2 Sheets—Sheet 1.

M. V. BAVIS.

Rotary Cutter-Head

No. 221,020. Patented Oct. 28, 1879.

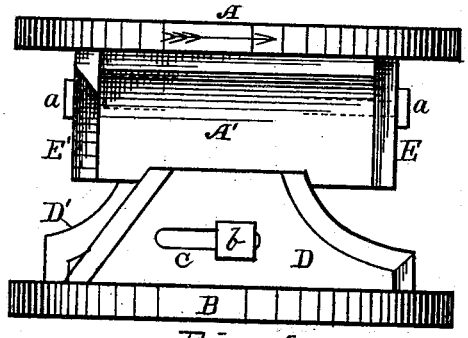

Fig. 1.

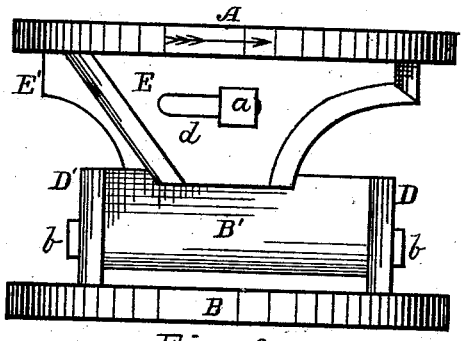

Fig. 2.

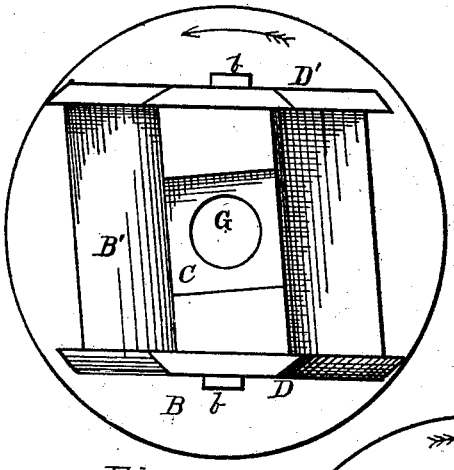

Fig. 3.

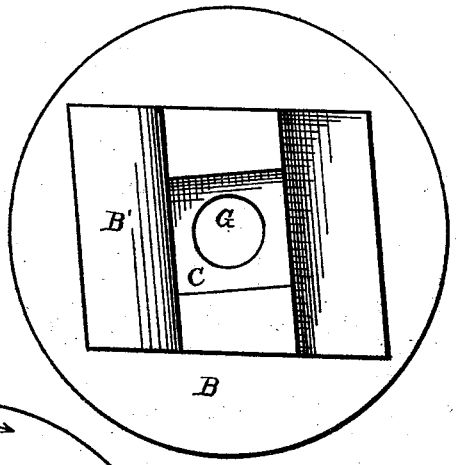

Fig. 4.

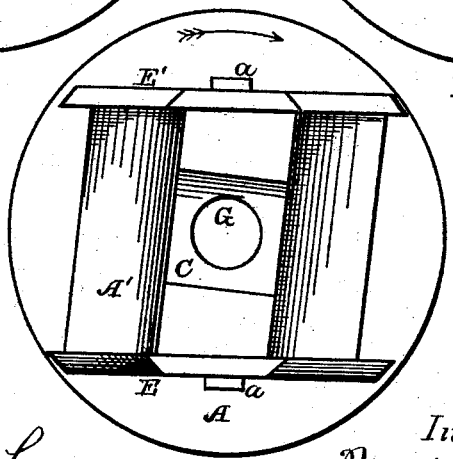

Fig. 5.

Witnesses:
John A Hughes
Daniel Christian

Inventor:
Martin V. Bavis
By A. S. Gerber
Atty

2 Sheets—Sheet 2.

M. V. BAVIS.
Rotary Cutter-Head.

No. 221,020. Patented Oct. 28, 1879.

