

Bolt Cutter.

Patented May 17. 1870.

Fig: 1.

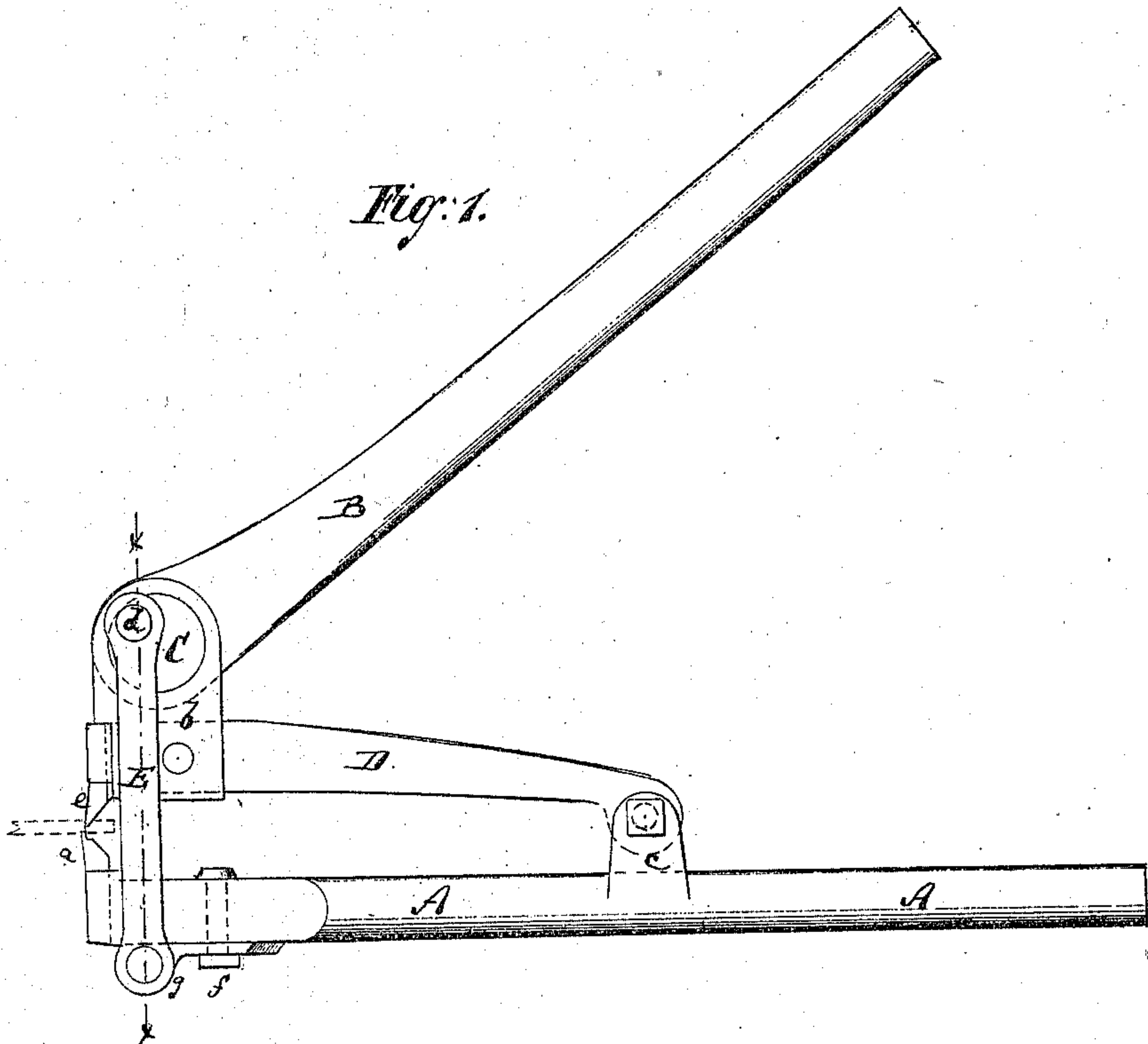
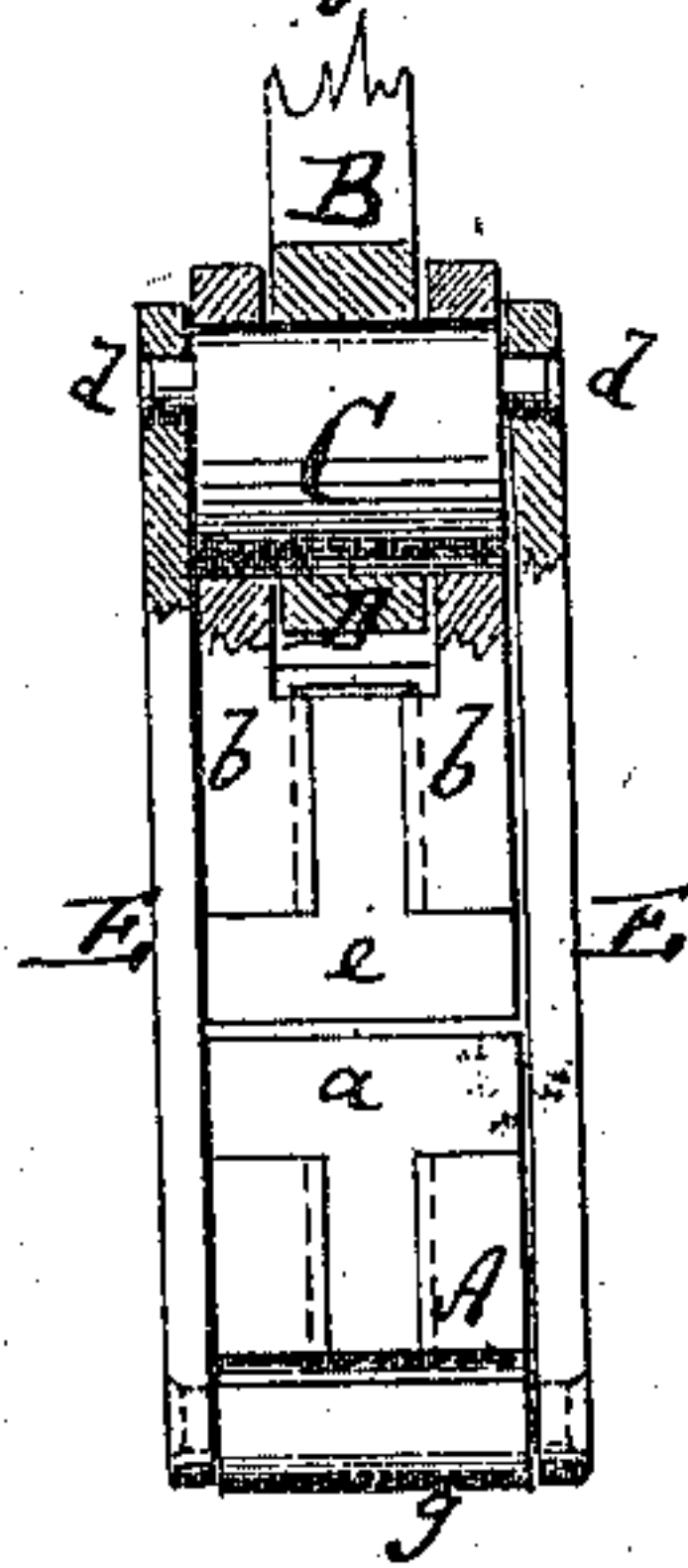


