

## NEW INCORPORATIONS.

**Hamilton, Ont.**—Inland Navigation Company, \$2,000,000. G. L. Staunton, A. O'Heir, F. Morison.

**Montreal.**—Municipal Contracting Company, \$100,000; V. Morin, A. H. Desloges, T. Sutton. Special Machinery Manufacturing Company, \$49,000; L. Engelhorn, J. Vanderslice, J. R. Beaudry.

**Brandon, Man.**—Great West Grain Company, \$50,000. C. H. Lamontagne, J. H. R. Gillespie, C. H. Lamontagne.

**Haileybury, Ont.**—Vipond Mining Company, \$1,000,000. H. D. Graham, E. A. Wright, T. H. Jessop.

**Blind River, Ont.**—Blind River Driving Company, \$25,000. R. S. Waldie, J. R. Meredith, M. C. Cameron, Toronto.

**Ottawa, Ont.**—King George Mining Company, \$750,000. R. E. G. Burroughs, Smith's Falls; R. K. Farrow, G. T. Brown, Ottawa.

**Holstein, Ont.**—Defiance Handle and Turning Company, \$40,000. D. J. Davies, J. Galloway, A. J. Buller.

**Toronto.**—York Construction Company, \$100,000; W. B. Russel, C. W. Dill, S. Johnston. McFall, Limited, \$100,000; J. McEwen, F. T. Treleaven, E. Heyes. Canada Glass Mantels and Tiles, \$150,000. C. W. Thompson, E. W. Wright, J. I. Grover.

**London, Ont.**—Otto Lake Mining Company, \$500,000. C. S. Tamlin, T. W. McFarland, R. J. Webster.

**Inwood, Ont.**—Inwood Coal and Lumber Company, \$40,000. G. White, J. Thomas, F. Carson.

**Quebec Province.**—Eastern Lumber Company, \$6,000; S. Vallee, L. P. Dube, A. Roy, St. Pierre. La Compagnie de Gaz et Petrole de Saint Barnabee, \$20,000; S. Girard, P. Blouin, P. Leblanc, St. Barnabee.

**British Columbia.**—Pacific Coast Coal Mines, \$3,000,000. South Kelowna Land Company, \$100,000.

## PATENTS.

Below will be found a list of patents recently granted to Canadian inventors in Canada and United States, which is furnished by Messrs Fetherstonhaugh & Co., barristers and solicitors, Toronto, Ottawa, Winnipeg, and Montreal:—

**Canadian Patents.**—F. J. Watkinson, Strathroy, Ont., combined automatic duster and brakes for window blinds and shades; E. S. D. Laws, Sherbrooke, Que., loom shuttles; H. E. Vipond, Montreal, Que., cork extractor; W. L. Wilson, Toronto, Ont., railway joints; J. C. King, St. Catharines, Ont., manufacture of calcium of carbide.

**United States Patents.**—G. A. Bothwell, Owen Sound, Ont., locomotives.

The firm of Allis-Chalmers-Bullock is opening up the season with every prospect of activity for some time to come. In reply to a number of questions by the representative of the Canadian Engineer, Mr. J. A. Milne, general manager of the company said: "Orders booked during December, January and February have been largely in excess of those for the corresponding period of last year. Our experience, in this respect, may be due to the fact that we manufacture a number of different lines and are therefore not dependent upon any one line, which, in the event of reverses in the business, for which the line is adapted, would play havoc with the manufacturers. We are experiencing an excellent demand from the Cobalt mining camps as well as from the far West. The activity is principally to hydro-electrical development for different purposes throughout the length and breadth of the Dominion. This form of power is becoming more popular day by day, and as a result we are being kept busy supplying turbines, generators, and other equipment. Just now the outlook is quite encouraging."

## POWER PRESSES.

The requirements of armature work for electrical motors and dynamos have led to the construction of presses which differ in essential points from those used for other styles of sheet metal work, though modifications of double crank presses are extensively employed in this line of manufacture. We illustrate in Figs. 1 and 2 three types of presses especially adapted for producing armature disks

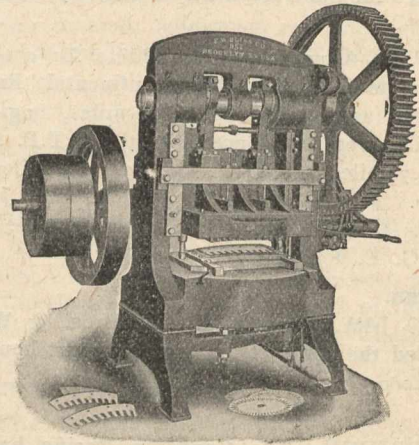


Fig. 1.

and segments. The presses in Figs. 1 and 2 are designed for simultaneously cutting the inside and outside of plain rings, with or without key notches, such as are shown on the floor in Fig. 1, or for cutting complete disks or segments, as shown on the floor in Fig. 2. The presses are supplied with automatic knockout attachments for removing the cut blanks from the die and punch, as may be seen from the illustrations. The presses are built in a number of sizes.

Rings, disks, or segments as they come from these presses are ready for notching by means of the machine shown in Fig. 2. This latter machine is for automatically notching plain armature disks. The disk to be notched is placed on a rotating table, the treadle is depressed, and the disk is automatically revolved until the required number of notches have been cut, one or more notches being cut each stroke of the press. After the disk has made a complete revolution the action of the slide will automatically stop. Presses of this type are capable of notching disks from 3 to 60 inches in diameter, and are also made with special attachments for notching segments for disks of any diameter. In addition to the machines mentioned a large number of similar tools are used for the manufacture of sheet metal products. In conclusion, we briefly mention some of the more important ones, as wire handle and wire ring machines, can-body forming, trimming and beading,

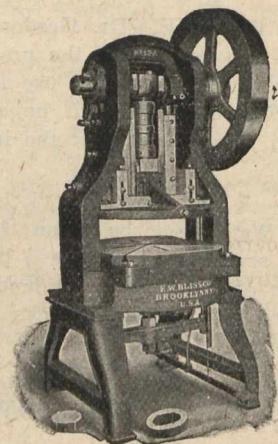


Fig. 2.

notching, crimping, flanging machines, soldering moulds, solder cutters, and soldering machines.