

carry 3,000 inches of water from Mussel Creek, a distance of about six miles, on to the property, for the purpose of hydraulicing. The survey to the mine has just been completed, but whilst this has been in progress the work of excavating from the intake end has been proceeding. A pressure of 364 feet will be available from the water supply named. About 240,000 lbs. of steel pipe of 22, 26 and 30 inch diameter is on the way to the mine. All other necessary hydraulic appliances have also been obtained. The mine is already supplied with a 40 horse-power horizontal steam engine and boiler, steam pumps for deep diggings, large centrifugal pump for drainage uses, saw mill and numerous buildings covering all the requirements of a well ordered mining-camp.

Good mill sites are found along Cayoose creek, and an excellent supply of water can be had from that creek.

Pine Creek, near Barkerville, still continues to yield gold at a satisfactory rate, and shows no signs of playing out, as was predicted in the spring. About 25 men are at work in the creek, and there is now promise that some exceedingly rich ground will be encountered yet this year.

The Cayoose creek placer mines have yielded a large amount of gold, mostly extracted by Chinese, and no reliable information as to the exact amount can be had, as these people are very reticent about their affairs. The gold occurred from the Fraser river up to the Bonanza ledge, and so far no placer gold has ever been found above that ledge.

Five Vancouverites, J. R. Hamilton, B. F. Heney, R. Herd, R. Pritchard, J. Cunningham and S. Ferguson, have struck it rich in Cariboo on Peter's River, four miles from the town of Stanley. The quintette claim that theirs are the richest modern Cariboo claims in existence. One rough clean up has been made with very satisfactory results.

Mr. J. M. Browning received word lately from the superintendent of the Cariboo Hydraulic Mining Company, stating that work on the supply ditch had been completed. This gives an ample and continuous supply from Polley and Boot-jack lakes. Water has been turned on and the ditch appears to be satisfactory in every particular. Unless some unforeseen accident should occur, the company may anticipate a steady run from now until the close of the season, a period of at least six weeks, and possibly, should the weather be favorable, two months.

A private letter from Barkerville states that all the men available at Barkerville are working for the Cariboo Gold Fields Co., and probably will be till winter sets in. There is a report that the Island Mountain quartz mill will be repaired this winter and start up next summer, and also the Black Jack quartz mine. The Sheppards expect to clean up 300 to 400 ounces of gold this season on Sheep Creek at the head of Downie's pass. Mr. Newton, on Stout's gulch, half a mile from Barkerville, cleaned up 400 ounces some time ago, and it is reported that he will have 200 or 300 ounces more this season.

For years the neighborhood of Peters Creek has seen mining on a small scale, and the returns have in most cases paid, but the big mining schemes have usually been pushed in other directions. Two parties named in the previous paragraph, J. R. Hamilton and Robert Herd, made a trip to Swift river last spring, but the expedition counted for nothing, and they returned much discouraged. Robert Pritchard told them of another spot, and there an old ditch was cleaned out and repaired, and a few feet of sluices set up. The first work done showed a prospect of fair appearing gold. Working toward the creek, on a bench, the gold became finer, and they turned and worked to the northward. Getting over the run, coarser gold was found, and the party, elated with their success, put up about a hundred feet of sluice-boxes and repaired the ditch permanently, and turned about 200 inches of water into the boxes, and proceeded to work in a methodical manner. The gold is coarse, and pieces weighing over a dollar were exhibited in Ashcroft by Mr Hamilton.

Report comes from Barkerville that after 16 years of piping bed-rock has finally been struck in the old Waverly hydraulic mine, and that it is likely to pay running expenses and a dividend besides this year. It has been a long, tedious task, and if anyone deserves success a dozen-fold it is Pomeroy, the superintendent and manager, who, during all the years has never lost faith in the Waverly. The mine is situated on Grouse Creek, 5 or 6 miles from Barkerville. Above the works were some extremely rich "diggings," but like many other ventures in the Cariboo, the water proved a hindrance to profitable production of gold, and the hydraulic scheme was substituted for drifting. It was decided to commence hydraulic work about half a mile below the old works, and going on down Grouse Creek a tunnel was run nearly a half a mile up stream. A shaft was then sunk to tap the tunnel. Sluice boxes were then set up in the tunnel, and the monitor turned into the gravel at the top of the shaft, driving the debris down the shaft and out through the sluice-boxes in the tunnel. It took about three years work to get an opening down to the tunnel, and much difficulty was encountered on account of caving and sliding in of gravel. Several times the connection filled entirely up, and it had to be opened up from the tunnel, and was an extremely dangerous undertaking. But at last the opening was made, and the monitor set up at the bottom of the pit, and the work then proceeded up the old channel to where the old drifting was done. For 16 years the pit slowly elongated up the stream, till in June the bed-rock was struck, and it was found to carry the deposits of gold that were expected. If the clean-up this fall comes up to the expectations of Mr. Pomeroy and the owners who reside at Barkerville it will indeed be a rich property.

The Bonanza mine, which is now attracting some attention, is on Cayoose creek, which empties into the Fraser river, on the western side, about two miles below the town of Lillooet. The Bonanza group comprises four claims, which are a part of a group of nine claims, on all of which rich croppings of gold have been found. In fact the croppings have proved to be extraordinarily rich, in one case 100 pounds of rock being found to be worth several thousand dollars. The claims are situated about nine miles from Lillooet, and a good waggon road built to the mines from that town. The stream is swift and rapid, and the mountains are rough and rugged. The mountains along Cayoose creek are high and precipitous, and their appearance would tend to give one the impression that a mineral vein found in that locality would be in place and permanent.

The claims start on the north side of Cayoose creek, cross the stream in a southerly direction, and run up a hog's back to the summit of the mountain, forming the divide between Cayoose and Cottonwood creeks. The hog's back is quite a sharp ridge about at right angles to the general trend of the valley, and the ground falls very rapidly on both sides, and in many places is quite precipitous.

The auriferous rock matter consists of one principal vein and a parallel group of stringers. The country road is very much contorted and disturbed, but the veins run the whole length of claims, covered, for the most part, but showing in various places toward the bottom of the mountain, and cropping baldly out for a long distance toward the summit. The average width is about three feet, and the vein is nearly vertical. The stringers run in a parallel direction to, and are not more than 200 feet from the main vein. Intermixed with the stringers and on either side, forming the hanging and foot walls is found a considerable amount of black slating rich in gold.

Considerable work has been done in years past on the Bonanza, but a lot of it has been thrown away. The lower working is about 400 feet above the bed of the creek, and at that place two tunnels have been run in on the stringer. One is 60 feet long and the other is 25 feet. These tunnels expose the stringers of quartz and a considerable amount of schistose matter, extending beyond the width of the tunnel, and for its full length, in the aggregate being about 5½