T. J. Shannon,

Molding Cutter.

No. 99,716. Patented Feb. 8. 1870.

FIG. 1.

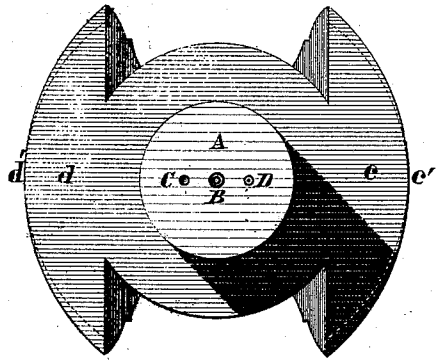


FIG. 2.

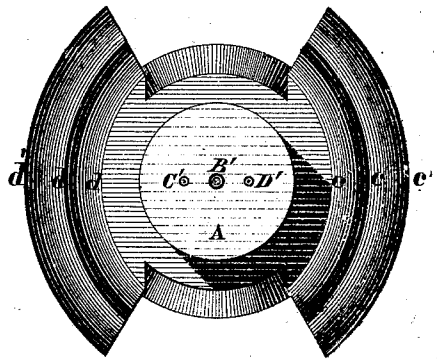
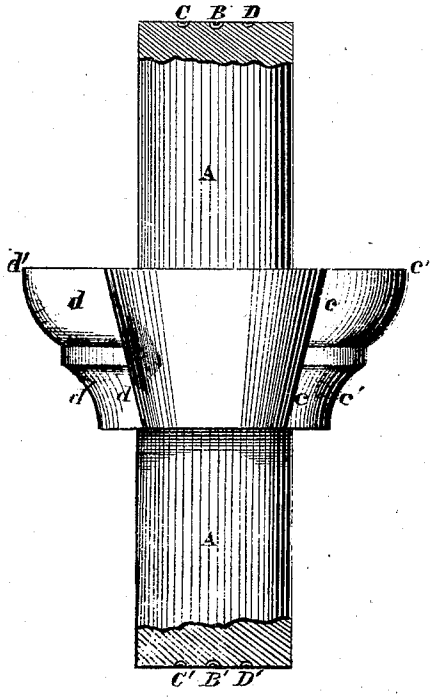


FIG. 3.



INVENTOR.

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ATTEST

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United States Patent Office.

THOMAS J. SHANNON, OF LAWRENCEBURG, INDIANA, ASSIGNOR TO HIMSELF AND JAMES L. HAVEN & CO., OF SAME PLACE.

Letters Patent No. 99,716, *dated February* 8, 1870.

IMPROVEMENT IN MOULDING-CUTTER.

The Schedule referred to in these Letters Patent and making part of the same.

I, THOMAS J. SHANNON, of Lawrenceburg, Dearborn county, Indiana, have invented a new and useful Friezing or Moulding-Cutter, of which the following is a specification.

Nature and Object of the Invention.

My invention relates to a form of rotary cutter for the manufacture of wooden mouldings and other objects, whose periphery is turned from centres eccentric to that of its shaft, so as to afford proper "lead" or saliency of the cutting-edges, and to relieve the periphery of the cutter from contact with the stuff.

General Description with Reference to the Drawings.

Figures 1 and 2 represent the opposite ends of my cutter.

Figure 3 is a side elevation thereof.

A is a short mandrel, which occupies, during construction, a corresponding eye or hole in the cutter, and has, in addition to the customary "pricks" or "centres" B B′, for the points of the lathe in turning of the concentric portions, two other pairs of centres C C′, D D′, equidistant from and on opposite sides of the centres B B′.

From the centres C C′ is turned the periphery *c′* of the double-pointed or right-and-left blade or bit *c*, said periphery having thereby sufficient eccentricity imparted to it for the point of the blade to readily enter the substance of the stuff, without the loss of power and imperfect cutting-action to which the heads with concentric peripheries are subject.

In like manner, the periphery *d′* of the blade *d* is made eccentric by being turned on the centers D D′.

In practice, my cutter, after being thus prepared, may be removed from the mandrel, and keyed or otherwise firmly secured to its shaft in the usual manner.

I have selected for illustration two double-pointed blades, adapted to cut either right or left.

Claim.

I claim the herein-described moulding-cutter, whose periphery is formed by two or more eccentric circular arcs, in the manner substantially as specified.

In testimony of which invention, I hereunto set my hand.

THOMAS J. SHANNON.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.