

C. E. Robinson

Cutting Leather.

N^o 62073.

Patented Feb. 12, 1867.

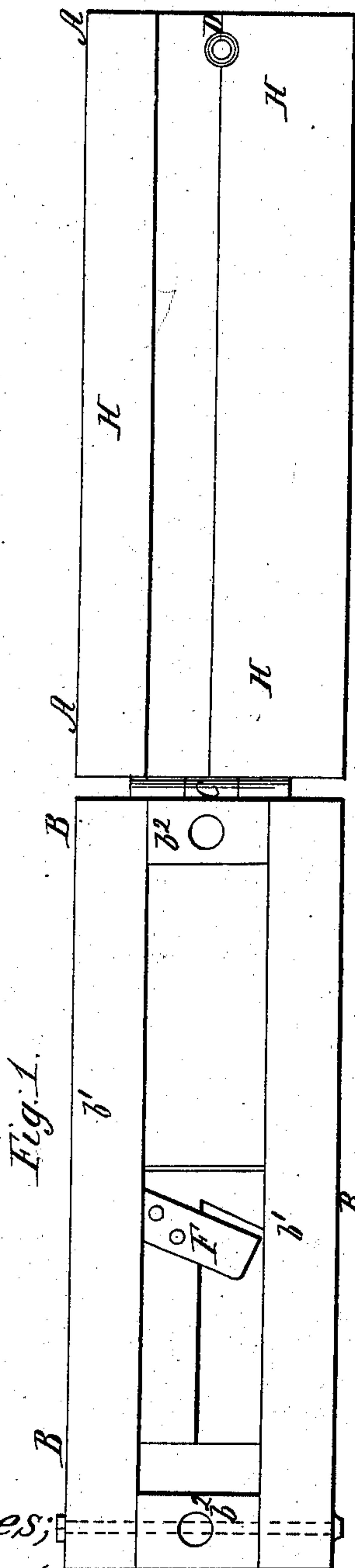


Fig. 1.

