G. W. COLE.

HARDY ATTACHMENT FOR ANVILS.

APPLICATION FILED DEC. 4, 1907.

898,969. Patented Sept. 15, 1908.

Fig. 2.

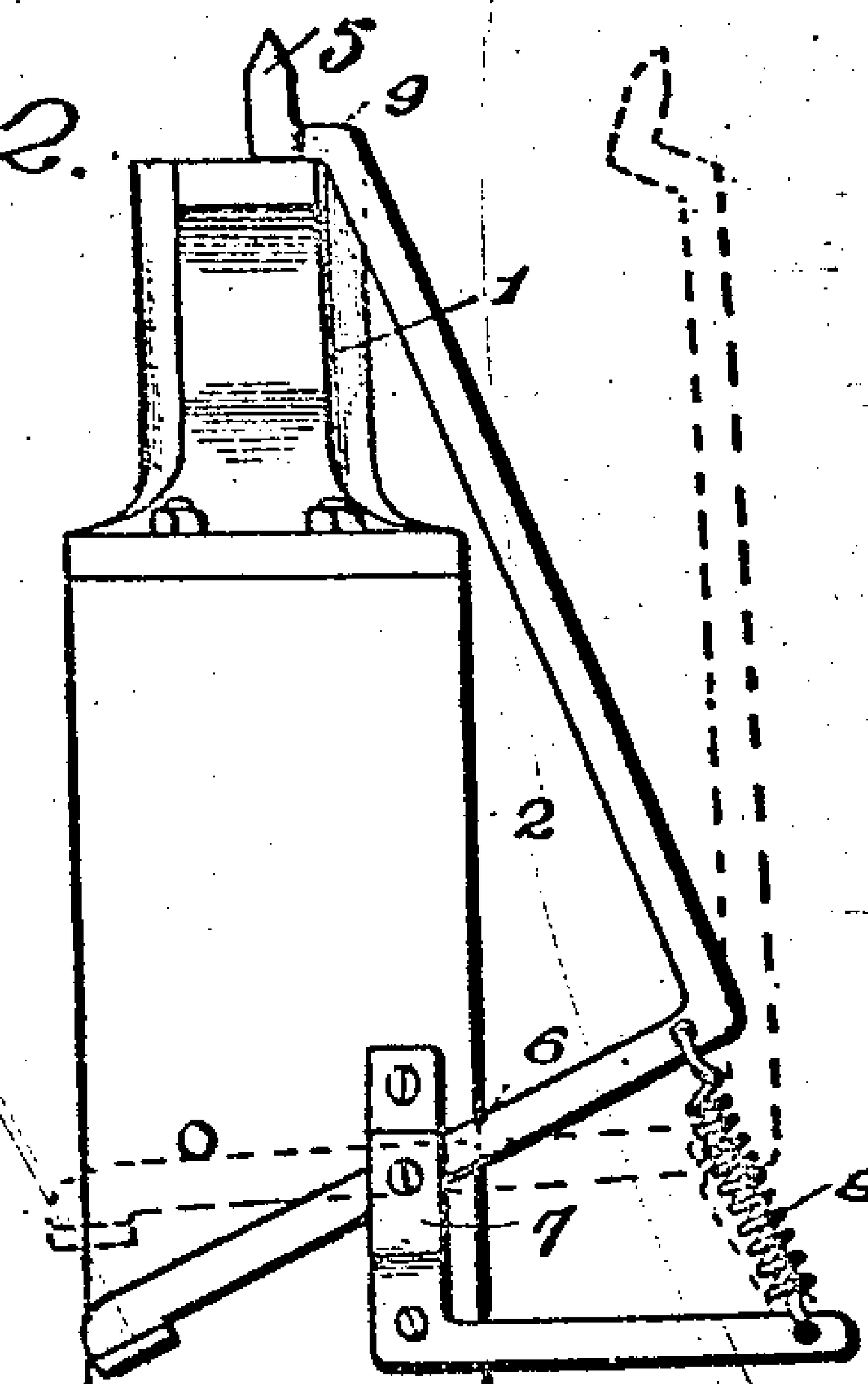


Fig. 1.

