

(No Model.)

R. E. LINHAM, Dec'd.

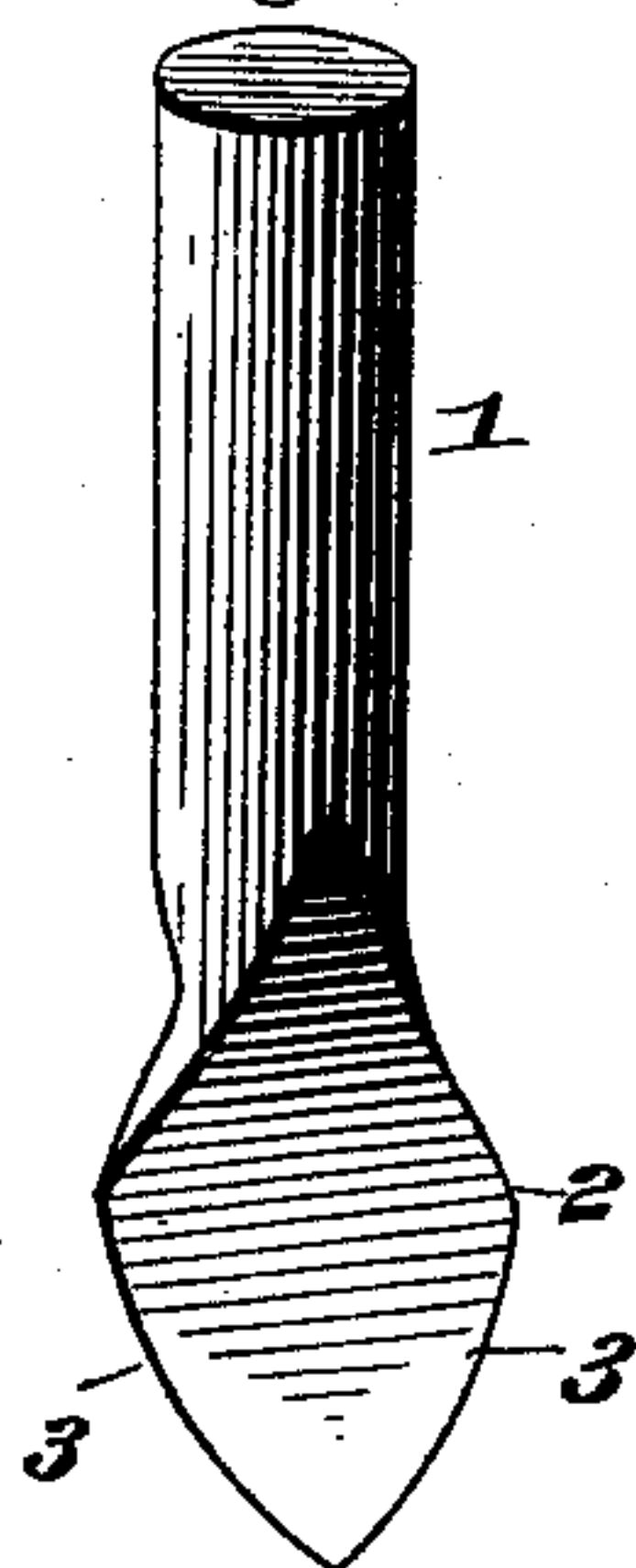
H. LINHAM, Executrix.

MOLDING CUTTER.

No. 472,675.

Patented Apr. 12, 1892.

