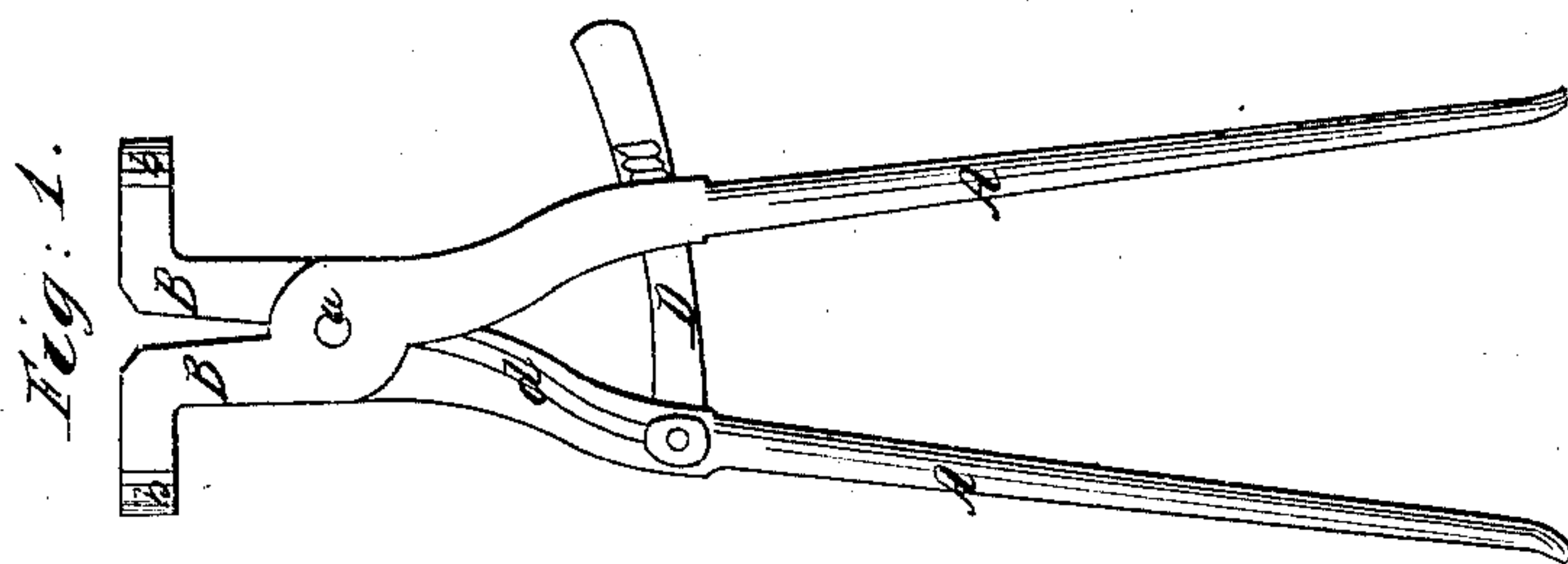
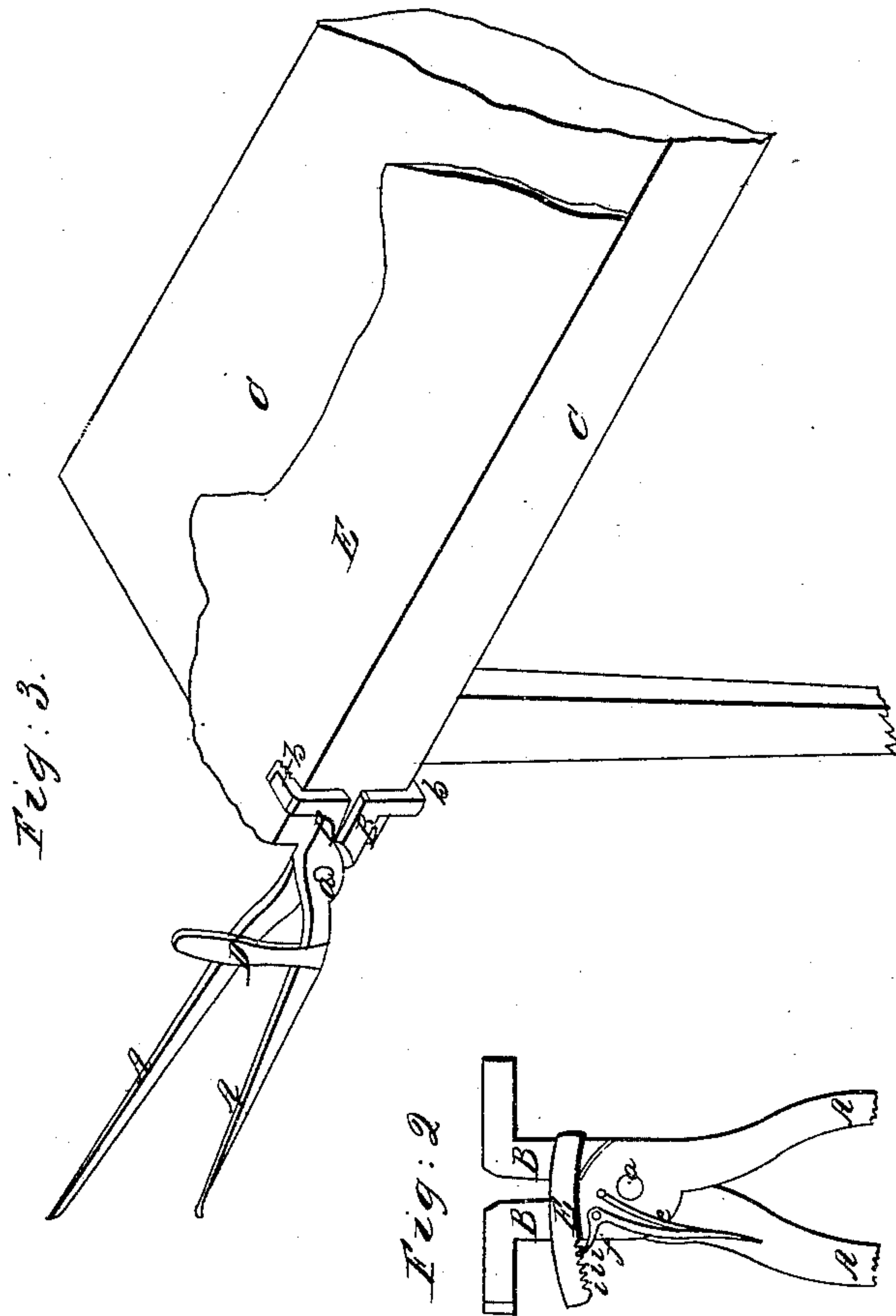


