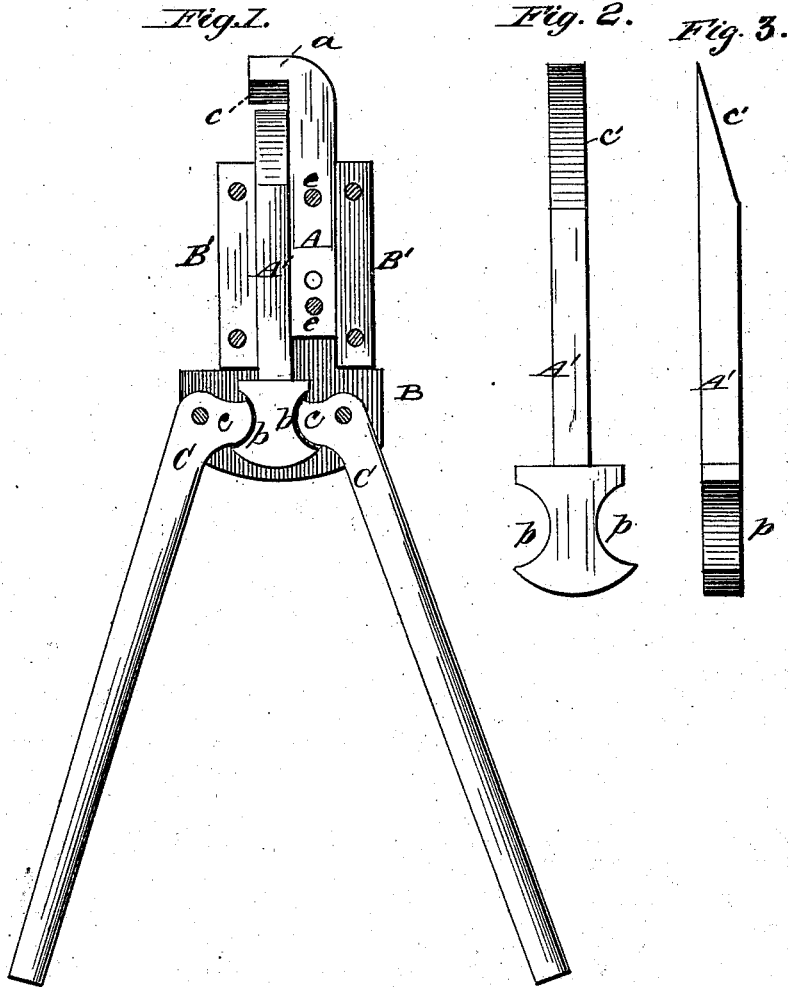


C. SCHMIDT.
Bolt-Cutters.

No. 211,265.

Patented Jan. 7, 1879.



Witnesses
Ed. G. Dietrich
George. Binkenburg

Inventor
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UNITED STATES PATENT OFFICE.

CHRISTIAN SCHMIDT, OF QUARRYVILLE, PENNSYLVANIA.

IMPROVEMENT IN BOLT-CUTTERS.

Specification forming part of Letters Patent No. **211,265**, dated January 7, 1879; application filed October 28, 1878.

To all whom it may concern:

Be it known that I, CHRISTIAN SCHMIDT, of Quarryville, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Bolt-Cutters; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of my improved bolt-cutter, with one side of the jaw-holding case removed. Fig. 2 is a detached similar view of the movable jaw, and Fig. 3 is an edge view of the same.

The same part in the figures is indicated by the same letter.

This invention relates to certain improvements in bolt-cutting pliers, by which the bolt or metal is expeditiously and quickly or easily cut, direct action of the levers upon the moving jaw obtained, and efficiency and simplicity promoted.

To these ends my improvement consists in a stationary jaw, with which engages a movable or sliding jaw, the heel of which is hollowed out or concaved upon each side to receive the oppositely-shaped ends of pivoted levers, and which levers are extended laterally, substantially as hereinafter more fully set forth.

In the drawings, A refers to the stationary or fixed jaw, fastened to and between the parallel side pieces or guide-flanges B' B' of a case, B, it being beveled and sharpened on the lower or under side of its upper bent arm, a, to aid the cutting of the metal or bolt placed between it and the moving jaw.

A' is the moving or sliding jaw, also beveled and sharpened, as shown at c' in Figs. 2 and 3, for the purpose just mentioned, in connection with its fellow jaw, and arranged in the case B between one guide-piece, B', and

the long arm of the stationary cutter A, which, again, in its turn, is arranged between the sliding jaw A' and the opposite guide-piece B', as will readily be seen by reference to the drawing.

By this construction and arrangement of parts cutters of different size may be used in the same case B by removing them by withdrawing the bolts or screws e e, by which the stationary cutter A is secured in the case, and substituting another of greater or lesser width, or with a differently-shaped cutting-point, c, a corresponding sliding cutter being also inserted, with a correspondingly-shaped cutting point or edge, c', the cutters A A' being prevented from moving laterally not only by the screws e e, but by the raised parallel flanges or guide-pieces B' B'.

The heel or inner end of the sliding jaw A' is provided upon each side with a concavity or hollow, b, into which enters or fits the oppositely-shaped inner ends of the operating-levers C C, pivoted to the case B in proximity with the heel end of the jaw A'. The rounded or inner ends of the levers C C are also extended, as at e e, laterally.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improvement in bolt-cutters, the combination, with the case B, having operating-levers C C and parallel guide-flanges B' B', of the cutter-stock A, having the bent arm or jaw a, and sliding cutter A', inserted between one of the guide-flanges, B', and the parallel fixed cutter-stock A, substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

CHRISTIAN SCHMIDT.

Witnesses:

AUGUST PETERSOHN,
DANIEL D. HESS.