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LONDON, - ONTARIO,

MANUFACTURERS OF

Machinist--and--Brass--Finishers'--Tools.

L. A. MORRISON, with A. R. WILLIAMS, General Agents, TORONTO, ONT.

Established 1849.

Incorporated 1884

THE DETROIT SAW WORKS

MANUFACTURERS OF



CIRCULAR, GANG, MULAY, DRAG AND CROSS-CUT SAWS,

Moulding and Planing Knives, French Hand Saws, Emery Wheels and General Mill Supplies.

We guarantee to make a better Saw for the same or less money than any Saw manufacturer in the country. It will pay you to send for our catalogue and prices. 66, 68, 70 & 72 Fort St. East, DETROIT, MICH.

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SOLE MANUFACTURERS OF THE

Bostwick Steel Gates and Guards

FOR BANKS, WAREHOUSES, PRISNS, VAULTS AND DWELLINGS.

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Iron and Wood-Working Machinery,

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Boilers,

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Hangers,

Pulleys,

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RAILWAY EQUIPMENT.

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GODERICH FOUNDRY AND MACHINE WORKS.

RUNCIMAN BROS. - PROPRIETORS.

WE ARE MANUFACTURING AND SELLING ALL KINDS OF MACHINERY FOR

GRADUAL REDUCTION ROLLER MILLS

— WILL FURNISH PLANS AND SPECIFICATIONS FOR —

FLOUR MILLS, SAW MILLS,

STEAM ENGINES AND BOILERS



We make valuations of all kinds of Machinery when required; we also take contracts to furnish Gradual Reduction Roller Mills with all the Latest Improved Machinery, and hand them over in complete working order, guaranteeing good results. MESSRS. R. and JAMES S. RUNCIMAN will look after the mill work, and give their personal attention to all contracts, and from their long experience in mill work, parties trusting them with contracts may depend on having the work well done. We have a very complete stock of Patterns for mill work and other things, and parties in want of Castings can be supplied here by sending in their orders.

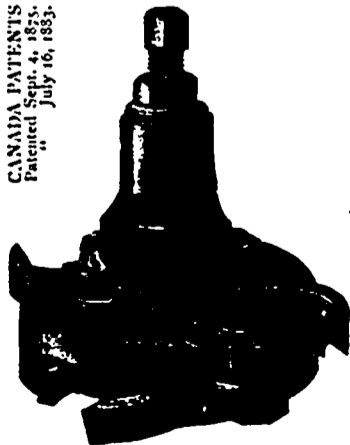
We are making Roller Frames and Cabinets for small or large Mills, using the Genuine American Ansonia Chilled Rollers, Corrugated and Smooth, as follows: 6x12, 7x14, 9x14, 9x18 and 9x24, neatly fitted up and belted at both ends. They run perfectly noiseless.

Centrifugal Reels for Bolting Flour, Bolting Reels with Double Conveyors, Scalping Reels, Purifiers to Clean Middlings, Flour Packers, Out and Cackle Separators, Smelters, Brush Machines, Dust Catchers, Bolting and Wire Cloth, and all kinds of Mill Furnishings.

MILL AND OTHER REPAIRS ATTENDED TO ON SHORT NOTICE.

Steam Engines and Boilers made, and set up to order. Some second hand Engines and Boilers for sale. SEND FOR PRICES.

CANADA PATENTS Patented Sept. 4, 1875. July 16, 1883.



TONGUE HEAD.

The SHIMER MATCHING HEADS

Have been Awarded

A World-Wide Reputation

By actual Every Day Work in Almost every Planing Mill.

UPWARDS OF 11 000 NOW IN USE.

The Cheapest, The Strongest, The Most Durable,

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Matcher Heads in the World.

THEY FINISH HARD

Cross-Grained & Knotty Lumber

Neatly, showing Clean Edges, and often

Save their Cost in One Day's Run.

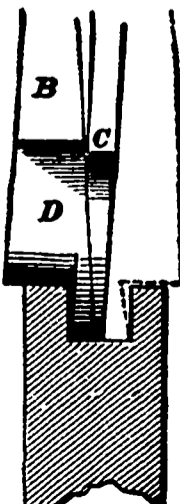
SAMUEL J. SHIMER,

(Successor to SHIMER & CO.)

MILTON, PA., U.S.



FIG. 1—A New Cutter.



THIS diagram represents a Bit (D) in the position it occupies when making a cut (the Bit 'C') which follows to complete the work is given in outline. This explains the division of cut and the free and easy working of the Tool. The bits are arranged in upper and lower series, and secured to a Head having seats alternately inclined for the purpose of giving the side clearance to their cutting points. This

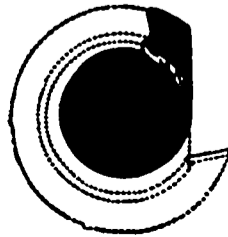


FIG. 2—CUTTER NEARLY USED UP. A. R. Williams, Toronto



GROOVE HEAD.

explains why these Bits hold their shape and run out standard work until used up; the entire circle of Bit being too cutting edge—see Figs. 1 and 2. The Head carries its weight low down and in line of cut, and runs like a Top.

SELLING AGENT,

Toronto

U. S. PATENTS. Patented Jan. 26, 1875. July 27, 1875. Re-issued Oct. 12, 1880. Patented July 15, 1883.