No. 78,334.

PATENTED MAY 26, 1868.

J. SHIMER.
CLAMP FOR HOLDING LEATHER TO CURRIERS' BENCHES.



Witnesses:
Wm. L. Carter
Geo. Green

Inventor:
John Shimer
By his atty's J. B. Woodruffson

*The drawing in this patent
is not in print.*

United States Patent Office.

JOHN SHIMER, OF BRONSON, MICHIGAN.

Letters Patent No. 78,334, dated May 26, 1868.

IMPROVED CLAMP FOR HOLDING LEATHER TO THE CURRIER'S BENCH.

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, JOHN SHIMER, of Bronson, in the county of Branch, and State of Michigan, have invented certain new and useful Improvements in Clamps for Holding Leather on a Tanner's and Currier's Bench; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a view of the clamp, showing a simple spring-catch for holding it clamped to leather on a bench.

Figure 2 shows another mode of holding the clamp, with a ratchet, pawl, lever, and spring, so that it is easily relieved.

Figure 3 shows a broken-off bench, with a side of leather held on it by the clamp, for manipulating.

The object of my invention is to supply the great need of something for the use of tanners and curriers, to hold the skins and leather on their blocks and benches, for manipulating; and it consists in a clamp, having right-angle jaws, sufficiently far apart to over and underlap the block or bench, on one edge on which the hide or leather is placed for working and dressing, the clamp being in the form of tongs, pivoted at a suitable distance from the jaws, with handles of sufficient length for leverage to get a gripe, the tongs being provided with a ratchet or spring-catch, so as to hold them clamped firmly on to the block or bench, and are as easily liberated for changing their position.

To enable others to make and use my invention, I will describe it more fully, referring to the drawings, and the letters marked thereon.

The clamp may be made of wrought or malleable iron, in the general form of a pair of pincers; the handles or lever portion, A A', being of any desired length, and secured together by a bolt or rivet, *a*, leaving the jaws B B extending out beyond a sufficient distance to admit of opening, for the adjusting the clamp on the block or bench and the leather. The portion of the jaws *b b* is set apart the width of the thickness of the bench or block, and is bent at right angles, so as to overlap a few inches on the under side of the bench C, and the side or piece of leather placed upon the top to be manipulated. On one of the lever-handles, A, is secured a spring, *d*, to operate for relieving the jaws, and also a notched spring, D, which forms a rack-catch on the other lever-handle; A', to hold the gripe of the jaws *b b* on the bench C and leather E. The catch D extends out beyond the bar sufficient to be acted upon by the thumb to relieve the catch and liberate the clamp.

Another mode of holding-mechanism is shown in fig. 2, which consists of placing a stirrup or rack-bar, F, on the clamp, and forward of the pivot *a* of one of the jaws, and a pawl, *f*, with a handle and spring *e* to hold it in the notches *i i i*, pivoted to the other jaw, so that when the clamps are brought to bear on the hide or leather E, it is firmly held by the pawl *f* catching in the notches *i i i* on the bar F.

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

1. The clamp-pincers B B, as constructed, having a spring-catch, D, for holding them, and the hide or leather E on the bench C or block, for manipulating, substantially as herein described.

2. I claim the stirrup or rack-bar F and lever-pawl *f* when applied to clamps, for tanners' and curriers' use, substantially as set forth.

In testimony whereof, I hereunto subscribe my name, in the presence of—

JOHN SHIMER.

Witnesses:

R. COMPTON,

W. H. COMPTON.