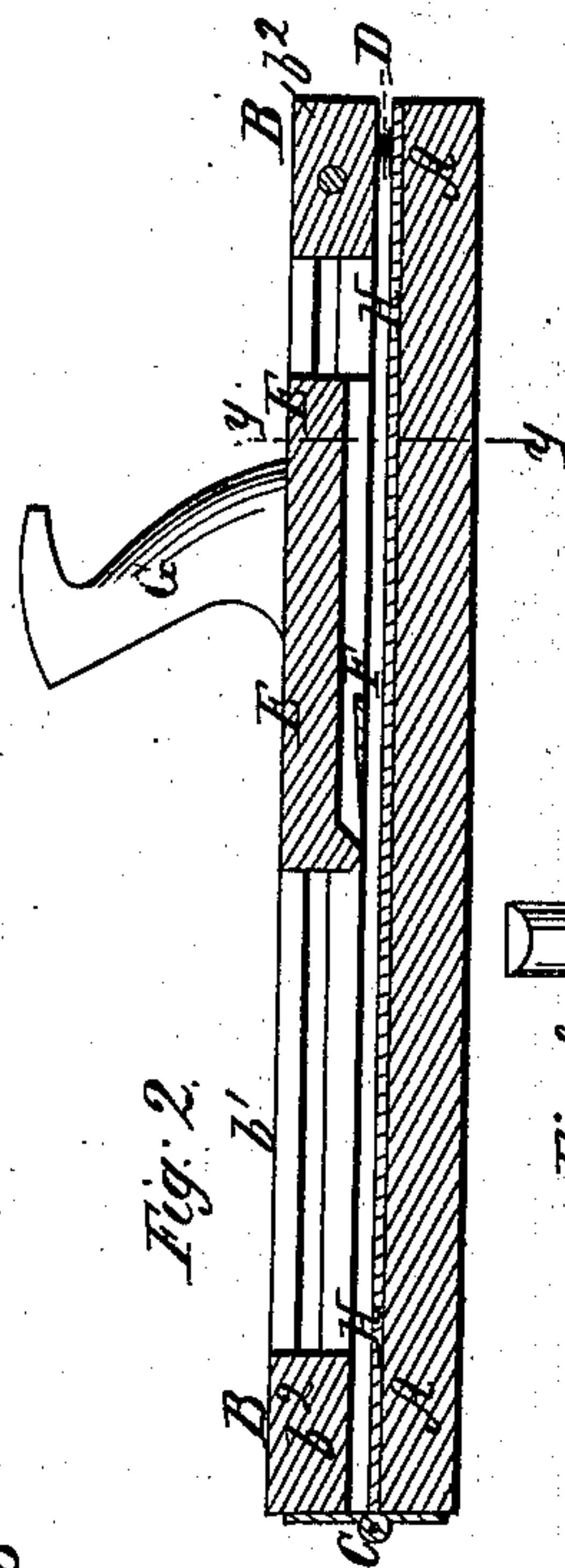


Fig. 2.

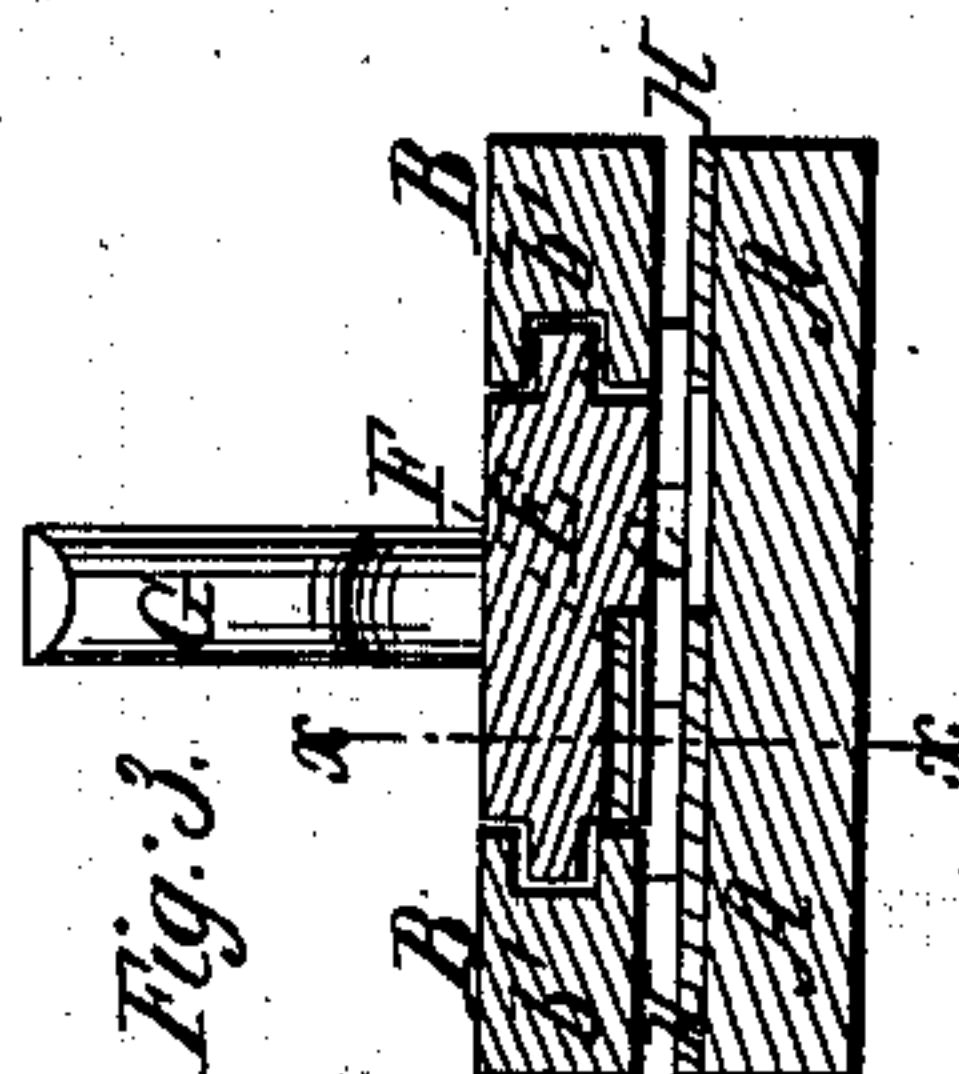


Fig. 3.

