E. W. FAWCETT, R. FAWCETT, & W. E. SEFTON.

Bolt-Cutters.

No. 141,265. Patented July 29, 1873.

Fig. 1.

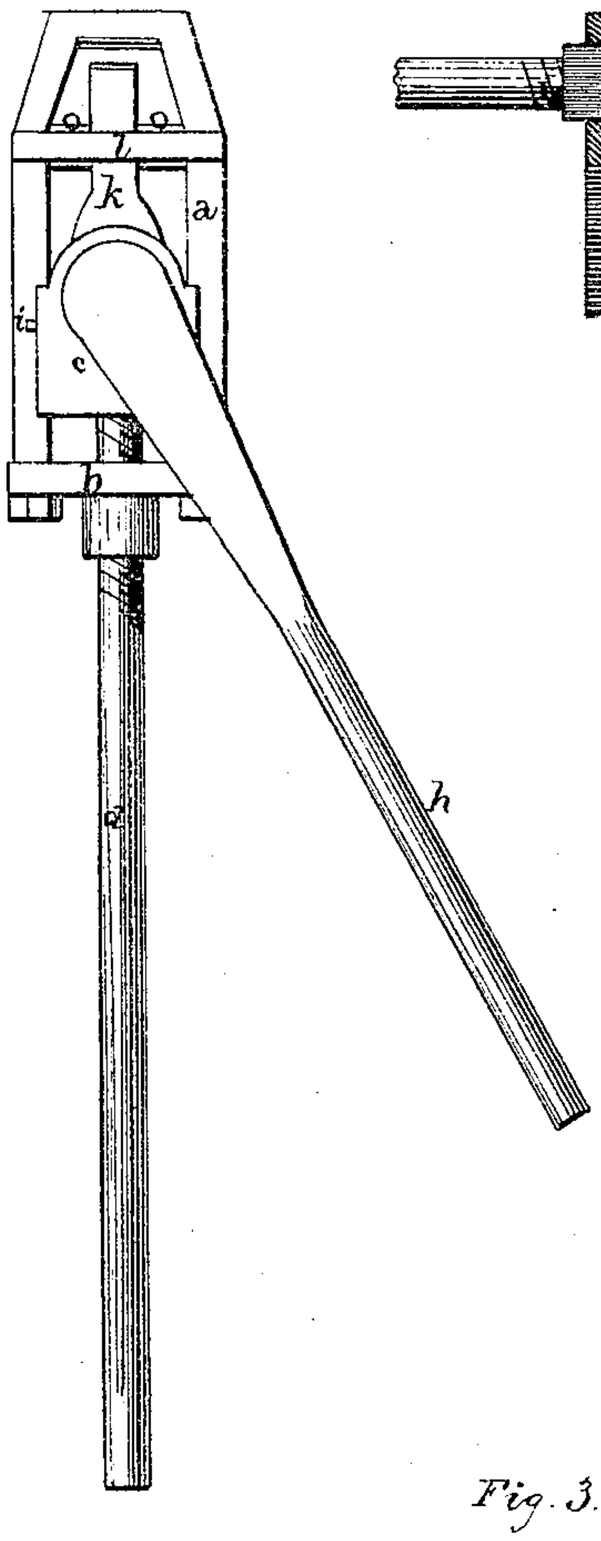


Fig. 4.

Fig. 2.

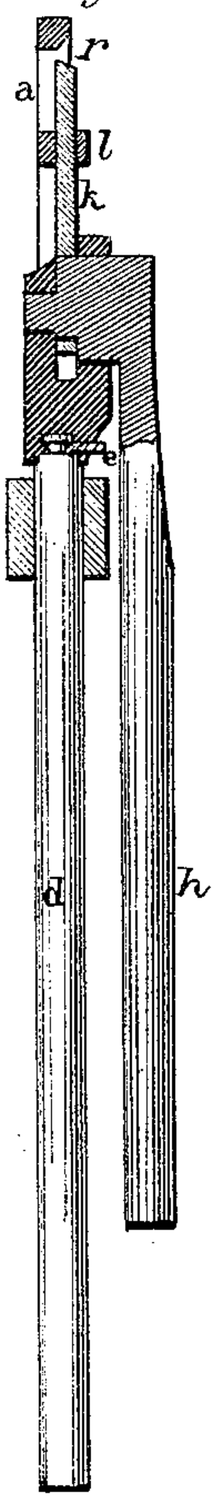
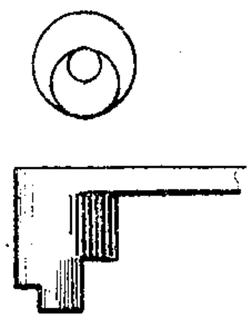


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

EDWARD W. FAWCETT, RICHARD FAWCETT, AND WILLIAM E. SEFTON, OF SALEM; SAID EDWARD W. FAWCETT ASSIGNOR TO EPHRAIM S. HOLLOWAY, OF COLUMBIANA, OHIO.

IMPROVEMENT IN BOLT-CUTTERS.

Specification forming part of Letters Patent No. **141,265**, dated July 29, 1873; application filed December 5, 1872.

To all whom it may concern:

Be it known that we, E. W. FAWCETT, RICH. FAWCETT, and W. E. SEFTON, of Salem, county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Bolt-Cutters, of which the following is a specification:

The nature of our invention relates to the construction of a device for cutting bolts, pipes, and other similar articles; and consists in the peculiar construction of the frame so as to hold the article being cut, and the devices for adjusting and operating the cutter, as will hereafter be more fully set forth.

Figure 1 is a side elevation of my invention. Fig. 2 is a section of the same; Fig. 3, detached views of the eccentric. Fig. 4 shows a bolt in position.

a represents the frame, which consists of a single piece, bent or cast in the shape shown, leaving the open space between its sides, and having its end secured in any suitable manner to the cross-piece *b*. Moving up and down between these sides, and kept in position by the grooves in its edges, is the cutter-frame *c*, which is swiveled to the upper end of the handle *d* by means of the set-screw or other device *e*. This handle has a screw-head cut upon its upper end where it passes through the cross-piece *b*, so that by turning it in either direction the cutter-frame *c* can be adjusted up or down, as may be desired. Swiveled to this frame *c*, by means of the pin *i*, is the hand-lever *h*, the upper end of which forms the eccentric shown in Fig. 3, and which operates the cutter *k*. The end of this cutter passes through the cross-piece *l*, which serves as a guide to it, and which is constantly kept in position by means of the springs *o*, which may be of rubber, or any other material.

It will be seen that the frame is beveled at the point *r* on a line with the edge of the cutter, as shown in Figs. 2 and 4.

The frame reaches over and takes hold of the nut, causing the nut to form an abutment while being cut.

As the hand-lever is moved so as to force the cutter upward, the cutter moves with a rolling-like motion, so as to gradually make the cut; and by adjusting the cutter-frame upward by means of the handle from time to time great additional leverage is obtained.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent of the United States, is—

1. The springs *o*, placed upon each side of the cutter, substantially as specified.

2. The combination of the frame, adjusting-handle, cutter and cutter-frame, and cam-lever, when all combined to operate substantially as shown and described.

In testimony that we claim the foregoing as our invention we hereunto affix our signatures.

EDWARD W. FAWCETT.
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WILLIAM E. SEFTON.

Witnesses:
EDWARD A. BENEDICT,
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