate of \$100 a day.

"Some splendid specimens," says the *Kootenay Mail*, "of free-milling gold quartz were brought down by Laforme's pack train on Monday from two minerals claims located by Harry S. Howard on McCulloch Creek last week. The gold could be seen in large patches all over the quartz, and it was estimated that if the ledge at all equals the samples shown, the ore would assay \$500 to the ton. It was not necessary to use a glass, as the gold stood out encrusted on the ore in rich clusters. These claims were recorded the same day by Mr. John Burke, of the Senate Hotel, who has a part interest in the claim. One of the claims is the Monarch, located on the 1st of August at the head of McCulloch Creek, on the divide between that creek and Camp Creek, and adjoining the Gold Hill claim on the north. The other claim is the Eureka, located on the 2nd of August on the divide between Camp and McCulloch Creeks, about a mile below the divide between French and McCulloch Creeks, and adjoins the Panhandle on the east. Both claims are 1500 feet square. If the ledges are similar to the specimens brought down, Mr. Howard has a bonanza."

Mr. W. Hamilton Merritt, M.E., A.R.S.M., Toronto, has been appointed engineer to the Strathyre Mining Company, operating at Fairview, in the Okanagan country.

From the number at work, the placer ground on Hall creek must be paying fair wages to the men. At the canyon Eugene Montreuil and his two partners have dammed the creek and utilize water power to work their ground. The gravel is hoisted to the sluice boxes by a Chinese pump; the small boulders are carried to the waste dump in cars; and the heavy boulders are yanked out of the way by a windless. All this is done by power developed by an overshot wheel. The scene of operations is less than a mile from Hall Creek siding on the Nelson & Fort Shepard railway, and about eleven miles from Nelson.