

(No Model.)

J. DWYER.

HORSESHOE VISE ATTACHMENT FOR ANVILS.

No. 362,614.

Patented May 10, 1887.

Fig. 1.

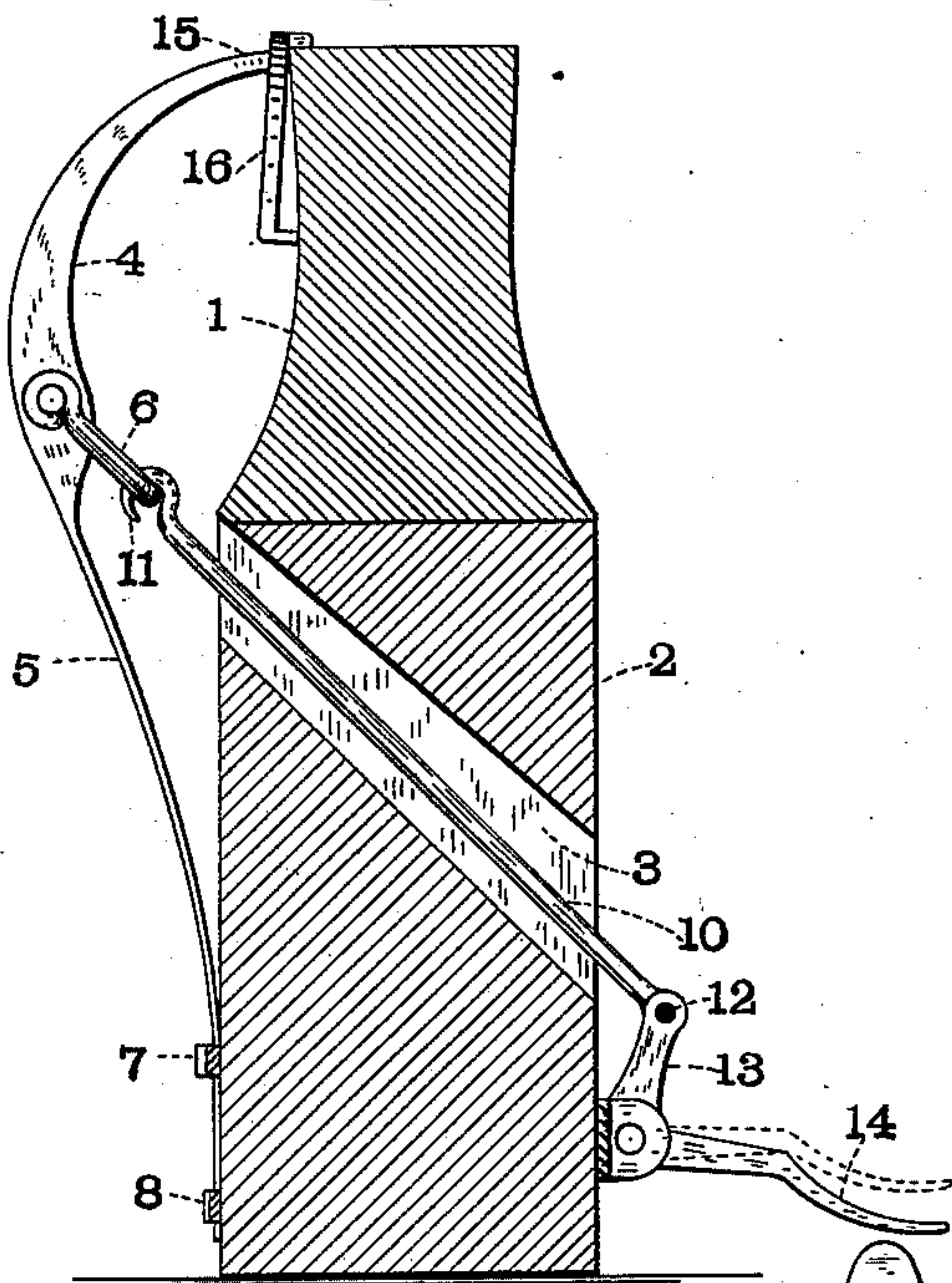


Fig. 2.

