

sure. The crank discs are finished all over and to insure accuracy they are turned and the holes for the crank pins bored after the discs have been pressed on the crank shaft.

The usual practice of casting the drum shaft bearings integral with the side frames has been departed from by casting them separately and bolting them to the frames. A high grade of babbit is used in these bearings, which are adjustable for any wear which may occur. The drum is made from a tough, close grained, grey iron casting, turned, bored, and tested for balance, and a good running fit on its shaft. The drum bearings being bolted to the frames, permit accurate alignment of the drum and engine shafts, and ensure easy running gears. A heavy brake ring is cast on one end of the drum and on the other is a friction of the heavy "V" type, which has demonstrated its efficiency for this class of service. The brakes are proportioned so as to have a holding capacity considerably in excess of the maximum load which the hoist is capable of lifting; a feature which should be of value in emergencies, or should the hoist be accidentally or intentionally overloaded. The drum driving gear and shrouded pinion are made from semi-steel, a material which has been found well suited for this purpose. The pinion is fastened to the crank shaft by a large key allowing it to be easily removed when necessary.

When reversible engines are desired the hoists are fitted with a Stephenson reverse gear, operated by a hand lever with quadrant and locking latch which is placed near the clutch and brake levers in a bank at the operator's stand within convenient reach of the throttle facilitating the easy operation of the hoist.

The Canadian Ingersoll-Rand Company, also build two styles of hoists of smaller capacities than their new "CIRCO" hoists, known as the "Little Tugger," and the Special. The former is of the Duke or square piston type, and the latter is of the diagonal reciprocating type with trunk pistons. Either of these hoists may be arranged for operation on steam or compressed air. Being of simple rugged construction, and requiring no special foundation, they may be readily moved from place to place, are easily handled by unskilled labor, and are particularly adapted to light hoisting and hauling jobs in winzes raises and prospect shafts, such as handling drills, mountings, steels, timber, muck, or for hauling small ore cars up a grade, and similar classes of work within range of their capacity, which in the case of the Special is 1,400 pounds and 1,000 pounds in the "Little Tugger."

INSTITUTION OF MINING AND METALLURGY OPPOSED TO NATIONALIZATION OF COAL MINES.

The following resolutions were adopted by the council of the Institution of Mining and Metallurgy at a meeting specially convened for the purpose held on the 23rd ult.:—"That the council of the Institution of Mining and Metallurgy, as representing the technical interests of important national industries consuming large quantities of coal, view with grave concern the serious diminution in production and increase in the cost of British coal, which have developed since the present trend of Government intervention became operative." "That the council consider that the published evidence given before the Coal Industry Commission has failed to establish either the necessity for, or the expediency of, the nationalization of the coal

mining industry." "That the council are strongly opposed to the State ownership of the coal mining industry, as they are of the opinion that there is no evidence to support the assumption that nationalization would result in an increased output or in a reduction of labor stoppages." "That the council are prepared to acquiesce in the recommendation embodied in the Report of the Chairman of the Commission for the acquisition by the State of coal royalties, with the proviso that "fair and just compensation to the owners" be paid." "That a copy of the foregoing resolutions be sent to the Prime Minister."

MANITOBA

The Pas, Aug., 6.—Mr. J. P. Gordon returned from his claims north of Copper Lake bringing with him samples of quartz. These consist of lumps of quartz, some of them weighing many pounds, matted by string and leaf gold that form fully 50 per cent. of the mass. The gold is as massive in the quartz as the silver in calcite at Cobalt. The vein is said to be six feet wide and parallels the big dike.

The original discovery was made by an Indian prospector, Jacob Cook, some time ago, and it was while investigating this that Mr. J. P. Gordon made a further and richer discovery.

Other prospectors took up the hunt, and now the vein has been traced for 6,000 feet, the samples shown being taken from a depth of three feet.

A considerable number of claims have been staked in the locality, the best known being the Peterson group which lie a little to the north of the Gordon discovery.

The new discovery is only some 70 miles from The Pas as the crow flies, but owing to lack of transportation facilities prospectors are compelled to travel nearly twice that distance by following the waterways to reach the gold fields.

John W. Callinan, of the Flin-Flon properties headed for the new find yesterday in his own motor boat. He thinks the discovery is a big thing.

Messrs. Hassett, Owens and quite a number of others interested in mining matters, left for the Gordon-Peterson claims, north of Copper Lake on Tuesday night's Ross boat.—From the "Herald."

BEATRICE MINE, CAMBORNE, B.C., TO RE-OPEN.

The "Journal" is officially informed that R. R. Christie, of the New Era Mining Company, bondholder for the Beatrice Mine, has left for Camborne with a crew of men to re-open this well-known silver mine, and that it is the intention of the company to keep a fair-sized crew on the ground all winter.

Hazelton, B. C.

The Rocher de Boule Mine has been closed down and it is doubtful whether development will be continued this season.

Nelson, B. C.

After a period of idleness of some years the McAllister mine on the north fork of Carpenter Creek, near Three Forks, is resuming operations. It has been taken over by the Slocan Silver Mines, Limited, F. W. McDonell being foreman. This is a well-known property. It has been developed on three levels, and has a dry silver ore.