

Mica Boiler Covering Co., Limited, 86-92 Anne St., Montreal, have been appointed agents for James McCrea & Co., Chicago, and carry a complete stock up to 12 inches of the Climax Steam Joint Clamps, manufactured by that company. They are in a position to fill all orders immediately on receipt.

For the better distribution of its products, the Dodge Manufacturing Company, of Toronto, Limited, manufacturers of the celebrated Dodge pulleys, and many other lines now prominently on the market, will open commodious quarters at 419 St. James street, Montreal. A competent staff will have the new branch in complete running order by January 15th.

The Goldie & McCulloch Co., Galt, Ont., have installed a light and power plant in their factories, comprising 400 incandescent lights, 80 arc lamps, and a number of Bullock variable speed motors. The motors are geared direct to large lathes and planers, and are reversible, and can be run at any speed by means of a controller within reach of the machine hand. Current is generated at 250 volts, direct current, but through the medium of a balancer is delivered to motors at three different voltages. The firm furnished their own material and the entire plant was installed by H. F. Strickland, Toronto.

C. M. Rudel, late of the American Tool Works Co., of Cincinnati, has accepted the position of machinery department manager of the Fairbanks' Company, for Canada, with headquarters at Montreal.

When connected with the Cincinnati firm, Mr. Rudel had charge of the railway business and contract department. He has been identified with the machine tool business for some time, and the experience and ability which he brings into his new position will no doubt result in still further augmenting the rapidly in-



creasing business of this progressive firm.

The Fairbanks Co., 41 Front Street West, Toronto, have been awarded the contract for the installation of a steel waggon scale, to be placed in the roadway directly west of the King Edward Hotel. As traffic would be constantly passing over this scale, and as it is about thirty feet above the floor of the boiler-room below, the problem presented was somewhat difficult, but it has been satisfactorily solved. A coping of 18-in. "I" beams around the scale is provided, to which the corner irons of the scale are rivetted. The scale levers hang from these corner irons; and a novel protection device is added in the shape of structural steel material hanging from the coping just below the levers of the scale, so that if at any time, through accident any of the pivots of the scale should break, there will be no danger of the scale dropping through to the basement below. The scale platform, of structural steel, is built by means of "I" beams running in both directions, and the whole platform is covered with $\frac{3}{8}$ inch boiler-plate, on top of which are put asphalt paving blocks, the top platform of the scale being on an angle to conform to the curvature of the roadway. The double beam will rest on a short iron pillar outfit in the boiler-room below. The total weight of steel and iron in this scale is over 9,000 pounds.

The Westinghouse Company have secured, through Westinghouse, Church, Kerr & Co., an important export order from the Manila Construction Company, an American corporation, operating in Manila, P.I., for a complete city traction power equipment, comprising the following machinery: Three 750-K.W. Westinghouse turbo-generator units, two compound engine exciter units, one motor-driven exciter unit, three 500-K.W. rotary converters, one 300-K.W. rotary converters, four 250-K.W. oil-insulated transformers,

complete switchboard, and one series booster mounted on the extended shaft of one of the rotary converters. The car equipments will comprise ninety double No. 68 C. outfits, and ten double No. 56 outfits, using standard Westinghouse controllers. The first turbo-generator unit will be delivered in about nine months. The turbine will operate at 150 lbs. steam; 26-in. to 27-in. vacuum, and 150 deg. superheat. It is fitted with the usual by-pass for securing an overload capacity of 50 per cent. It is also equipped with a quick-closing throttle valve. The turbo-generators will furnish three-phase, 60 cycle current at 380 volts; part of the current will be converted to D.C. by the power house railway sub-station, and the remainder will go to transformers for supplying high-tension distributing system. The transformers are oil-cooled and connected in the two-phase, three-phase, or Scott system for three-phase transmission. The turbine machinery will also furnish current to the local light and power system.

MINING MATTERS.

The Brookfield Mining Co. will erect a cyanide plant.

The Oderin copper mine, Newfoundland, will be worked in the spring.

The Pugwash River Company, of Gloucester, Mass., will develop copper areas at Upper Pugwash, N.S.

The Dominion agent, at Birmingham, is enquiring for mica boiler coverings and asbestos in large quantities..

The McDonald corundum mine, near Palmer Rapids, Ont., promises a big yield. P. Kirkegard, Delora, Ont., is manager.

Cape Breton, N.S., has six collieries under the water, Broad Cove, Mabou, Port Hood, Old Sydney, Sydney No. 2, and Newcastle.

The Acadia Coal Company are sinking two shafts at Ford Pit, N.S. They also will build a wharf at Pictou Landing to cost \$40,000.

The New Brunswick Petroleum Company, Limited, of Moncton, will erect a refinery, with a capacity of 300 barrels a day, at Memramcook.

L. Merritt, of Duluth, is exploiting for iron ore on Hunter's Island. In the spring drills will be put in operation if the best test pits warrant it.

It is stated that the antimony mines, at West Gore, N.S., will employ one hundred men at the beginning of the new year. An up-to-date plant has been installed.

An important discovery of asbestos has been reported to the Bureau of Mines by Willis Brown, of Buffalo. The property is in the township of Kaladar, Addington County.

It is reported that garnets, opals, and tourmalines have been found near Lac du Bonnet, forty miles from Winnipeg. An expert says the clay formation is the same as at Kimberley, and diamonds may yet be discovered.

Councillor Stoness, of Kingston, Ont., reports a movement on foot to extend the northwest branch of the Rideau Canal from Tett's Mills to Desert Lake. This will open up a large zone of mica, phosphate, iron, and feldspar beds.

Fire destroyed the machine shop of the Rarig Engineering Company, at Sydney Mines, last month. Loss, \$30,000, and two hundred men out. The company was constructing blast furnaces for the Nova Scotia Steel Company. All the machinery was ruined.

The Craig mine, near Bannockburn, Ont., will run again soon. The Rand Drill Co., of Sherbrooke, Que., are installing a compressor plant, boilers, hoists, etc. A 20 ton stamp mill will be erected next spring. W. A. Hungerford is superintendent.

The Deputy Commissioner of Mines states that from present indications, the find of nickeliferous copper at Cheticamp in the northern part of Cape Breton will rank among the largest copper mines in the world. The ore appears to be an almost solid mountain of mineralized rock, the ledge rising over a thousand feet.