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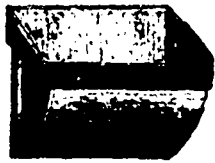
Established 1849. **THE DETROIT SAW WORKS** Incorporated 1884  
—MANUFACTURERS OF—



**CIRCULAR, GANG, MULAY, DRAG AND CROSS-CUT SAWS,**  
Moulding and Planing Knives, French Band Saws, Emery  
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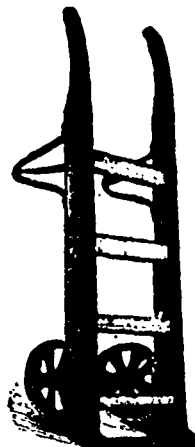
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MANUFACTURERS OF ALL STYLES OF  
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WE MAKE A SPECIALITY OF

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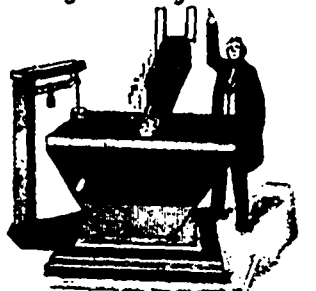
ALL STYLES OF TRUCKS  
*Unequalled for Excellence, Durability and Elegance of Finish.*

## EVERY SCALE

TESTED TO ITS FULL CAPACITY, INSPECTED  
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# The SHIMER MATCHING HEADS

Have been awarded

## A World-Wide Reputation

By actual Every Day Work in Almost every Planing Mill.

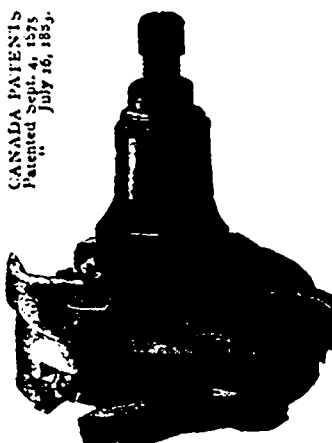
**UPWARDS OF 11 000 NOW IN USE.**

The Cheapest, The Strongest, The Most Durable,

—AND YET THE—

**LIGHTEST AND EASIEST RUNNING**

Matcher Heads in the World.



TONGUE HEAD.

TEA FINISH HARD

**Cross-Grained & Knotty Lumber**  
Neatly, showing Clean Edges, and often

Save their Cost in One Day's Run.

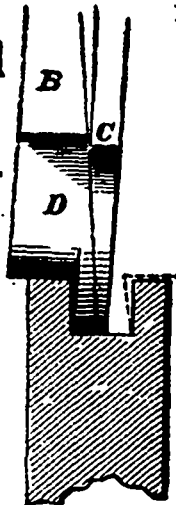
**SAMUEL J. SHIMER,**

(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

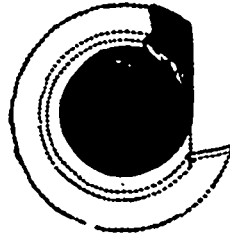
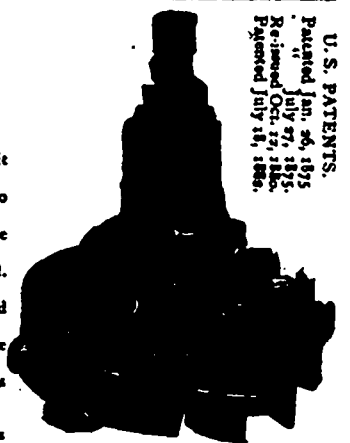


FIG. 2—CUTTER NEARLY USED UP. A. R. Williams, - - - Toronto

explains why these Bits hold their shape and turn 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.



GROOVE HEAD.

SELLING AGENT,

# \*MILLERS\*

## STUDY YOUR OWN INTEREST

And read the following letters:

W. B. BRAGG, Esq.

Erin Roller Mills, Jan. 21, 1887.

Dear Sir: Our mill, after being refitted with a full set of rolls by you, has given complete satisfaction from the start, being easily driven, never chokes, and runs like magic. The planing and millwright work shows a high degree of skill and thorough workmanship. We have not yet found a single fault. We are making an excellent grade of flour, with a yield considerably under 4 bushels and 30 pounds. Should it be in our power, we shall heartily recommend you to anyone requiring machinery or work in your line.

Yours very truly,

THOS. HELL,  
Proprietor Erin Roller Mills.

W. B. BRAGG, Esq.

Erin Roller Mills, Jan. 20, 1887.

The mill runs like a top. The chain drives are A 1, they run so quietly and easily. The speed of machines seems about right. The stock from the rolls is invariably cool. You have solved the problem of the "speed of elevators" in this mill; they discharge perfectly and are dustless; spouts flowing into them can easily be left open. I never had or saw less trouble in running any mill, and when Mr. Hell communicates with you, I think you will find he is more than satisfied. Trusting you will have the success your marked abilities deserve.

I am, yours respectfully,

JAMES W. HORN, Miller.

**GENUINE SAMPLES AND GUARANTEED GENUINE YIELDS SENT ON APPLICATION.**

*The above mills were programmed by myself, on an entirely new system, which is an undoubted success.*

**NOT AN INCH OF SILKS WAS ALTERED, NOT A NAIL WITHDRAWN,**

*which shows that mills can be built perfect at last, by*

**—THE MILLER'S FRIEND,—**

**W. B. BRAGG, PRACTICAL MILLWRIGHT,**

**Rockwood,**

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