

referred to, amounts to an average of about 50 cents a day, and will give muckers \$4.25 and machine runners \$4.75 for each eight-hour day worked. This increased rate is expected to attract additional men to the camp, and may reasonably meet the added demand for workmen as a result of the resumption of work at the Wright-Hargreaves and at the Tough-Oakes.

The Chaput-Hughes property has inquired as to the possibilities of purchasing the small mill on the Burnside Company, in that the latter in merging with the Tough-Oakes will have no use for its mill. In regard to this, however, only a limited amount of work has been done on the Chaput-Hughes and the ore necessary to operate a mill has not yet been found. The property is well located.

About April 15th, it is officially announced, the Wright-Hargreaves will commence work in connection with installing its new large mill, the machinery for which is already on the ground.

Financial arrangements necessary to assure an extended program of exploration and development work on the Hunton-Kirkland property are being made, and the prospects of success are very bright, is the advice submitted to the correspondent of the Journal by a mining man who is heavily interested in shares in the company.

Arrangements are being made to deepen the shaft on the Elliot-Kirkland, which properties lies directly west of and adjoins the Kirkland Lake Gold Mines. Formerly, work was carried to a depth of 500 feet on the Elliot, and, although the main fractured zone was encountered, yet only a very limited amount of gold ore was found. Now, going on the theory that as the ore body extends to the West the horizon of mineralization dips downward, the Elliot-Kirkland Company will carry their shaft to a depth of perhaps 700 feet, at which point exploration work will be carried on.

A deal for the Stitt property in the township of Grenfell is pending, according to advice received from Kenogami station. The Stitt group of claims will perhaps be remembered on account of the interest which they attracted a few years ago following the discovery of rich gold ore in narrow veins. The geology is very similar and is believed to be the westward extension of that belt which passes through the Kirkland Lake district.

Official information from the Argonaut Gold Mines at Beaverhouse Lake, some twelve miles east from Kirkland Lake is very reassuring. It is stated that the shaft has been completed from the 70-ft. to the 200-ft. level at which point drifting has been carried on for a distance of over 100 feet and with ore averaging about \$9 to the ton over several feet in width. In the meantime the mill is being kept in operation, and by a process of straight amalgamation sufficient production is being maintained to almost offset the current cost of carrying on the desired development work. Tests are being made with cyanide so as to ascertain the process best suited to adopt in the proposed new mill. A force of about fifty men are engaged.

A contract has been let to continue the shaft on the Boston-Kennedy property to a depth of 150 feet where it is proposed to carry on lateral work. The shaft is now down 100 feet. \$10,000 has been subscribed with which to continue on the extra 50 feet and finance the desired amount of drifting.

"Jim" Nelson, owning claims in the township of Baden in the Fort Matchewan district, has organized a new company known as the Thesaurus Gold Mines,

for the purpose of financing the operation of his promising group of claims. Mr. Nelson is a practical mining man who has spent many years prospecting, and who has carried on a large amount of real prospect work on his claims.

In connection with the Fort Matchewan Gold Mines (the Otisse property), it is learned that the ore occurs in lenses more or less widely separated, but that they show a width of from 8 to 30 feet at their widest points. It is stated that in that part of the lenses measuring 8 feet or more in width the indicated average gold content is about \$11 to the ton and that the proposition would appear to be a commercial undertaking of at least moderate proportions.

BRITISH COLUMBIA LETTER.

Stewart, B. C.

The fourth shipment of ore from the Premier Mine, Salmon River District, has been made to the Tacoma (Wn.) smelter. The shipments average 300 tons and the ore is reported to assay about \$275 to the ton. Development are proceeding on the Big Missouri. The tunnel on the Bush Mine is reported to be in high grade ore. The same is true of the Forty Mine. A crosscut tunnel is being driven on the Unicorn. Up the Bear River the crew at work on the Lakeview Mine is in ore. The Indian Mines, Limited, plan to resume development on their four claims situated on the west side of Cascade Creek, opposite the Bush property. Development consists of three opencuts on the crop-pings and two tunnels. The opencuts expose a well defined vein, when can be followed on the surface for about 2,000 feet. The vein is quartz and appears to follow a wide dioritic dyke which intrudes the greenstone schists. The minerals found include galena, sphalerite, and pyrites. With the report that the old Portland Canal Tunnel Company may be revived interest is being manifested in properties of Glacier Creek back of Stewart. The tunnel was an ambitious scheme started in 1912 to run a 2,000 foot tunnel to tap at depth all ore bodies of Glacier Creek, including those of the Portland Canal Mining Co., The Stewart Mining and Development Co., the Glacier Creek Mining Co., Portland Wonder Mining Co., "O.K." and the Pacific Exploration Co. An early opening of the Salmon River District is expected according to advices from the North, the weather having been mild recently, much of the snow in and immediately around Stewart having disappeared.

Alice Arm, B. C.

More high grade ore is reported to have been struck on the Esperanza, Alice Arm District. The Centre Star has been bonded to O. B. Bush, the original purchaser of the Premier, Salmon River. The property adjoins the Last Chance, now bonded to H. B. Price, of New York, and is close to the Moose, owned by Dave Cameron, who staked the Wolf. It is stated that the consideration was \$75,000, there being a small cash payment and an undertaking to commence work before the 1st of July.

New Hazelton, B. C.

On Hudson's Bay Mountain there are a number of promising properties under development. The Mamie, under bond to Seattle capitalists, is attracting attention. J. D. Galloway, District Engineer, reporting in 1917 said of this property that the ore-minerals disseminated through the gangue in bunches and stringers are zinc-blende and arsenopyrite, together with a little chalcopyrite. The main value in the ore is zinc, but the arsenopyrite carried low gold values.