

angle to insure a complete discharge of the contents. The wheels are heavily chilled and fitted with dust caps on the outside and a collar on the inside, which prevents the dirt from getting into the journals. The axles are of round steel, and run loose in the boxes, and the



wheels in turn running loose on the axles. This method of construction makes them very easy running. The cars are made in four sizes of 1,000 lbs., 1,200 lbs., 1,600 lbs. and 2,000 lbs. capacity, respectively. They are manufactured and kept in stock by the Joshua Hendy Machine Works, of Nos. 38 to 44 Fremont street, San Francisco, the well known manufacturers of high-grade quartz mining and milling machinery, who will furnish catalogues and prices upon application.

THE ATHABASCA MINE AND CANADIAN SHAREHOLDERS.

THE attempt to reconstruct for a second time, the Athabasca Company in London, has been effectually frustrated by the action of a Mr. E. E. Weber, of New Westminster who, with the knowledge and consent of other Canadian shareholders, applied for and obtained an order from the courts for the winding up of the concern. In the petition supporting the application for the winding up of the company, it is stated that the debts of the company are in the neighborhood of \$50,000, the greater proportion of which is owing to people in this Province. It is further stated as believed by the petitioner, that it is the intention of the liquidator of the Athabasca, who was appointed at a meeting of the company held in London on the 7th of August, to convey the property of the company to a new company to be formed, which new company will pay for the same by the issue of stock assessable to the extent of five shillings or more on the pound, which assessment if made will produce \$125,000 or more. This call, it is set out, is excessive and unnecessary, and payment thereof will be beyond the means of many of the shareholders of the company, and that through failure to make payment of such call such shareholders will lose their interest in the company. The petitioner further sets out his belief that in the event of the company being wound up that its property could be sold at a price which would pay all of its indebtedness and leave a considerable margin to divide among its shareholders.

The granting of the winding-up order by the courts will seem to set at rest the repeated reports that an early start is to be made in the resumption of work at the mine, and that when it does resume either the Canadian or English shareholders, or both, will be out of it. Locally, the opinion seems to be that the English shareholders are anxious to proceed with reorganisation with sufficient assessment on the stock to wipe out all the liabilities and leave a substantial margin for development purposes, but that the Canadian shareholders are more concerned in getting out of the concern without further loss.

PATENT OFFICE REPORT.

MR. ROWLAND BRITTAIN, patent attorney Vancouver, forwards us the following list of patents issued to British Columbia inventors during the past month:

C. Cliff, New Westminster, Canadian patent on the Construction and

Method of soldering the covers of butter cans. Under this patent the tinned surfaces of can and cover are brought together at the outer edge of the can, so that the heat of soldering is not communicated to the contents, and the work is effected in a quicker and more efficient manner.

C. Ramos, Vancouver, Canadian patent on a Gold Gravel Washer, is for the rapid washing and concentration of gold from the gravel, and is particularly designed to handle the dirt in large quantities.

W. Nelson Le Page, of Vancouver, whose name has been associated for some time on this coast with efforts for the recovery of glue, etc., from the fish offal of the canneries, received his Canadian patent on an Improvement in Dryers to effect the more rapid removal of moisture from the fish guano residue.

B. C. Riblet, Nelson, a U. S. patent on a Tramway Derrick, an Automatic Bucket Loader, and also an Automatic Dumping Bucket, all for wire-rope tramways.

D. J. Matheson, Nanaimo, Supplementary Door Fastener which may be readily carried in the pocket, and being inserted from the inside between the jamb and the door, effectually prevents the door being opened from without.

CATALOGUES, CIRCULARS AND TRADE NOTICES.

COAL MINING MACHINERY AT FERNIE.

OF late several important additions have been made to the machinery equipment of the Crow's Nest collieries, and other improvements in this direction are immediately contemplated. Orders have recently been placed with the James Cooper Manufacturing Co., of Montreal, for three compressors each capable of compressing 1,400 cubic feet of air per minute and of operating ten coal-cutting machines. One of these is now on the way, while the remaining two are building at Montreal. The Crow's Nest Co. is also installing two 40 h. p. engines and two 75 h. p. hoisting engines.

HERCULES WIRE ROPES.

Messrs. the A. Leshea & Sons Rope Co., inform us that they have removed their Chicago office from South Canal street to 137 Lake street. In the warehouse at this latter address a large and complete stock of wire, manila, sisal ropes, packing waste, pulley blocks, sheaves and wire fittings and other supplies will be carried. This firm, as of course our readers are aware, are the sole manufacturers of the famous make of wire rope known as the "Hercules," in addition to which the firm are also sole manufacturers of Patent Flattened Strand Wire Rope and Patent Aerial Wire Rope Tramways. The factory, main offices and warehouses, are at St. Louis, but branch offices and warehouses have also been established at Chicago, New York, (92 Centre street), and San Francisco, (85 Fremont street).

A NEW STEAM STAMP MILL.

We have received from Mr. J. C. Y. Crofts, M. I. Mech. E., of Nelson, the British Columbia representative of the manufacturers, Messrs. Hathorn & Co., of London, England, a pamphlet of a new steam stamp mill which with crusher, feeder, plates, pump and one complete set of spares (shoes, dies, amalgam plate, one cylinder and stem) is sold, delivered at Nelson or Vancouver, at the sufficiently moderate price of \$2,350. We hope shortly to give a detailed description of this plant, which is seemingly exceptionally adaptable to the needs of prospectors and others in connection with the operation of free-milling prospects in the initial stages of development.

BELT CONVEYORS.

The recently issued new catalogue of the Robins Conveying Belt Co., of 18-21 Park Row, New York, is a most excellent example of artistic printing and workmanship. The booklet contains in all seventy-two pages, a heavy plate paper being used on which the exceptionally fine and numerous illustrations show to very great advantage. These illustrations are for the most part half-tone reproductions from photographs of typical installations—a collection of seventy-six views—while parts and arrangements of the system are also illustrated. Robins Belt Conveyors are successfully applied to the following services:—

Carrying ashes, broken stone, cement, chips, clay, coal (anthracite), coal (bituminous), coke, concrete materials, culm, earth, excavated material, gravel, limestone, ore, (copper, gold, iron, lead, zinc), oxide, oyster shells, pyrites, rock, sand, slag, tailings, waste; at boiler houses, cement plants, chemical works, coal breakers, (pockets, shipping piers, storage yards, washeries), coke plants, concrete mixing plants, contractors' operations, copper mines, crushing plants, culm banks, cyanide plants, expositions, gas works, gold mines, iron mines, lead concentrating plants, magnetic separating plants, power houses, pulp and paper mills, sand and gravel plants, stamp mills, steel and iron works, stone crushing plants, and on dredges.

THE FAIRBANKS CO'S BRITISH COLUMBIA BRANCH.

The Fairbanks company, Montreal, have opened an office at 514 Granville street, Vancouver, in charge of Mr. A. C. McDonald. This step was found necessary on account of the firm's large and increasing business in British Columbia. The Fairbanks company are now sole