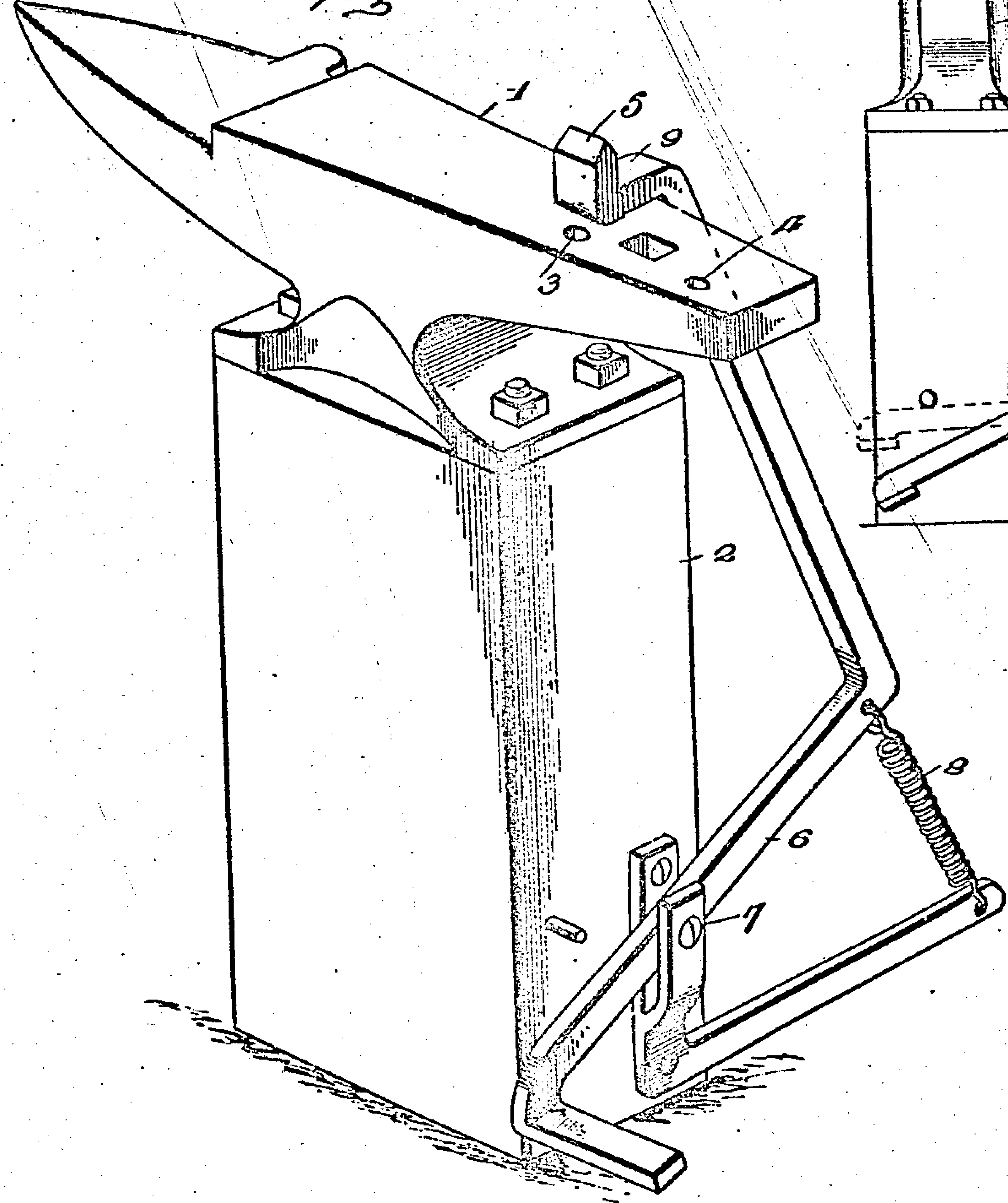
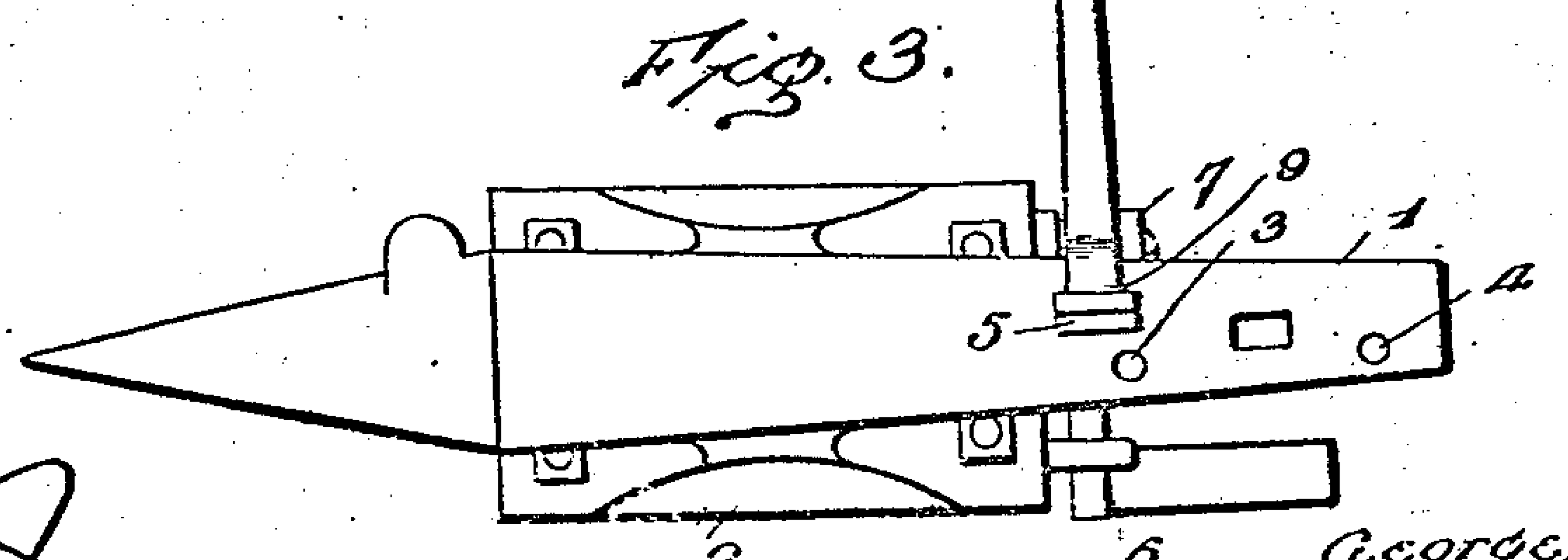


