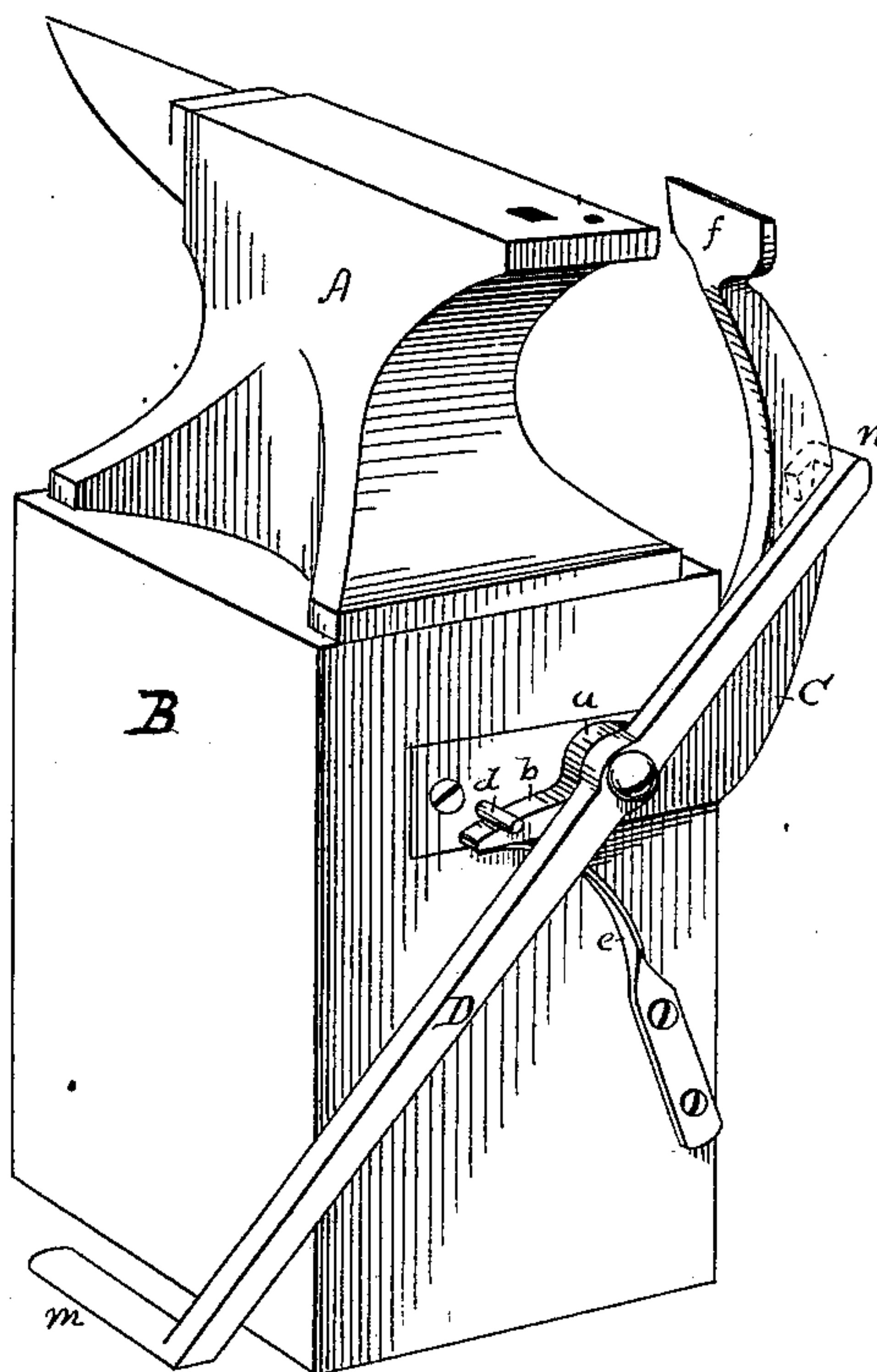


P. RICKARD & A. C. LA BRASH.
Calking-Vise.

No. 206,615.

Patented July 30, 1878.



WITNESSES:

Clarence Poole
R. K. Evans

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Attys.

UNITED STATES PATENT OFFICE.

PALL RICKARD AND ANTHONY C. LA BRASH, OF MINNEAPOLIS, MINN.

IMPROVEMENT IN CALKING-VISES.

Specification forming part of Letters Patent No. **206,615**, dated July 30, 1878; application filed April 17, 1878.

To all whom it may concern:

Be it known that we, PALL RICKARD and ANTHONY C. LA BRASH, of Minneapolis, in the State of Minnesota, have invented a new and Improved Calking-Vise; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which the figure represents a side elevation of the vise and anvil.

The object of our invention is to provide a cheap and convenient calking-vise, which can be operated by the blacksmith's foot.

Our invention consists in a swinging jaw pivoted to the anvil-block, arranged so as to be thrown against the side of the anvil by means of a foot-lever and kept open by a spring.

In order that those skilled in the art may make and use our invention, we will proceed to describe the manner in which we have carried it out.

In the said drawings, A is an anvil, mounted as usual, on a block, B. Pivoted to the block at *a* is a curved swinging lever, C, provided with a projecting arm, *b*, which is held against a pin, *d*, inserted in the block by means of curved spring *e* bearing upwardly. The

spring, by bearing arm *b* upward, keeps the face *f* on the upper end of jaw C away from the anvil, and the vise consequently open. Also, on the same pivot *a* is a lever, D, provided at its upper end with a socket, which rests over the curved lever at *n*, and at its lower end with a foot-piece, *m*, to depress the lower end. This depression of the lower end throws the upper end forward, and with it the swinging arm, until the face *f* bears against the anvil, or against a horseshoe or other article between the face and the anvil, and clamps it firmly. When the pressure is removed the spring throws the jaw outward.

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

The vise A and block B, in combination with the swinging arm C, provided with a face, *f*, lever D, and spring *e*, all constructed, arranged, and operated as set forth.

In testimony that we claim the foregoing we have hereunto set our hands.

PALL RICKARD.

ANTHONY C. LA BRASH.

Witnesses:

W. H. MITCHELL,

F. W. BELL.