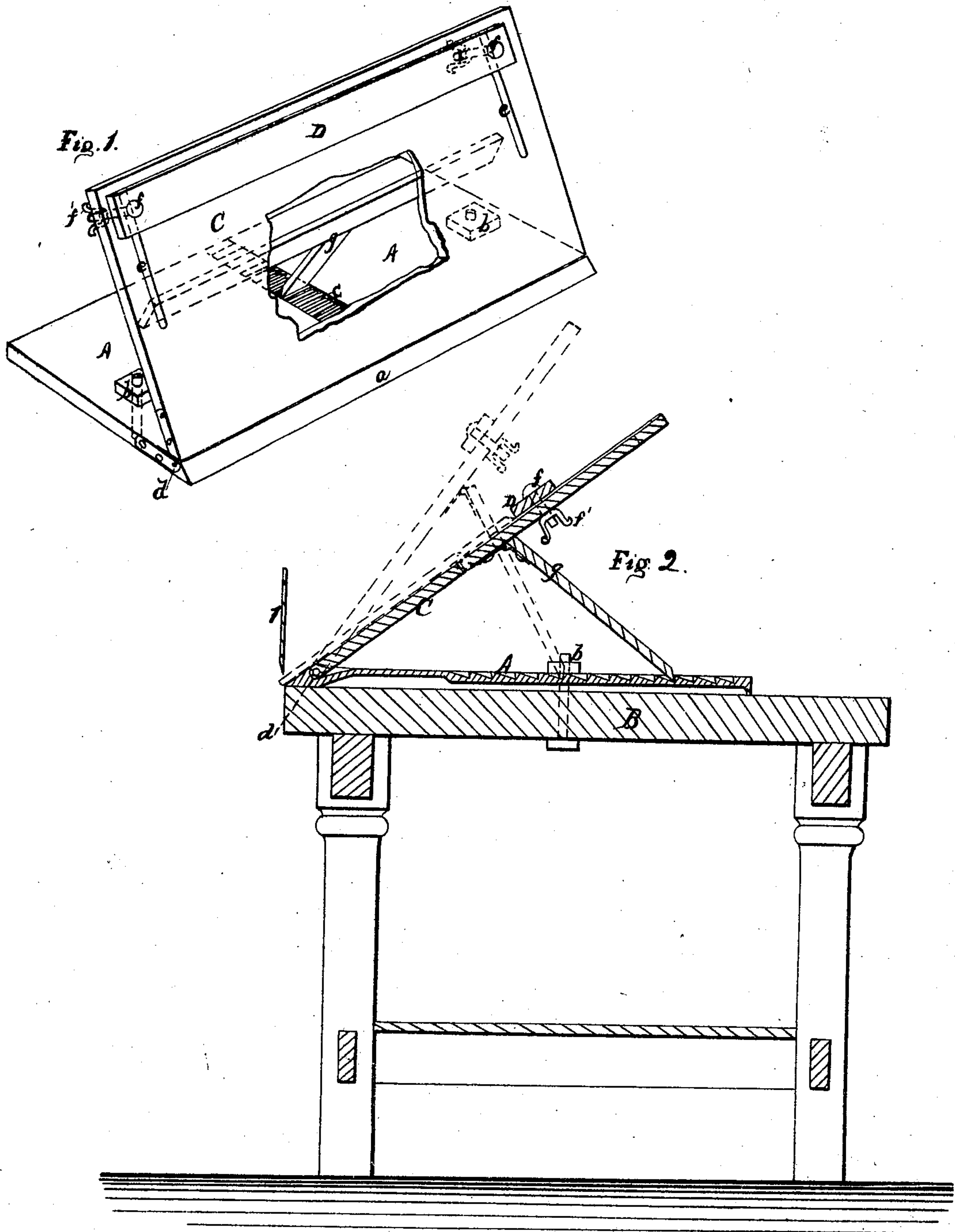


H. L. Tummy.  
 Bookbinders's Bevelling Mach.  
 N<sup>o</sup> 72243  
 Patented Dec. 17, 1867.



Witnesses.  
 Charles L. Fisher.  
 Samuel R. Russell.

Inventor.  
 H. L. Tummy.

# United States Patent Office.

H. L. TUMY, OF CINCINNATI, OHIO.

*Letters Patent No. 72,243, dated December 17, 1867.*

## BOOKBINDER'S BEVELLING-MACHINE.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, H. L. TUMY, of Cincinnati, Hamilton county, and State of Ohio, have invented a new and improved Bookbinder's Beveling-Machine, of which the following is a full and clear description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a rough-faced "beveling-leaf," pivoted to the cutting-edge of a bed-plate, and so adjusted as to enable the operator to present the leaf or board at any desirable angle with the cutters.

Figure 1 represents a perspective view of my improved beveling-machine.

Figure 2 is a transverse section of the same, secured to a table.

A is the bed-plate, made of iron or other suitable material, firmly bolted to the table B by means of the bolts *b*. The lower front edge, the shear-edge of the bed-plate A, is acute-angled at *a*. A rack, *c*, extends transversely over the upper face of the bed-plate A, to which it is secured. C is the beveling-leaf, of light metal, and having an area about equal to that of the bed-plate, to which it is pivoted by pins *d*. The lower edge of the leaf C is in close contact with the shear-edge of the bed-plate; the leaf C is slotted (*e*) near each end. The slots are parallel to the ends of the leaf C, and in length nearly the entire width. Bolts, *f*, provided with thumb-nuts *f'* pass through the slots *e*, and secure to the roughened or front surface of the beveling-leaf C the gauging-bar D. The pawl *g* is pivoted to the centre of the back face of the beveling-board C, and steps into the rack *c*. 1 is the cutter or knife, which may be operated by machinery attached to the table B.

The "board" to be operated upon is placed upon the beveling-leaf C. The gauging-bar D is placed in contact with the upper edge of the "board," as indicated in red outline in the accompanying drawings, so that the lower edge of the "board" shall be even with the shear-edge of the bed-plate A. By operating the knife 1 the edges of the "board" are chamfered off. Any desirable angle may be given this chamfered surface by elevating the outer end of the beveling-board or beveling-leaf C above the bed-plate A, and retaining it in such position by stepping the pawl *g* in the rack *c*. The roughened surface of the beveling-leaf C is produced by applying sand-paper, sand, or other equivalent material to the outer surface. When so prepared, the operator has no difficulty in keeping in position against the gauging-bar D the "board" which is being bevelled. The two opposite sides of the "board" are bevelled first, the gauging-bar having been adjusted to the width. A readjustment of the gauging-bar is then made, and the other two and opposite edges bevelled.

The great advantage which the operator finds in the use of this beveling-leaf is the ease and quickness with which it is adjusted to the size and angle of bevel of the "board;" also, the little liability of the slipping of the "board" while under the knife.

What I claim as new, and of my invention, is—

1. The roughened beveling-leaf C, for the purpose above specified.
2. The bed-plate B, beveling-leaf C, gauging-bar D, and pawl *g*, arranged and operating substantially as and for the purpose herein described and set forth.

H. L. TUMY.

Witnesses:

CHARLES L. FISHER,  
SAMUEL R. RUSSELL.