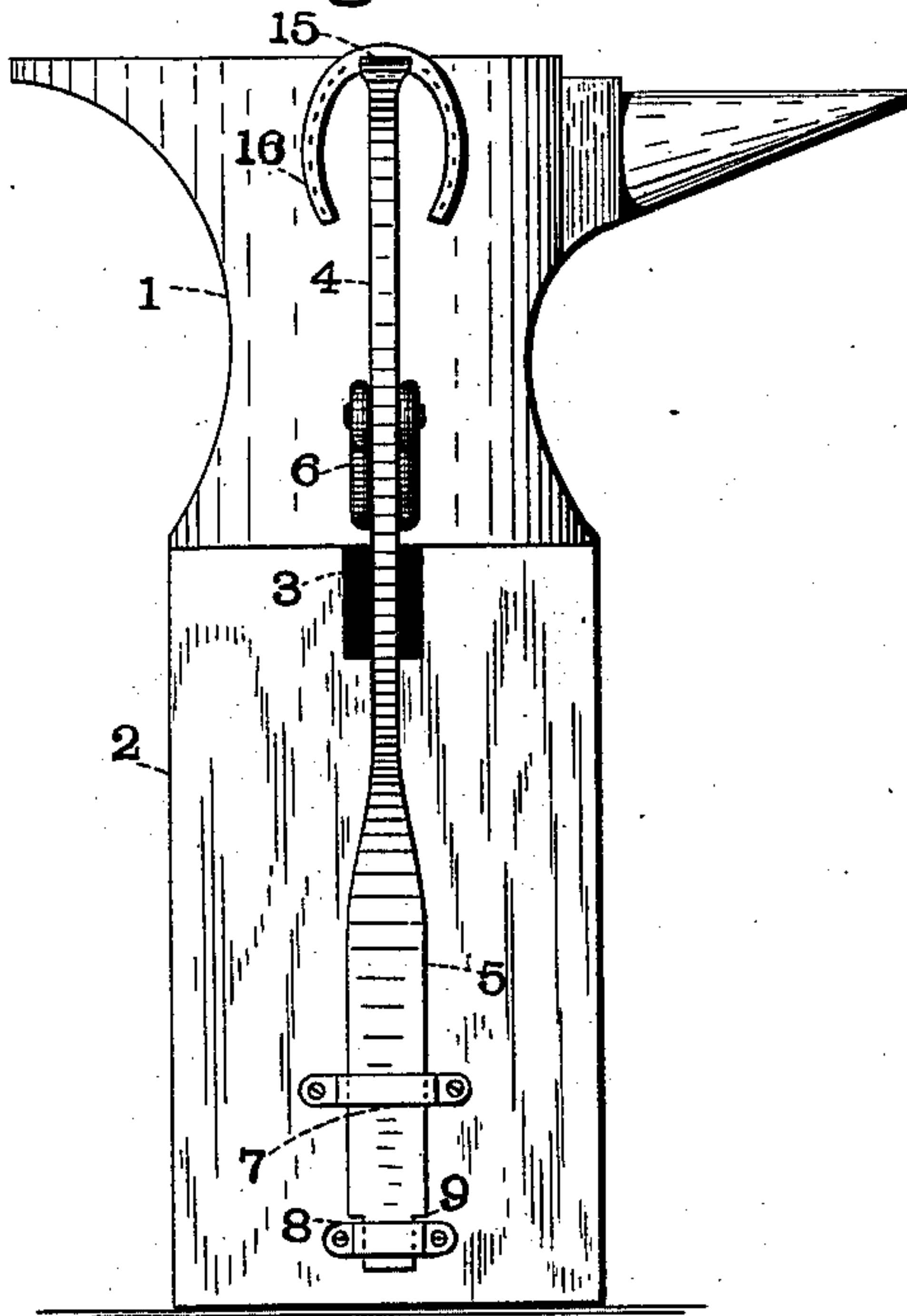