Witnesses;
J. A. Jackson
J. A. Service.

Inventor;
Chas. E. Robinson
Per *Wm. L. O.*
Attorney

United States Patent Office.

CHARLES E. ROBINSON, OF CONCORD, NEW HAMPSHIRE.

Letters Patent No. 62,073, dated February 12, 1867.

IMPROVED BELT-LAP CUTTER.

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, CHARLES E. ROBINSON, of Concord, in the county of Merrimac, and State of New Hampshire, have invented a new and improved Belt-Lap Cutter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a view of my improved belt-lap cutter, the upper or hinged part being turned over to show its under side.

Figure 2 is a vertical longitudinal section of the same, taken through the line *x x*, fig. 3.

Figure 3 is a vertical cross-section of the same, taken through the line *y y*, fig. 2.

Similar letters of reference indicate like parts.

My invention consists in attaching the knife to a grooved sliding-block, working in grooves in the top leaf or upper part of the machine, and provided with a handle; in the combination of a rubber or other elastic seat, with the lower leaf or part of the machine; and in hinging the lower and upper leaves or parts to each other; the whole being constructed and arranged as hereinafter more fully described.

A is the lower part or leaf of the machine. B is the upper part or leaf, which is made in the form of a frame, the ends of the side-bars *b¹* of which are connected and secured by cross-bars *b²*. The parts A and B are connected to each other by a hinge, C, as shown in figs. 1, 2, and 3, and they are held apart for convenience in inserting the belting by a coiled spring, D, or its equivalent, one end of which is secured to the lower part A, and the other end presses against the upper part B, as shown in fig. 2. The spring D is placed at the opposite end of the machine from the hinge C. In the inner edges of the side-bars *b¹* of the upper part B of the machine, are formed grooves, as shown in figs. 2 and 3. E is the block, to which the knife F is attached, upon the side edges of which are formed tongues which fit into and work in the grooves formed in the inner edges of the side-bars *b¹* of the leaf B, as shown in fig. 3. To the upper side of the block E is attached a handle, G, by which it is operated, and which may be of any desired form. The knife F is let into the lower face of the block E, and secured in place so that it may not project below said face. The lower face of the block E is channelled from a little in front of the edge of the knife F to the rear end of the block, as shown in figs. 1 and 2. H is a rubber or other elastic seat attached to the upper surface of the part A, for the purpose of keeping the leather and every part of it against the knife, notwithstanding any inequalities in said belt, thus enabling the knife to cut leather that is thin on both edges and thick in the middle, in a perfect manner, which it is impossible to do without said elastic seat. The rubber seat H need not extend all the way across the lower leaf A, but the parts of said leaf that are beneath the side-bars *b¹* of the upper leaf B, and beneath the cutting part of the knife F, should be covered, as shown in fig. 3, so that all parts of the leather being cut may be fully supported. The leather may be held while being cut by means of a treadle and strap, or in any other convenient manner.

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

1. Attaching the knife to a grooved sliding-block, E, working in grooves in the top leaf or upper part B of the machine, and provided with a handle, G, substantially in the manner and for the purpose herein shown and described.

2. The combination of a rubber or other elastic seat with the lower leaf or part A of the machine, substantially as herein shown and described.

3. Hinging the lower and upper parts or leaves A and B to each other at one end, substantially as herein shown and described.

CHARLES E. ROBINSON.

Witnesses :

SAMUEL C. EASTMAN,
EDSON C. EASTMAN.