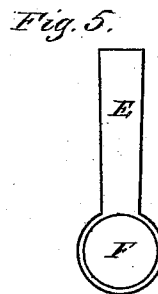
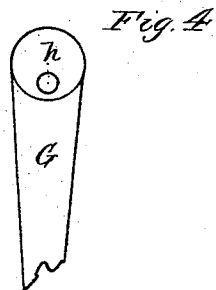
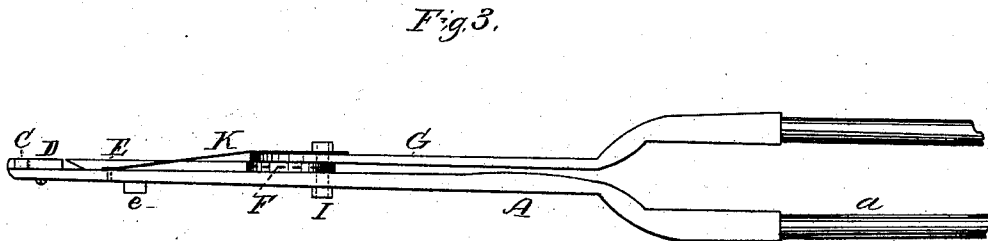
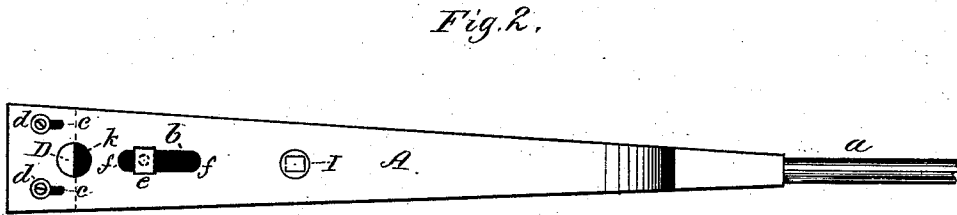
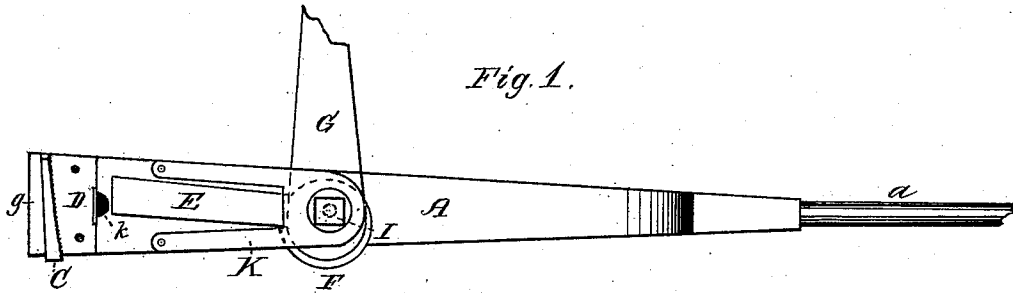


D. M. KELLEY.
Bolt and Rivet Cutter.

No. 168,568.

Patented Oct. 11, 1875.



WITNESSES:

N. D. Durand
and E. Oliphant

INVENTOR.

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UNITED STATES PATENT OFFICE.

DAVID M. KELLEY, OF BURKE, NEW YORK.

IMPROVEMENT IN BOLT AND RIVET CUTTERS.

Specification forming part of Letters Patent No. **168,568**, dated October 11, 1875; application filed August 6, 1875.

To all whom it may concern:

Be it known that I, DAVID M. KELLEY, of Burke, in the county of Franklin and State of New York, have invented a new and valuable Improvement in Bolt and Rivet Cutters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a top-plan view. Fig. 2 is a bottom-plan view. Fig. 3 is a side view; Fig. 4, a detached view of the eccentric lever; Fig. 5, a detached view of the cutter.

This invention has relation to bolt and rivet cutters; and consists in the construction and arrangement of the several parts, as will be hereinafter more fully described, and subsequently pointed out in the claim.

In the annexed drawings, A represents a metallic bar, terminating in a handle, *a*, at one end, and having a central oblong slot, *b*, and smaller slots *c c* near its front end, for the purpose hereinafter specified. The front end of this bar A is bent over, forming a shoulder or support, *g*, for the adjustable wedge C. The letter D indicates a detachable and adjustable chisel, provided with set-screws *d d*, passing through the slots *c c* of the bar A. This chisel or cutter D has its rear portion serrated to engage with the inner face of the wedge C. These serrations, in connection with the set-screws, hold the chisel rigidly in position when properly adjusted, and at the same time prevent any possibility of slipping. E represents a sliding cutter, having an eye, F, at its upper end, in which the annular shoulder *h* upon the operating eccentric lever G has its bearings. The cutter E is loosely connected with the bar A by means of the bolt *e* passing through the oblong slot *b*, said slot having rounding abutting shoulders *f*, to regulate the stroke of the sliding chisel.

Whenever the chisels or cutters are sharpened, an adjustment of the cutting-surfaces is had by loosening the set-screws *d d*, and moving the cutter D forward in the slots *c c*. When it is properly adjusted the wedge C is driven in rear of this cutter, and all fastened by the set-screws.

The operating eccentric lever G and sliding chisel E are connected together to the bar A by means of the bolt and nut I, as shown in Figs. 1 and 3. K represents a brace-plate, secured at its bifurcated end to the bar A, its other end formed with an opening, through which the bolt passes in securing the cutter E and lever G to the bar A. The purpose of this brace-plate K is to hold the parts through which the bolt passes firmly together during the operation of cutting.

The bolt or rivet to be cut off is received through the orifice *k* at the junction of the cutters; the eccentric lever G is then operated, and the cutter E is moved forward against the bolt, and at the same time a sidewise diagonal motion is imparted to it, thereby giving, in connection with the stationary cutter, a shear-cut, the advantages of which are well known.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the bar A, having slots *c* and support *g*, serrated removable cutter D, with bolts *d*, and the wedge C, of the lever G, with shoulder *h*, and the cutter or chisel E, with eye F, and the brace-plate K, constructed to operate substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DAVID M. KELLEY.

Witnesses:

GEO. S. ADAMS,
THEOD. FENTON.