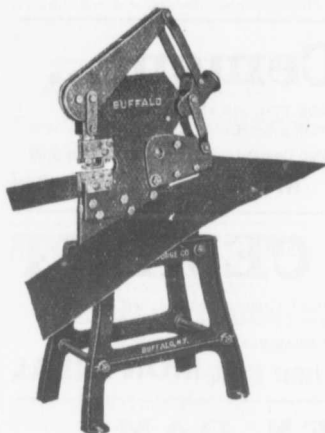


A NEW BUFFALO CONTINUOUS SHEAR, PUNCH AND BAR CUTTER.

During the past three years quite an extensive line of armour plate punches, shears, and bar cutters, comprising in all some 32 machines,



has been brought out by the Canadian Buffalo Forge Company, Montreal. The machine illustrated in the act of shearing a plate is a new addition to this line which has just passed through several months of practical use to test the various points of merit claimed for it. One

special feature is the provision for shearing any length without binding or crimping by placing an ingenious device between the top and bottom plate to prevent any tendency in this direction.

The machine is built in three sizes, known as Nos. 2½, 3½ and 4½, weighing respectively 150, 320 and 460 pounds. The smallest will punch ¼ inch holes in ¼ inch plates, split plates of No. 12 gauge, cut round iron up to ½ inch in diameter and ¼ x 1 inch flat stock. The intermediate size punches ⅜ x ⅜ inch, splits No. 10 gauge and cuts ⅝ inch round and 5/16 x 2 inch flat bars, and the largest punches ½ x ¾ inch, splits No. 8 gauge and cuts ¾ inch round and ¾ x 2½ inch flat bars.

The frames are made of armour plate and the other parts consist of drop forgings and crucible steel, with the exception of the stand, which is of cast iron. The bearing surfaces are machined and carefully fitted to eliminate lost motion. The jaws of the shears are of tempered crucible steel, and it is claimed will not give at the ends or spring and will not break under continual use at the rated capacities.

The use of much sheet metal in the company's works led to the development of these tools, where lightness, strength and indestructibility were important qualifications.

Originally they were offered to the blacksmith trade only, but they have proved to be very convenient for workers in structural iron, and are now presented to the metal working trades in general.

The complete line includes machines for almost every use that may arise in these trades.

It is reported that Lee & Cunniffe, contractors, Hamilton, Ont., have assigned to W. G. E. Boyd.

The McKinley Darragh Savage Mines have purchased from Allis-Chalmers-Bullock, Limited, of Montreal, a large amount of mining machinery, including a powerful cross-compound air and compound steam Ingersoll air compressor, Ingersoll rock drills, two 80 h. p. boilers, a feed water heater condenser, air pump, Lidgerwood standard mining hoisting engine air receiver, etc.

At the annual meeting of the Ontario Portland Cement Company, Limited, which was held at the company's office, Brantford, Ont., on December 1st, the directors report and the auditor's statement were received and found to be entirely satisfactory. The following officers were elected: E. L. Goold, president; W. S. Wisner, vice-president; W. G. Elliott, managing director, and S. H. J. Reid, secretary.







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