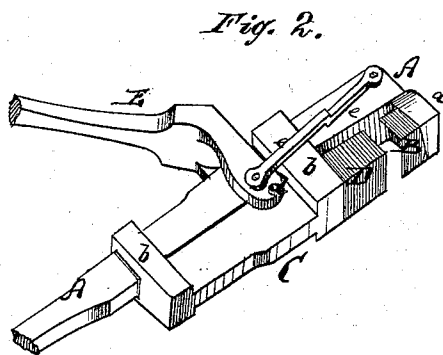
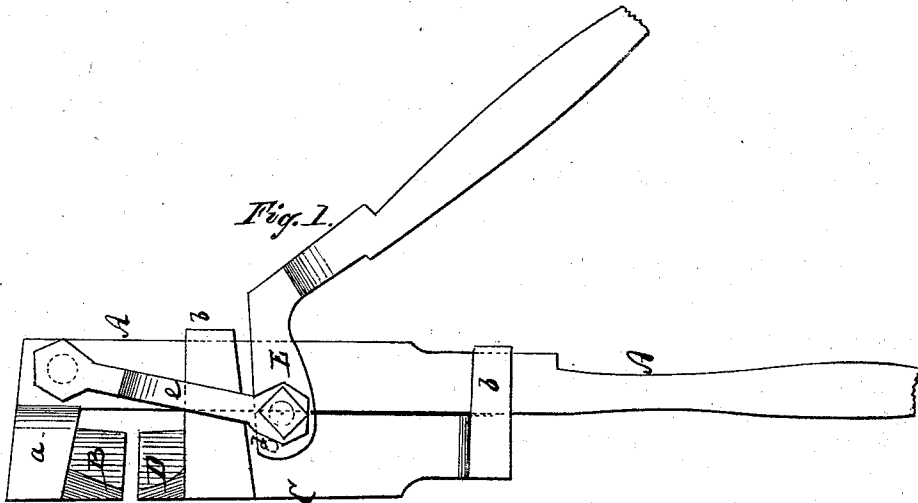


J. TOMLINSON.
Bolt-Cutters.

No. 135,497.

Patented Feb. 4, 1873.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH TOMLINSON, OF ONSLOW, IOWA.

IMPROVEMENT IN BOLT-CUTTERS.

Specification forming part of Letters Patent No. **135,497**, dated February 4, 1873.

To all whom it may concern:

Be it known that I, JOSEPH TOMLINSON, of Onslow, in the county of Jones and State of Iowa, have invented a new and Improved Bolt-Cutter, of which the following is a specification:

Figure 1 is a side view of my invention. Fig. 2 is a perspective of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and very simple bolt-cutter, in which a sliding jaw is used under a fixed jaw, somewhat in the style of a monkey-wrench.

The invention consists, chiefly, in providing such an instrument with cutters that have L-shaped blades, so that they may be used to cut from either side, and can be applied in positions in which ordinary bolt-cutters cannot be used. The invention also consists in the combination of parts used in completing the instrument, as hereinafter more fully described.

A in the drawing represents the shank or handle of my improved bolt-cutter. It has at the upper end a projecting jaw or arm, *a*, to the under side of which the stationary cutter B is secured. C is a slide, up and down adjustable on the shank A, and embracing the same by means of straps *b b*. To the upper end of the slide C is fastened the movable cutter D, which is directly under and in line with the cutter B, as clearly shown in the drawing. The two cutters are L-shaped—that is to say, they have L-shaped cutting-

edges—so that they can cut from either the front or one side of the instrument. They can be reversed, if necessary, so that either side of the instrument may be used. This is an improved feature, inasmuch as it permits the application of the instrument close to the surface, and the cutting of bolts or pins that could not be cut so close by other means. E is a lever, whose forked upper end straddles the shank A, and is pivoted to the slide C by a pin, *d*, indicated in the drawing. By means of the straps *e e* the lever E is connected with the shank A, so that when said lever is swung its connection with the shank and slide will cause the slide to move down or up, as the case may be, and to cut when the lever is swung down. This connection of the lever with the two cutters is one which gives great power, and allows the application of a hand instrument in places where such instruments were hitherto not found sufficiently strong.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The bolt-cutter, provided with L-shaped knives, as herein shown and described.
2. The combination of the lever E and straps *e e* with the shank A and slide C of the bolt-cutter, all arranged to operate as herein shown and described.

JOSEPH TOMLINSON.

Witnesses:

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