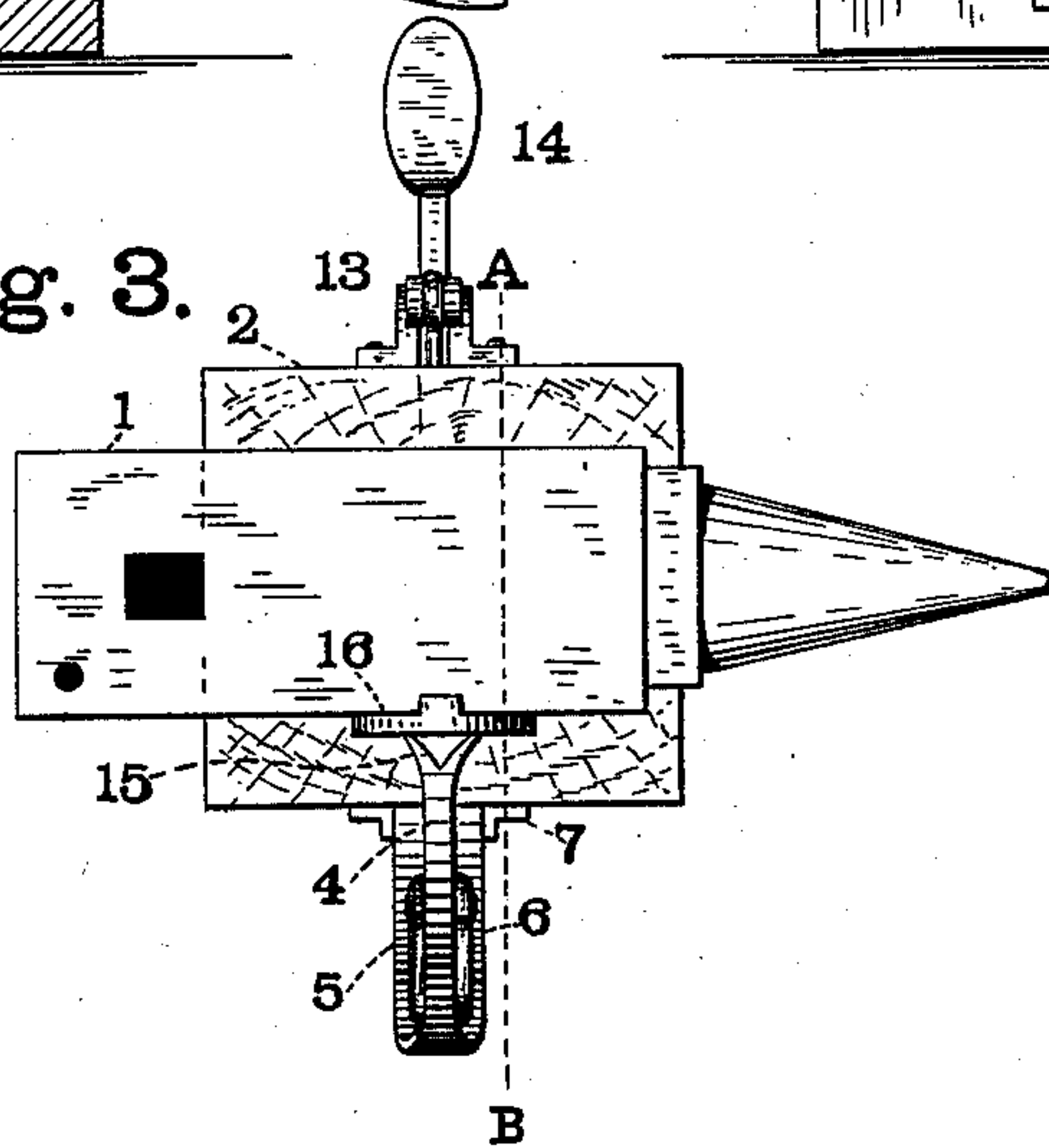


Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE.

JOHN DWYER, OF EAST PEMBROKE, NEW YORK.

## HORSESHOE-VISE ATTACHMENT FOR ANVILS.

SPECIFICATION forming part of Letters Patent No. 362,614, dated May 10, 1887.

Application filed November 11, 1886. Serial No. 218,567. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN DWYER, a citizen of the United States, residing at East Pembroke, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Anvil-Vise Attachments for Horseshoers, of which the following is a specification.

The object of my invention is to provide the means for facilitating the finishing or repairing of horseshoes, or for sharpening the calks, &c.; and it consists of an easily-removable attachment adapted to be connected to any blacksmith's anvil or the equivalent thereof, so as to operate in combination with it, all of which will be fully and clearly hereinafter shown, described, and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section through line A B, Fig. 3, cutting through the anvil and its supporting-block. Fig. 2 is a back view of the anvil, anvil-block, and the attachment connected with it; and Fig. 3 represents a top view of the anvil and attachment complete.

The anvil 1 is of the ordinary construction; but any other form of anvil or block may be used.

2 is the usual base or supporting block. It is provided with a downwardly-inclined opening or passage, 3, through it. (See Figs. 1 and 2.)

The curved arm 4, for holding the horseshoe to be operated upon, is provided with a spring portion, 5, and also with a pivoted link, 6. The spring portion is adapted to pass through the staple 7 and down into the staple 8, until stopped by the shoulders 9. (Shown in Fig. 2.) A connecting-rod, 10, having a hook, passes through the opening 3, and is hooked into the link 6 by means of the hook portion 11. Its opposite end is pivoted by a pivot, 12, to an arm, 13, connected with the foot-step, 14. The clamping-jaw 15 of the curved arm 4 is forked, as shown in Fig. 3.

The object of this construction is to provide the means for holding a horseshoe firmly against the anvil, so that it cannot move, or the heaviest side cause it to turn out of position, which it would be liable to do if a single point were used. A further advantage resulting from this construction is that, if for any purpose it is best to hold the shoe or other article by a single point, it can be placed in

and held by one of the prongs of the jaw 15. This often happens, and it is necessary that the means be provided for holding the horseshoe or work to be done in all the positions that the exigencies of the work may require. Another important and indispensable feature is that the curved arm 4 is adapted to be easily removed by drawing it up out of the staples 7 and 8. The connecting-rod 10 may also be quickly unhooked and taken off from its connection with the curved arm 4 and the foot-step 14, and be readily drawn out from the opening 3 away from the block, so that all the parts may be easily and quickly removed when required, as it is often necessary to use the anvil for other purposes without the attachment.

The operation of the invention will be easily understood. A horseshoe, 16, to be repaired or otherwise operated upon, is taken in the tongs in the usual way and placed against or upon the anvil, between it and the jaws 15, and is there held securely in any position required for sharpening or otherwise finishing the calks by pressing with the foot-step, or with the foot upon the foot-step, thereby causing the jaw 15 to close against and hold it, substantially as shown. By this means considerably more work and of much better quality can be done in a given time than it is possible to do by hand in the usual way.

I claim as my invention—

1. An attachment for blacksmith's anvils, consisting of the removable curved arm 4, provided with a clamping-jaw, the spring portion 5, and shoulders 9, in combination with an anvil and anvil-block, the staples 7 and 8, pivoted link 6, removable connecting-rod 10, and a pivoted foot-step having an arm, 13, to which the connecting-rod is secured so as to be easily removable, substantially as described.

2. An easily-removable curved arm, 4, its forked jaw 15, its spring portion 5, provided with shoulders 9, in combination with an anvil, an anvil-block provided with an opening, 3, and staples for securing the spring portion 5, a pivoted link, 6, pivoted foot-step 14, its arm 13, and the removable connecting-rod 10, substantially as and for the purposes described.

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Witnesses:

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