Fig: 2.



Witnesses:
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LEVI DANIELS, OF OAK HILL, NEW YORK.

Letters Patent No. 103,152, dated May 17, 1870.

IMPROVED BOLT-CUTTING DEVICE.

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, LEVI DANIELS, of Oak Hill, in the county of Greene and State of New York, have invented a new and useful Improved Bolt-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 drawing forming part of this specification.

Figure 1 represents a side view of my improved bolt-cutter.

Figure 2 is a transverse section of the same, taken on the plane of the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new bolt-cutter, in which the movable jaw is so hung that it can be operated with great power.

The invention consists in so hanging the movable jaw in a pair of pivoted straps, and in a bracing-lever, that the motion, although short, will be extremely powerful.

A, in the drawing, represents one handle of my improved bolt-cutter.

To the end is secured the fixed chisel or block, *a*.

The other handle B is, by a strong pin or arbor, C, pivoted in ears *b*, that are secured to the outer end of an arm, D.

The inner end of the arm D is pivoted to ears *c* projecting from the handle A, as shown.

To eccentric pins *d*, formed at the ends of the arbor

C, are secured straps E E, which, at their other ends, are pivoted to the handle A, as shown.

The cutting-tool or chisel *e* is secured between the ears *c* in suitable manner.

The true bearing for the handle B is formed by the straps E, where the same hold the pins *d*. Thus, as the handle B is turned, it will, on account of its eccentric support, swing the ears *b*, and, with them, the tool *e* toward the tool *a*, or away from the same.

The instrument may be used for cutting bolts, rivets, wire, or other material, according to the tools secured in it, which are removable and readily replaced.

By adjusting the fastening of the straps E on the handle A, the distance for the motion of the chisel can be varied. The chisel can thereby be entirely used up. For this purpose the screw *f*, which secures the ears *g*, to which the lower ends of the straps are secured, is made longitudinally adjustable on A.

Having thus described my invention,

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

The combination of the handle A, having projection *c*, the arm D pivoted to said projection, the straps E fastened at the lower end to and adjustable upon the handle A, and pivoted at the upper end on eccentric C, ears *b* attached to arm D, eccentric C embraced by said ears, and the lever B, all as set forth.

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