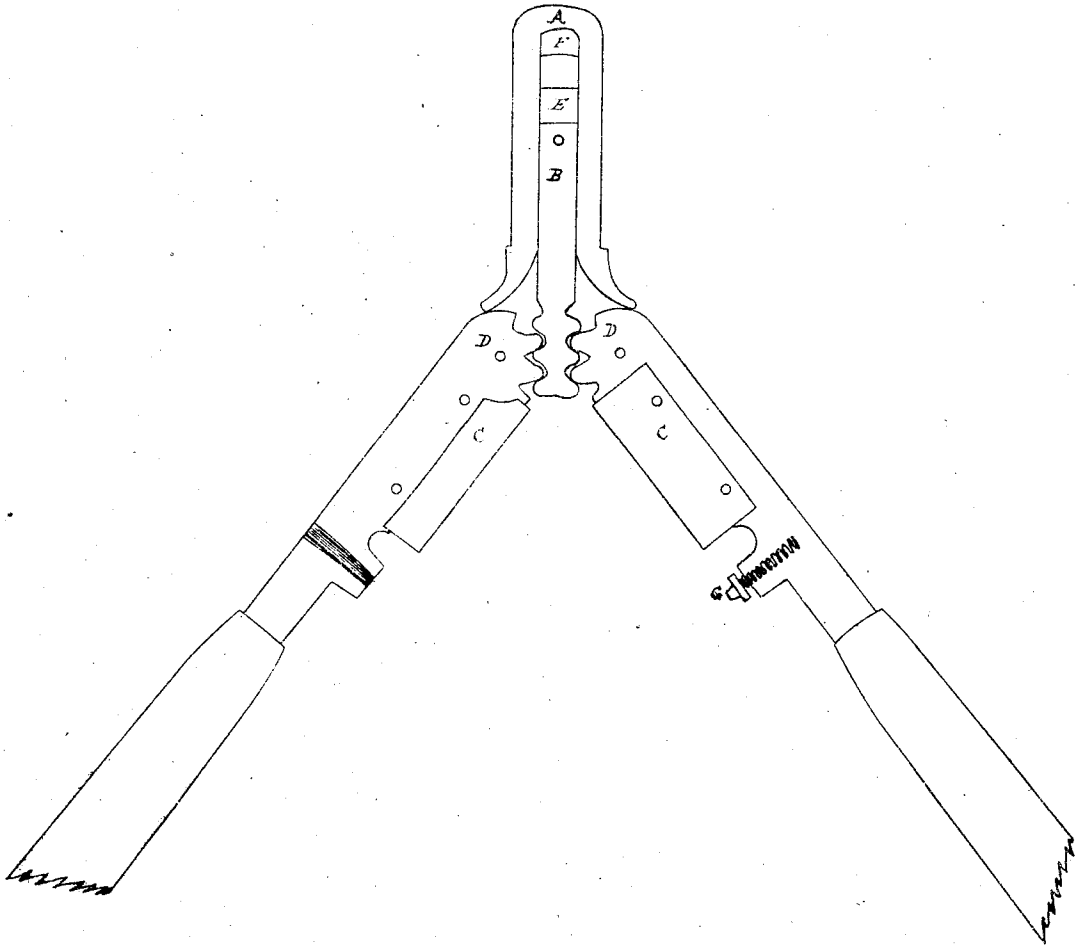
J. Johnson.

Bolt-Cutter.

No. 76197 Patented Mar. 31, 1868.



Witnesses:
William Willis
Willis & Harris.

Inventor
J. Johnson

United States Patent Office.

JESSE JOHNSON, OF WEST FALLOWFIELD TOWNSHIP, PENNSYLVANIA.

Letters Patent No. 76,197, *dated March* 31, 1868.

IMPROVEMENT IN BOLT-CUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, JESSE JOHNSON, of West Fallowfield township, in the county of Chester, and State of Pennsylvania, (my post office being Cochranville post office, Chester county, Pennsylvania,) have invented new and useful Improvements on the "Bolt-Cutter" secured by Letters Patent, numbered 65,391, dated June 4, 1867; and I do hereby declare that the following is a full, clear, and exact description of the construction of the same, reference being had to the annexed drawings, making part of this specification, in which—

A is a frame, in which stationary knife F is secured by means of a tenon. (The difference between frame A herein, and C in No. 65,391 above named, is, that A has a slot or groove inside, and C has a smooth surface; and the difference between stationary knife F herein, and stationary knife A in No. 65,391, is, that that was fastened with a screw, while this fits in a tenon.) In said frame A, the movable knife E being secured to the end of B by means of a screw or rivet, works and is kept in position, that is in line, with knife F, by sliding on a slot in said frame A. (The movable knife B in No. 65,391 was solid to the levers; in this it is in two pieces, E and B.) D and D are two levers, working in a rack with pinions. Frame A is made solid, and of the same piece with the plates, which cover about one-half of said frame and movable knife, to which said levers D D are fastened by means of screws, so that the machine may cut a level and smooth surface. (In No. 65,391 the bottom plate prevented it from cutting a smooth, level surface.) Near the ends of the levers D D, are two steel plates C C adjusted, which form a pair of shears for cutting sheet iron, wire, &c. (These shears are an addition which was not attached to No. 65,391.) At G is a set-screw, which prevents the knives from colliding, and has a punch constructed at the end, which works in a die in the opposite lever. (There was a set-screw, D, in No. 65,391, to prevent the knives from colliding, but in this it is made to perform the additional function of a punch.)

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

The compound tool herein described, consisting of the two levers D D working in a rack, B, with pinions; the steel knife E secured to the end of the rack B by screws or rivets, and made to slide in a slot or groove in the side of the frame A, which keeps it in line; the stationary knife F made rounding on the back side, and secured in the end of the frame by a tenon; the two steel plates C C adjusted near the end of the levers; the set-screw G which prevents the knives E and F from colliding, and on the end of which screw G there is a punch, constructed to work in a die on the opposite lever; the whole arranged, constructed, and employed as shown in the annexed drawing.

JESSE JOHNSON.

Witnesses:

WILLIAM WILLIS,

WILLIE S. HARRIS.