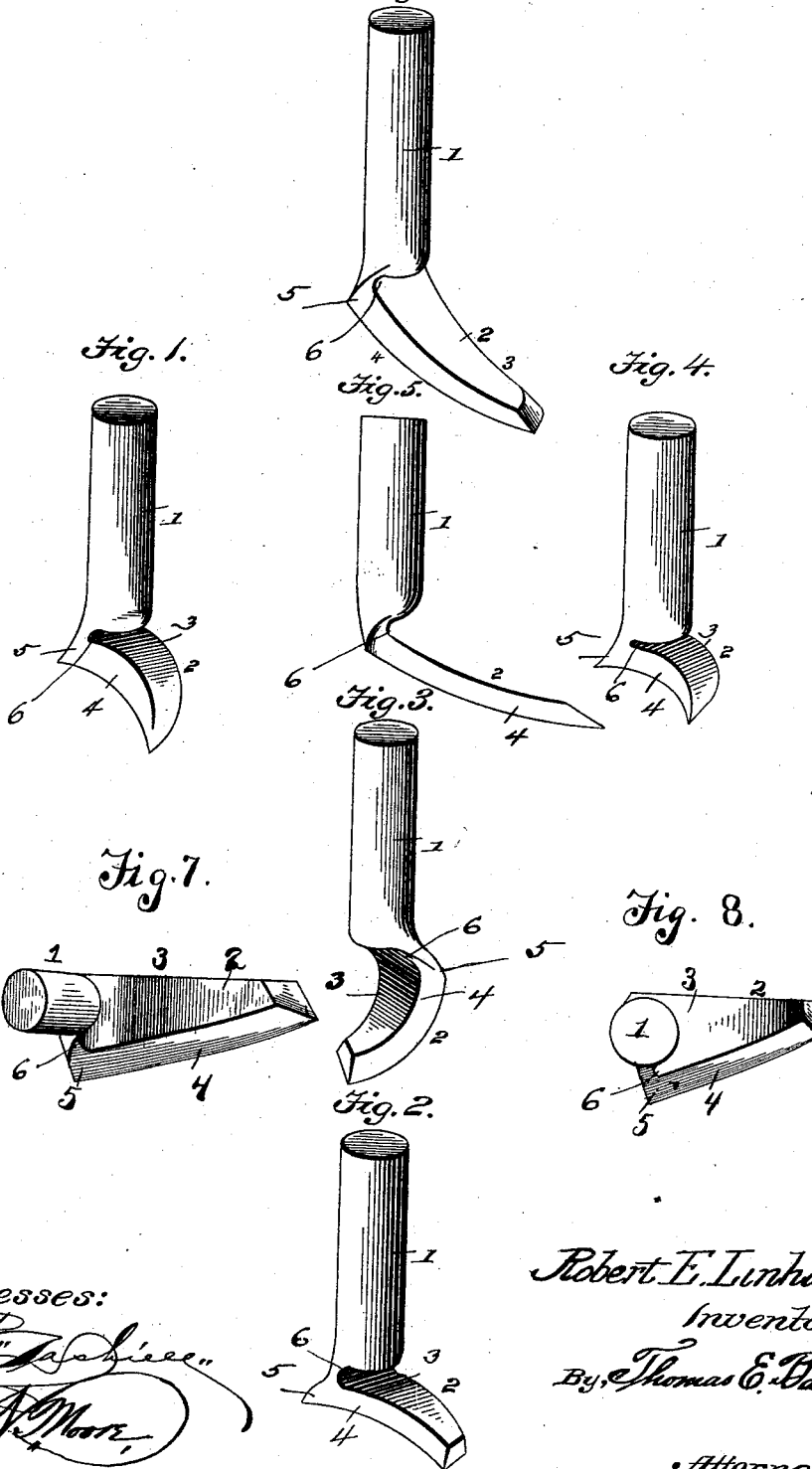


(No Model.)

R. E. LINHAM, Dec'd.  
H. LINHAM, Executrix.  
MOLDING CUTTER.

No. 472,679.

Fig. 6. Patented Apr. 12, 1892.



Witnesses:

*Edw. J. [Signature]*  
*Am. A. [Signature]*

Robert E. Linham,  
Inventor:

By *Thomas E. [Signature]*

Attorney.

# UNITED STATES PATENT OFFICE.

ROBERT E. LINHAM, OF MANSFIELD, OHIO; HERMIE LINHAM, EXECUTRIX OF SAID ROBERT E. LINHAM, DECEASED, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE LINHAM DADO MACHINE COMPANY, OF SAME PLACE.

## MOLDING-CUTTER.

SPECIFICATION forming part of Letters Patent No. 472,679, dated April 12, 1892.

Application filed February 14, 1890. Serial No. 340,473. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT E. LINHAM, a citizen of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Molding-Cutters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in molding-cutters; and the object is the provision of a cutter or bit which will make a long or short groove or channel in the material, or a long or short bead on the material, which channel or bead may be of different angles.

A further object is the provision of a bead or cutter which will cut the material with a clear or shear cut.

The present cutter is especially adapted for use in connection with the cutter-head for which I filed an application of even date herewith, bearing the Serial No. 340,466.

To attain the desired objects the invention consists of a bead or cutter comprising a cylindrical shank to adapt the cutter to the cutter-head referred to and a curved foot having substantially smooth or plane faces, with a blade tapering from the shank to the extremity of the foot, whereby the blade will operate on the material with a shear cut, and said blade being curved to form either a channel or bead on the material.

In the drawings, Figure 1 represents a perspective view of a cutter having a curved foot to form a bead on the molding. Fig. 2 represents a similar view of a cutter to produce a bead also, but not so high as the cutter of Fig. 1. Fig. 3 represents a similar view of a cutter to produce a curved channel. Fig. 4 represents a similar view of a cutter for forming a bead. Fig. 5 represents a side view of a cutter for forming a long curved channel. Fig. 6 represents a perspective view thereof. Fig. 7 represents a plan view of a cutter for forming a bead, and Fig. 8 represents a similar view of a cutter for forming a curved channel.

Referring by numerals to the drawings, 1 designates the shank of my cutter, which is of cylindrical shape to adapt it to the cylindrical socket of my cutter-head before named, and the cylindrical shank adapts the cutter to the cutter-head before referred to.

2 designates the foot integral with the shank, having the upper and lower smooth faces. One side edge 3 of the foot joins the shank in substantially the plane of one face thereof, and the other side edge 4 is offset at 5, near the shank. The foot is beveled on the edge 4, as shown, to form a cutting-edge, and the cutting-edge tapers from the shank to the outer end of the foot, the purpose of which is to cause the cutting-edge to operate upon the material with a shear cut. The foot is curved or shaped to form either a curved channel or a bead on the material, which channel or bead may be of different lengths, as desired, and the blade may be arranged at different angles. In all the forms of cutter shown it will be seen that a throat or recess 6 is formed at the rear of the blade under the front part of the shank, to thereby clear the blade and allow it to have unobstructed operation throughout its entire length.

In operation the shank of the cutter is secured or clamped in the cutter-head with the cutting-edge in proper position to operate on the material to produce a bead or channel, and by means of the tapering blade the material is cut smoothly and easily and with a shear cut.

Having thus described my invention, what I claim is—

The herein-described cutter or bit, comprising a shank and a curved tapering solid blade or foot having a beveled cutting-edge, and a throat or recess formed between the rear part of said foot or blade and the lower part of said shank, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

ROBERT E. LINHAM.

Witnesses:

ABRAHAM SMALL,  
J. C. LASER.