Fig. 3.



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Witnesses

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HARDY ATTACHMENT FOR ANVILS.

No. 898,969. Specification of Letters Patent. Patented Sept. 15, 1908.

Application filed December 4, 1907. Serial No. 404,991.

To all whom it may concern:

Be it known that I, GEORGE W. COLE, of Niles, in the county of Trumbull and State of Ohio, have invented certain new and useful Improvements in Hardy Attachments for Anvils; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The primary object of this invention is to so form an anvil as to make it adaptable for shoes of various sizes, and also to enable holes to be punched in shoes without the necessity of turning them to any considerable extent.

A further object is to provide an anvil with a hardy which is normally held out of the way and yet capable of being properly positioned by means both simple and not liable to readily get out of order.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawing, Figure 1 is a view in perspective. Fig. 2 is an end view. Fig. 3 is a top plan view.

Referring to the drawing, 1 designates an anvil mounted on a base 2. The working arm of the anvil is of gradually lessening width from the horn, and near its narrow end is provided with punching holes 3 and 4. These holes are spaced apart about the width of an ordinary horse-shoe to permit of the punching of the holes by simply moving the shoe backward and forward instead of having to give it a half turn, as has heretofore been required. By tapering the anvil arm or graduating the width thereof shoes of different sizes are readily accommodated.

5 designates the hardy, which, when not in use, is automatically held out of the way, and yet is capable of being readily positioned over the anvil when required. The hardy is shown as constituting the end of a foot lever 6 fulcrumed in bracket 7 mounted on base 2, the foot treadle being located at the front of the base in position to permit of easy manipulation by the operator.

The bracket 7 has a right-angular rearwardly-extended arm to which is connected one end of a coil spring 8, the other end of which is connected to lever 6. This spring serves to normally hold the hardy in its inactive or retracted position. By bearing downwardly upon the foot treadle the lever will be thrown forward so as to position the hardy above the anvil, the forwardly-extended angular portion 9 of such lever overhanging and bearing directly upon the top face of the anvil. The lever is mounted on the base at such point as to allow this angular portion 9 to just clear the face of the anvil to permit of sufficient support being derived therefrom while the hardy is being used. The engagement between the angular portion of the lever and the anvil is such, however, that as soon as pressure is removed from the foot treadle the lever will be instantly acted upon by its spring 8 and the hardy withdrawn to the rear. It is obvious, of course, that if desired the hardy-carrying lever may be operated by hand.

It will be seen from what has been stated that I have provided a combined anvil and hardy so constructed and arranged as to greatly facilitate a farrier in the manufacture or reforming of horse-shoes; that the punching of the holes in a shoe may be greatly facilitated; that the anvil is adaptable for shoes of various sizes; and that the hardy while normally held out of the way may be instantly brought into position for use. It will also be observed that the means for accomplishing this latter purpose is extremely simple and not liable to readily get out of order.

I claim as my invention:

1. In combination with an anvil, a hardy normally held out of engagement therewith, a lever carrying said hardy and having a treadle and a bent portion, said bent portion being immediately adjacent to said hardy and designed to rest upon the face of the anvil when the hardy is in use.

2. In combination with an anvil, a hardy, a lever with which such hardy is formed integral, said lever immediately adjacent to the hardy being bent so as to rest directly on the anvil, said lever having at its other end a treadle, and a spring acting on said lever for holding the hardy out of engagement with the anvil.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

GEORGE W. COLE.

Witnesses:
F. J. ROLLER,
RICHARD BIDDLESTON.