

*J. Guthrie,
Bolt Cutter.*

N^o 57,705.

Patented Sep. 4, 1866.

Fig. 3.

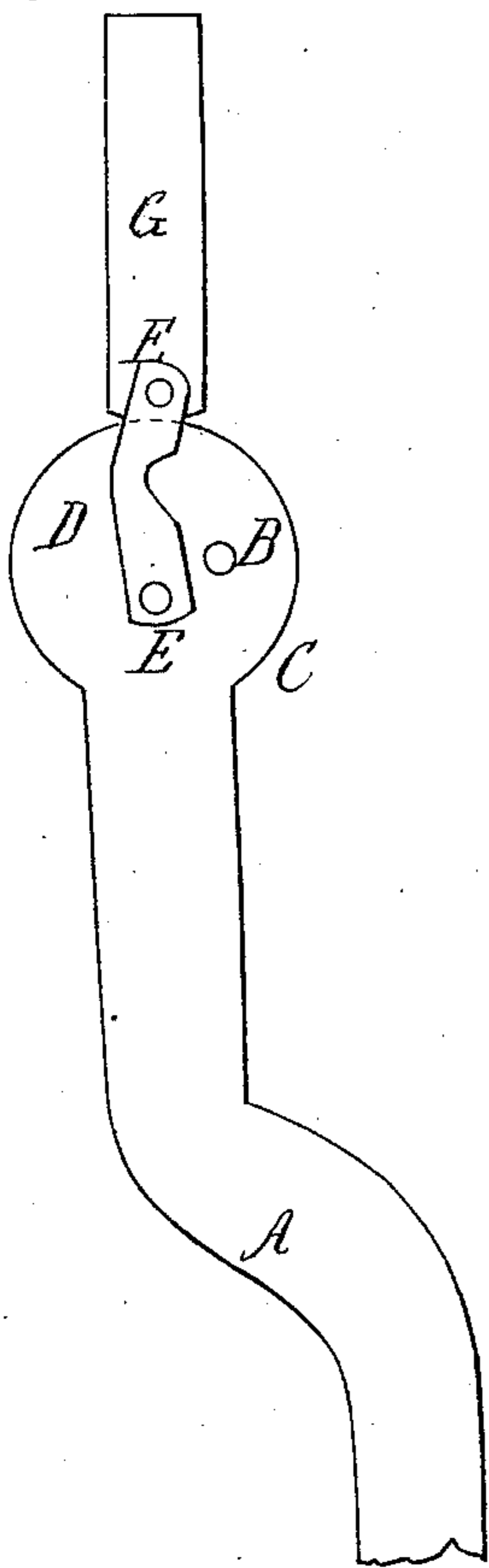


Fig. 1

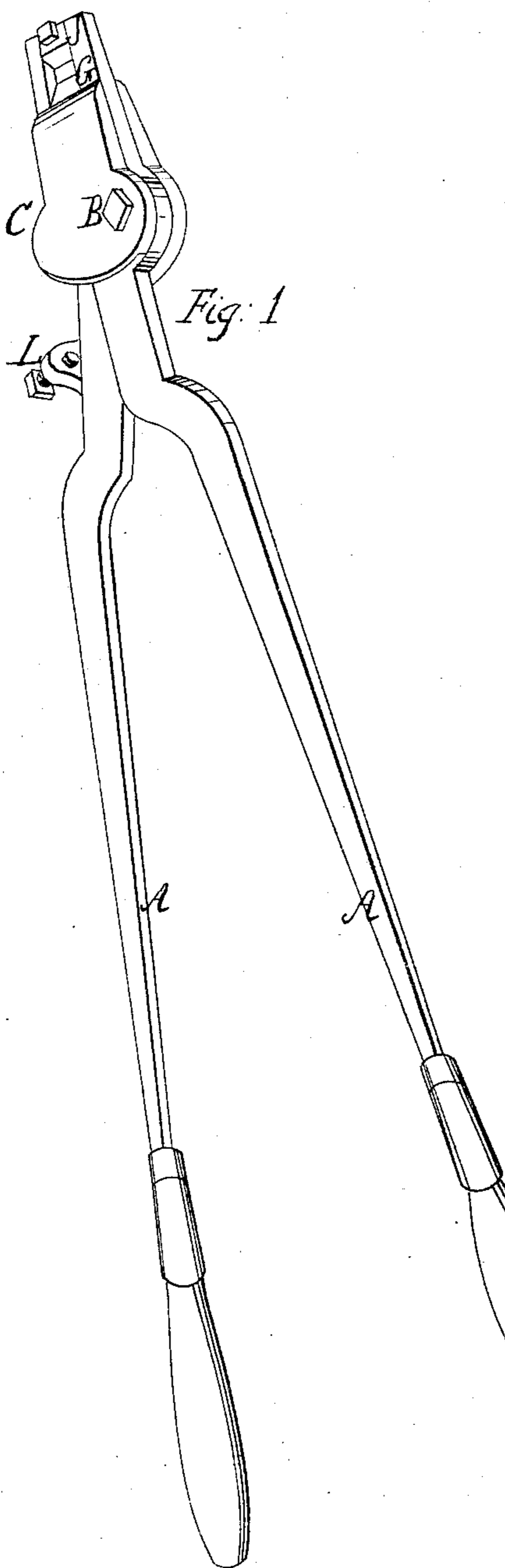
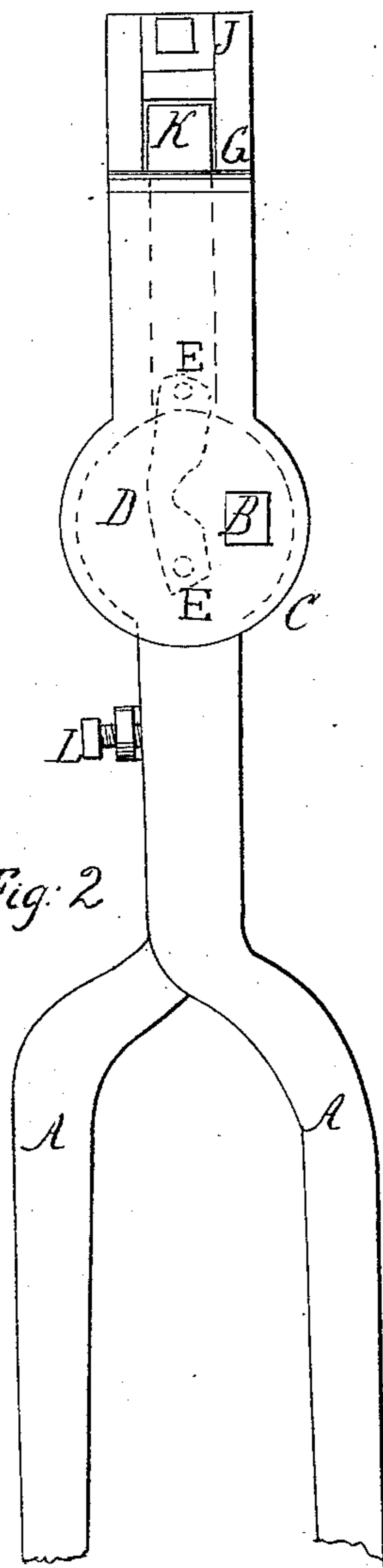


Fig. 2



Witnesses;

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Jno. J. Elliott*

*Inventor;
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*By his atty -
J. Franklin Reigart*

UNITED STATES PATENT OFFICE.

JONES GUTHRIE, OF WILMINGTON, DELAWARE.

IMPROVED SHEARS FOR CUTTING BOLTS.

Specification forming part of Letters Patent No. 57,705, dated September 4, 1866.

To all whom it may concern:

Be it known that I, JONES GUTHRIE, of the city of Wilmington, county of New Castle, and State of Delaware, have invented an Improved Tool for Cutting Bolts, Nails, or Iron Rods; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a perspective view of the tool; Fig. 2, a sectional view; and Fig. 3 the movable knife and its connecting-plate.

A represents the long handles or parallel levers working on a pivot or joint, B, the pivot being set to one side of the circular plate C, so as to operate as an eccentric. Between the plates C is a long but curved connecting-plate, D, working loosely on two pins, E E, at each end of the plate D, one pin E being attached to the circular plate C, and projecting from it, and the other pin E projecting from the lower side of the cutting-knife G, this knife working in a slot of the end of the tool as a guide. At the end of the tool is a short knife, J, movable by a set-screw, so that the blade or

beveled edge of the knife can be taken out at any time to be sharpened.

In operating the tool the handles are opened and the screw or rod to be cut is placed between the cutting-edges of the knives at K. The closing of the handles brings the knives against the rod, and it is cut with ease from both sides. This tool is used to cut off the ends of screws close to the nuts of the running-gear of carriages. The set-screw L stops the handles or levers from closing any nearer together than necessary, so that the edge of the movable knife G does not close against the edge of the opposite knife J.

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

The combination of the parallel levers A A, the joint B, with the connecting-plate E and movable knife G, operating against an opposite knife, J, and the set-screw L, all constructed and arranged as herein described, for the purposes set forth.

JONES GUTHRIE.

Witnesses:

J. FRANKLIN REIGART,
JOHN S. HOLLINGSHEAD.