

C. M. ROBINSON.
Devices for Shearing Metals.

No. 148,495.

Patented March 10, 1874.

Fig 1.

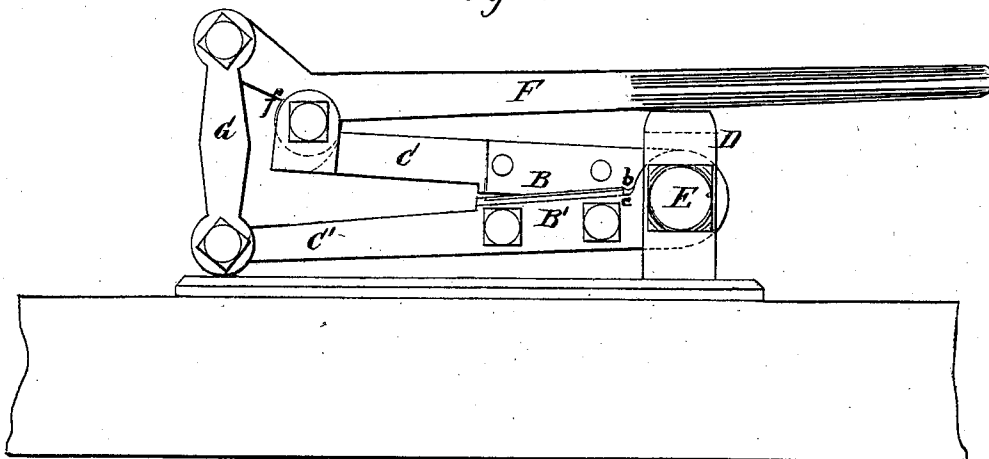
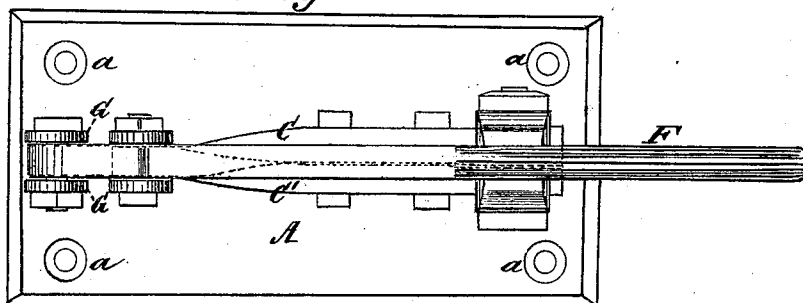


Fig 2.



Witnesses.
G. Mathys
Colon Kemm

Inventor.
Chas M. Robinson
Per *[Signature]*

Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES M. ROBINSON, OF NEWTON, IOWA.

IMPROVEMENT IN DEVICES FOR SHEARING METAL.

Specification forming part of Letters Patent No. **148,495**, dated March 10, 1874; application filed February 2, 1874.

To all whom it may concern:

Be it known that I, CHARLES M. ROBINSON, of Newton, in the county of Jasper and State of Iowa, have invented a new and Improved Machine for Cutting Iron and Steel; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side elevation. Fig. 2 is a top view.

The invention will first be fully described, and then pointed out in the claim.

A represents the bed-plate, provided with holes *a*, by which it may be fastened to a table or other support. B B' are the knives, and C C' the lever-holders, each of the knives and holders being correspondingly constructed with rounded concavities at *b* and *c*, to receive and allow to be cut a round bolt or bar, while an angular bar may be supported and cut upon their straight edges. D is the yoke or upright, across and through which passes the bolt E, that holds the levers C C', pivoted thereto, and is itself secured by a nut. F is a hand-lever, made in the form of an obtuse angle, and pivoted at the vertex *f* to the end of knife-

holder C, while the fulcrum end is pivoted between the upper ends of straps G G, the end of knife-holder C' being pivoted between the lower ends of said straps. I thus not only obtain a compound lever by conjoining the two levers C F, but, by pivoting both levers C' F in the same straps G G, the lever F is accommodated with a movable fulcrum, and allowed to be carried back over the holders C C'.

The cutters B B' come together along the whole length of their edges when the lever F reaches the top of yoke D. This brings the whole tool into a very small, compact, and convenient form, while the handle end of lever is always within easy reach of a man of ordinary size.

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

The combination, as shown and described, of the bed-plate A, standard D, levers C C', provided with knives B B', connecting-links G, and hand-lever F.

CHARLES M. ROBINSON.

Witnesses:

WATSON RAMSAY,
L. B. WESTBROOK.