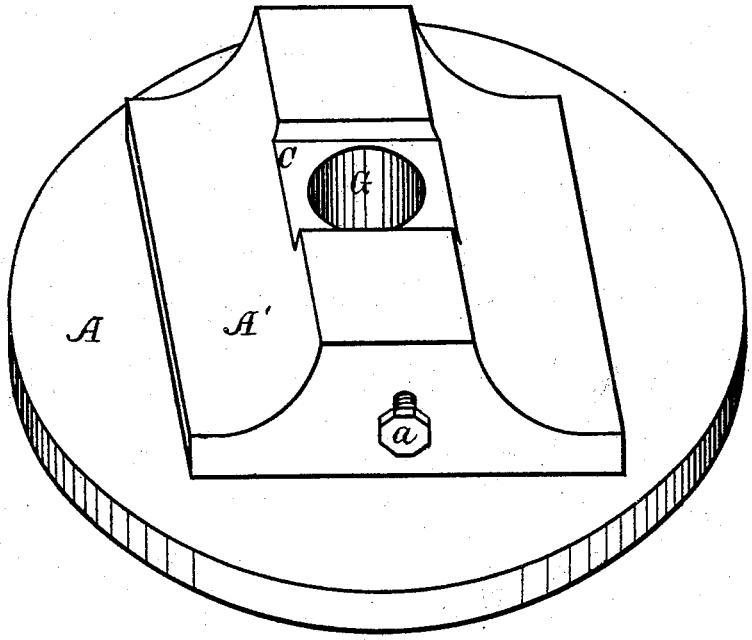

Fig. 6.

Witnesses:
S. O. Christian.
J. A. Hughes

Inventor:
Martin V. Bavis
By J. S. Berle
Atty

UNITED STATES PATENT OFFICE.

MARTIN V. BAVIS, OF LINWOOD, OHIO.

IMPROVEMENT IN ROTARY CUTTER-HEADS.

Specification forming part of Letters Patent No. **221,020**, dated October 28, 1879; application filed April 12, 1879.

To all whom it may concern:

Be it known that I, MARTIN V. BAVIS, of Linwood, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Rotary Cutter-Heads, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figures 1 and 2 are side elevations of the cutter-head. Fig. 3 is a plan view of the lower half of the head, showing how the cutter-blades are attached to the head. Fig. 4 is a plan of the cutter-head, showing the block to which the blades are attached. Fig. 5 is a plan view of the upper half of the cutter-head. Fig. 6 is a perspective view of one half of the cutter-head.

The object of my invention is to provide a cutter-head which shall be adapted for all purposes for which a cutter-head is used, and which is constructed of two parts having peculiar-shaped blocks cast thereon, to which the cutting-blades are attached, as will be hereinafter more fully described.

In the drawings, A represents a circular piece, having cast to its under face a block, A′. This block has two of its opposite sides perpendicular to the under side of the circular piece A and parallel with each other, and the cutter-blades E E′ are bolted thereto by means of bolts *a* passing through slots *d* in the cutting-blades. The four sides of this block are not at right angles to each other, but slightly oblique, so that two of the diagonal corners reach almost to the edge of the circular piece A, and the cutting ends of the blades E E′ are at the corners of the block A′ which approach nearest to the edge of circular piece A.

The circular piece B is provided with a block, B′, similar in construction to A′, having cutter-blades D D′ attached thereto by means of bolts *b*.

A gain, C, is cut into the blocks A′ B′, as shown in Figs. 3, 4, and 5, and the two blocks fastened to each other by interlocking in the gains.

A hole, G, is formed centrally in the circular pieces A B and blocks A′ B′, through which a shaft or mandrel passes for imparting motion to the cutter-heads.

Any shaped cutter-blade can be attached to the blocks for cutting molding, and either the upper or lower half of the cutter-head can be employed.

My invention refers particularly to the construction of the circular pieces and the blocks attached thereto, and also the method of clamping together the two parts of the head, as shown, by means of the gains C. Therefore,

What I claim as new, and desire to secure by Letters Patent, is—

A cutter-head composed of a disk, A, on one face of which is a block, A′, whose sides form a rhomboid, and having two of its opposite faces cut away, as shown, and cutters attached to the two other faces, the said block having a gain, C, formed on its upper side, to register with a gain in another block, similarly constructed, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of March, A. D. 1879, in the presence of witnesses.

MARTIN V. BAVIS.

Witnesses:
J. S. ZERBE,
B. F. CONRAD.