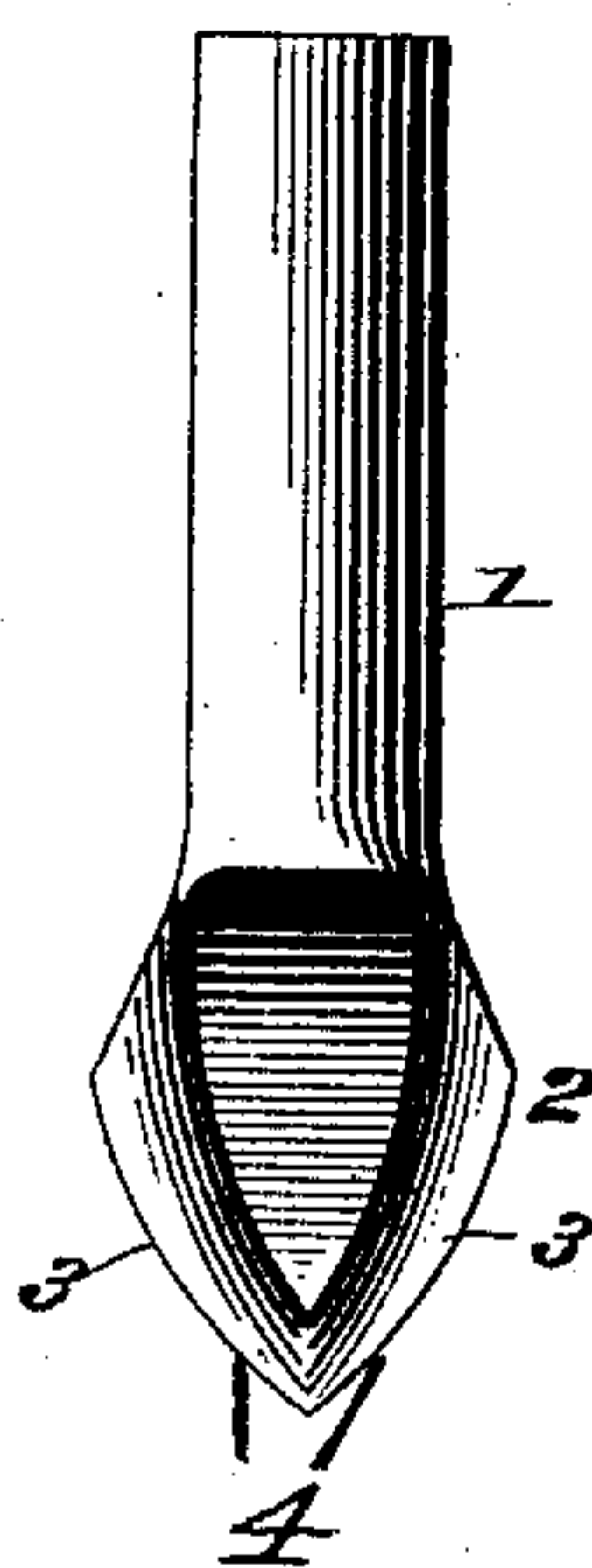
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

*W. H. Dashiell*  
*Wm. A. Moore*

*Robert E. Linham,*  
Inventor:

*By Thomas C. Barlow,*

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. 472,675, dated April 12, 1892.

Application filed February 14, 1890. Serial No. 340,467. (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 ap-  
10 pertains to make and use the same.

My present invention relates to a cutter for making moldings which is especially adapted for use in a cutter-head of a molding-making machine which forms the subject-matter of a  
15 separate application of mine, filed of even date herewith and bearing the Serial No. 340,466; and the object of my invention is to provide a cutter adapted to form a groove in the molding, the sides of which groove or channel are  
20 convex.

With this end in view my cutter consists of a cylindrical shank and a foot or blade, which is arranged in line with and forms a continuation of the shank, said foot or blade being flat  
25 and somewhat broader than the shank; also the size of the blade varies according to the groove or channel to be cut and having the curved cutting-edges.

In the accompanying drawings, Figure 1 is  
30 a perspective view of my improved molding-cutter. Fig. 2 is a side elevation thereof. Fig. 3 is a front view.

Like numerals of reference denote like parts in all the figures.

35 1 denotes the shank, and 2 the foot or blade, of my molding-cutter. The shank of my improved bit or cutter is made cylindrical in order to adapt it to the cutter-head before named, for which I have filed an application.  
40 The foot or blade is arranged in line with and forms a continuation of the shank, and the blade is made substantially flat, with con-

vex or curved edges 3, which meet at a point at the bottom of the blade, said edges gradually diverging in curved lines from the lower  
45 extremity of the foot or blade until they reach points probably two-thirds (more or less) of the length of the blade or foot. One surface of the blade or foot is without a cutting-surface and is in the vertical plane of the face  
50 of the shank, and on its rear or interior surface the blade or foot is beveled on a working surface to provide cutting-edges 4.

The cutter is secured in the cutter-head of the molding-machine so that its working face  
55 approaches the work as the cutter-head rotates, and the curved cutting-edges remove the wood of the molding to form a groove or channel, which channel conforms in cross-section to the shape of the cutter.  
60

The cutter is of an angular shape, converging toward its lower point to provide a cutting-point with gradually-diverging cutting-edges on each side, thereby reducing resistance, and a converging portion above the side  
65 edges to clear the tool from the loose material operated on and at the same time make it possible to construct the groove of curved-sided triangular shape.

Having thus described my invention, what  
70 I claim is—

The herein-described molding-cutter, comprising a shank, a flat triangular foot or cutter having a single point and beveled side, and cutting-edges diverging from said point and  
75 again converging toward the shank, for the purpose set forth.

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

ROBERT E. LINHAM.

Witnesses:

ABRAHAM SMALL,  
J. C. LASER.