

C. B. SHAW.

Improvement in Bolt and Rivet Cutters.

No. 129,370.

Patented July 16, 1872.

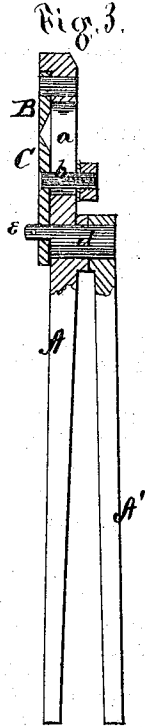
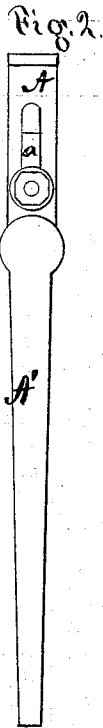
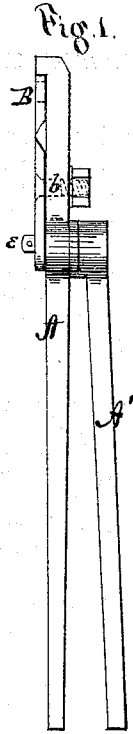
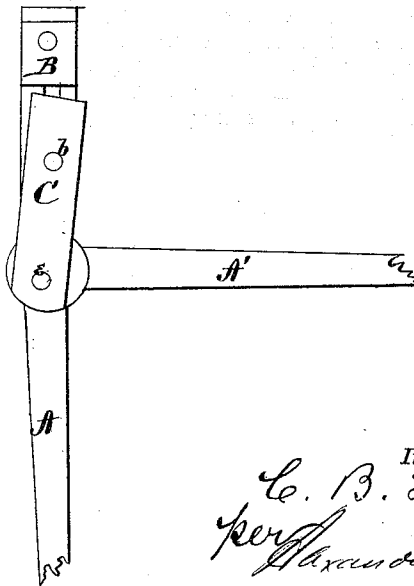


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES B. SHAW, OF VICTORY, WISCONSIN.

IMPROVEMENT IN BOLT AND RIVET CUTTERS.

Specification forming part of Letters Patent No. 129,370, dated July 16, 1872.

To all whom it may concern:

Be it known that I, CHARLES B. SHAW, of Victory, in the county of Vernon and in the State of Wisconsin, have invented certain new and useful Improvements in Bolt and Rivet Cutter; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "bolt and rivet cutter," in which the movable knife or cutter has a forward and a swinging motion at the same time, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view; Fig. 2, a back view; Fig. 3, a longitudinal section; and Fig. 4, a front view of my improved bolt and rivet cutter.

A represents one of the handles or levers, to which at the outer end is firmly secured the stationary cutter or knife B with the cutting-edge downward. Through this part of the handle is a longitudinal slot, *a*, for the passage

of a bolt or pin, *b*, projecting from the inner side of the movable knife or cutter C. Below the slot *a* is a round hole for the passage of a short shaft, *d*, attached to one side at the upper end of the other handle or lever A'. At the outer end of the shaft *d* projects in the same line of direction a pin, *e*, which is placed to one side, making it eccentric, and passes through a hole in the lower end of the movable cutter C.

It will readily be seen that by the eccentric pin *e* the movable cutter C obtains both a forward and a swinging motion, giving what is so desirable in cutters of all kinds, namely, a draw-cut.

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

The arrangement of the slotted lever A with stationary knife B with the eccentric lever A' connected to and operating the knife C, moving in the slot *a*, forward with a swinging motion to the knife B, all substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of April, 1871.

C. B. SHAW.

Witnesses:

ALEX. LATSHAW,
ALBERT LATSHAW.