

up to date tending to show a continuous vein. The owners say that some of the best ore that they have yet shipped from the Trail Creek camp has come from the Iron Mask shaft. This shaft is now down 100 ft., and shows a solid body of auriferous ore at the bottom. Drifts have been run each way, and are daily improving in appearance with each foot of work.

At the left of Centre Star creek a tunnel is being driven; this tunnel will constitute the main workings of both the Iron Mask and War Eagle mines before sinking will have to be resorted to. However, the company are now starting a large three-compartment vertical shaft at the mouth of this tunnel and are preparing to put in sinking machinery. The machinery that furnishes power for the War Eagle performs a like service to the Iron Mask.

At present the property is under bond to D. C. Corbin for \$500,000 cash.

CENTRE STAR.

This property adjoins the LeRoi on the east, and has the best body of shipping ore in the Trail Creek camp at the present writing. It was bonded and paid for by Mr. Oliver Durant, for Durant & Tarbet, April, 1891, but the grade of the ore not being as high as the War Eagle and Le Roi, shipments were impossible. However, machinery has been installed and a vast amount of stoping ground has been opened up. The mine is worked by a tunnel which is now in nearly 900 ft. Five chutes of ore have been uncovered, and one chute 147 ft. in length, and, where crosscut, 20 ft. wide, proves the Centre Star to be in the "bonanza" class. At a distance in, of 400 ft., connections with the surface were made, and about 800 tons of ore were extracted in this work. At this point in the mine crosscuts have been run, both to the north and south, and four more distinct and separate veins have been uncovered, but as yet have not been followed for any great distance, and their real merits cannot be truthfully spoken of. The owners of this property are wealthy men, and although they have almost 10,000 tons of shipping ore on the dump they have not shipped a pound, nor has a pound of ore been stoped in the mine. They prefer to await the completion of competitive roads into the camp, and thereby get a nominal rate to the smelters. They also say that if satisfactory rates are unobtainable they will erect a smelter of 200 tons daily capacity on the Idaho ground, which also joins and belongs to them. The machinery at this mine consists of a 7-drill Ingersoll compressor and an 80 h. p. boiler. A conservative estimate of the holdings of the Centre Star Company places their value at \$4,000,000.00.

POOR MAN.

The Poor Man is a triangular fraction between the War Eagle, Josie and Le Roi mines, and contains the small area of six acres. However, it has a good strong lead, which was opened up by means of a shaft and a tunnel. The shaft is down 80 ft. now, and shows about 3 ft. of solid ore of a \$40.00 grade. About 300 tons of ore of this quality have been shipped, and it is presumed that the company will soon pay a dividend.

COLUMBIA AND KOOTENAY.

These mines, the property of the Trail Mining Company, a Chicago concern, lie respectively on the apex on the east slope of Columbia mountain, and join one another. Last summer three tunnels, aggregating in all four hundred feet of work, and about a hundred and fifty feet of shafting have disclosed an immense body of arsenical iron ore. Shipments were made from the Columbia and gave returns of \$51.20 in gold per ton. This year a waggon road to connect with the Trail Creek tramway has been built to the mines, and under the supervision of Mr. Martin King, the general manager of the company, a 30-drill cross Corliss piston inlet air compressor is being put in on the property. Three 100 h. p. Ingersoll boilers will furnish the power. This plant is partly up and will be in operation by the 1st of August. The company, financially, is a strong one and will develop the property to its fullest extent.

JUMBO.

A year ago to-day the mineral belt was not supposed to extend farther west than Red Mountain; however, development work during the past winter in the shape of a crosscut tunnel on the Jumbo proved the existence of the widest body of sulphide ore in the camp. The tunnel cuts the ore body diagonally for sixty feet, and conservative mining-men say that the Jumbo mine has forty feet of clean ore between walls, over half of which will pay to ship at the present exorbitant rates of waggon transportation. A good strike has just been made one hundred feet below number one tunnel, in blasting for a tunnel site, pay ore being uncovered at the very grass-roots. The owners of the Jumbo have built a waggon road to connect the mine with Rossland and will install a power plant immediately. The mine is admirably situated and can be worked at a minimum cost.

CLIFF.

For the past three years the owners of the Cliff have been systematically developing this property, and have succeeded, by means of about a thousand feet of work, in opening up one of the largest bodies of copper sulphide in the Northwest. The ore at this mine is not of as good grade as that at the War Eagle and Le Roi. However, about three hundred tons of ore, trial shipments, have been made, which have determined that the property can be mined at a fair profit. A two-hill compressor has just been installed on the property for prospecting. One drill will be utilized in a long cross-cut tunnel, which will give a vertical depth of about five hundred feet on the property.

NICKEL PLATE.

This property, belonging to A. W. McCune, of Salt Lake City, joins the Centre Star on the south and is a mine of no ordinary magnitude. The development work consists of a shaft one hundred and sixty feet in depth, two drifts one hundred feet long, and a cross-cut two hundred feet long. The ore in this mine is principally a pyrrhotite, and from the only ore shipped yielded \$92.00 per ton in gold. A rich strike has just been made in a drift from the north cross-cut, where a vein not found on the surface has been caught. The ore in this drift is six feet wide. The owners will put in a first-class compressor and hoist in the near future. Already about six hundred tons of high-grade ore are on the dump.

O. K.

In an article of this description, the O. K., situated two miles east of Rossland on Spokane mountain, deserves more than passing notice. It has the distinction of being the only free-milling quartz property in the great army of sulphide mines which surround it. For four years gold quartz has been taken from this property, a five-stamp mill has been kept running continuously, and monthly the O. K. has turned out a substantial brick, thereby adding its quota of wealth to the mining output of southern Kootenay. The mine was purchased last fall by Joseph L. Warner in the interest of outside capital and has been stocked. Under the skilful supervision of Mr. Warner the property has improved wonderfully, and is making a mine of magnificent proportions. It is situated on a very steep hill and is opened by means of tunnels eighty feet apart. In tunnel No. 11 there is a solid body of free-milling ore ten feet wide, all of which can be run through the mill and yield a handsome profit. The company will declare their first dividend in the course of a few weeks. The Jenckes Machine Co., of Sherbrooke, Que. are supplying the mine with a 10-stamp mill of improved pattern, and vanners of the Woodbury manufacture are being installed with the mill to catch sulphurets. An order has also been placed for an air compressor and drills.

CROWN POINT.

Two miles to the south-east of Rossland lies the Crown Point, famous for its large bodies of high-grade arsenical iron ore. A shaft has been sunk for a distance of one hundred and forty feet on the vein, and cross-cuts run to fully determine the exact value of this wonderful property. Drifts from the sixty-five foot level are in ore. In the prosecu-