

is reached, only to be followed in time by a corresponding reaction when the ore as suddenly disappears. These are the discouragements incident to mining of the character here met with, the test of a really good mine manager being often found in the equanimity and unconcern with which he views the ups and downs of his professional career as reflected in the varying fortunes of the particular mine with which he happens to be connected. Apropos of this, surface operations at the Corinth, situated a little above the Idaho have disclosed a new vein carrying very fine ore and developments will be proceeded with as speedily as possible. Success to all enterprises in which the element of perseverance is so conspicuous! May it never go unrewarded.

## YMIR.

(From Our Own Correspondent.)

Since last month Ymir has been very nearly destroyed by fire, and if it had not been for the herculean efforts of the residents this catastrophe would have certainly occurred. The fire commenced about half a mile south of the town and was caused by men setting fire to the bush for the purpose of clearing land. I regret to state that the flames destroyed both the Dundee mill and the tramway, but the buildings at the mine were fortunately saved. For a time it

The company has been re-organized and the stock assessed at 10 cents per share. The property is looked upon as one of merit, and when it is properly worked there is every reason to believe that it will be a big producer.

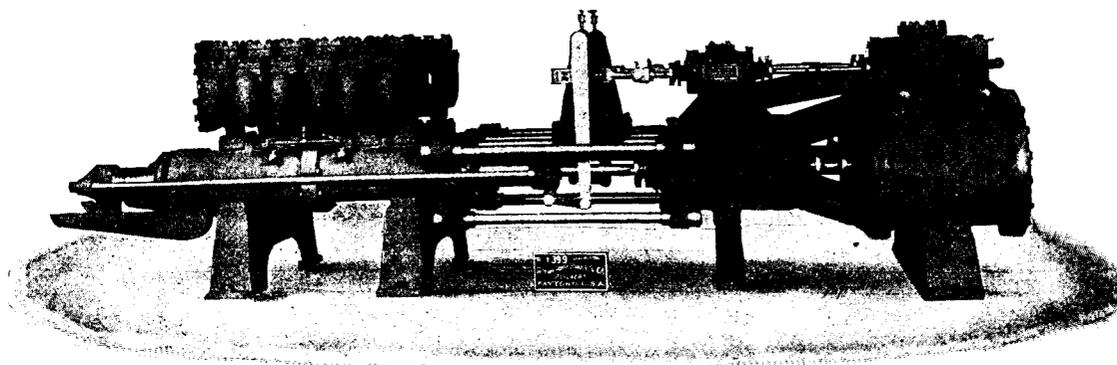
Mr. Stephen Bywater, president of the Wolcox Company, was here during the first part of the month for the purpose of consulting with the mine officials regarding the installing of a mill, and it is believed ere long a mill will be erected at the property.

The Arlington mine management are erecting large boarding and bunk houses and intend to keep a large force of men at work this winter. The Yellowstone mine is working steadily, and the results are very satisfactory.

## FERNIE.

(From Our Own Correspondent.)

The Crow's Nest Coal Company have just closed a contract with the James Cooper Manufacturing Company, for a complete coal mining plant, consisting of an Ingersoll-Sergeant straight-line air compressor, steam cylinder 24" diameter by 30" stroke, air cylinder 26½" diameter by 30" stroke, which is the largest machine of this type that is built in Canada. The contract also includes ten of the latest model Sergeant coal-cutters, with all accessories.



Compound Duplex Pressure Pump.

was feared that the conflagration which stretched over five miles of country would reach Wild Horse Creek and in that case the Ymir mill would have been in grave danger. The company had, however, made every preparation to fight the fire had it come. Fortunately two days' heavy rain set in and saved the situation.

I am pleased to state that much assessment work is being done in this camp this year, and that as a result some very promising looking indications are being shown up. There is a good demand for property in this camp and we are all confident that Ymir district will come to the front once more, as it is certainly entitled to rank as one of the best sections in the Kootenays.

Our principal property, the Ymir, is running 80 stamps and treating 200 tons of ore every twenty-four hours. The average values are \$10, so that the returns from one mine every day is in the neighbourhood of some \$2,000. This property is doing more to advertise the resources of our camp in London than any quantity of descriptive writing.

The Tamarac Company has an engineering force here surveying out a mill site and making all the needed preparations for the installation of a mill.

#### A NEW DESIGN FOR A COMPOUND PRESSURE PUMP.

THE illustration given herewith shows a compound duplex pressure pump designed to develop a maximum pressure of 700 pounds per square inch.

The liquid end is of the termination packed trombone style; the cylinders being made of special metal, mounted upon which are separate chambers for the location of the valves; chambers are also constructed of special metal and designed with a view of facilitating quick access for the inspection of the valves.

The valves are of the hydraulic pattern, made of steel, and guided from below. An extension piece is provided for supporting the water plunger, and an approved adjustment device provided therefor.

The water end is mounted on heavy supporting columns. An engine of the transported cylinder type is furnished, giving free access to all steam pistons without dismantling the pump.

The outside valve adjustment is a feature of this design. Further particulars regarding this style of pump can be obtained from the manufacturers, the Stilwell-Bierce & Smith-Vaile Co., 293 Lehman St., Dayton, Ohio, U.S.A.