

R. D. Chandler.

Combined Anvil and Vise.

Nº 91,909.

Patented Jun. 29, 1869.

Fig. 1.

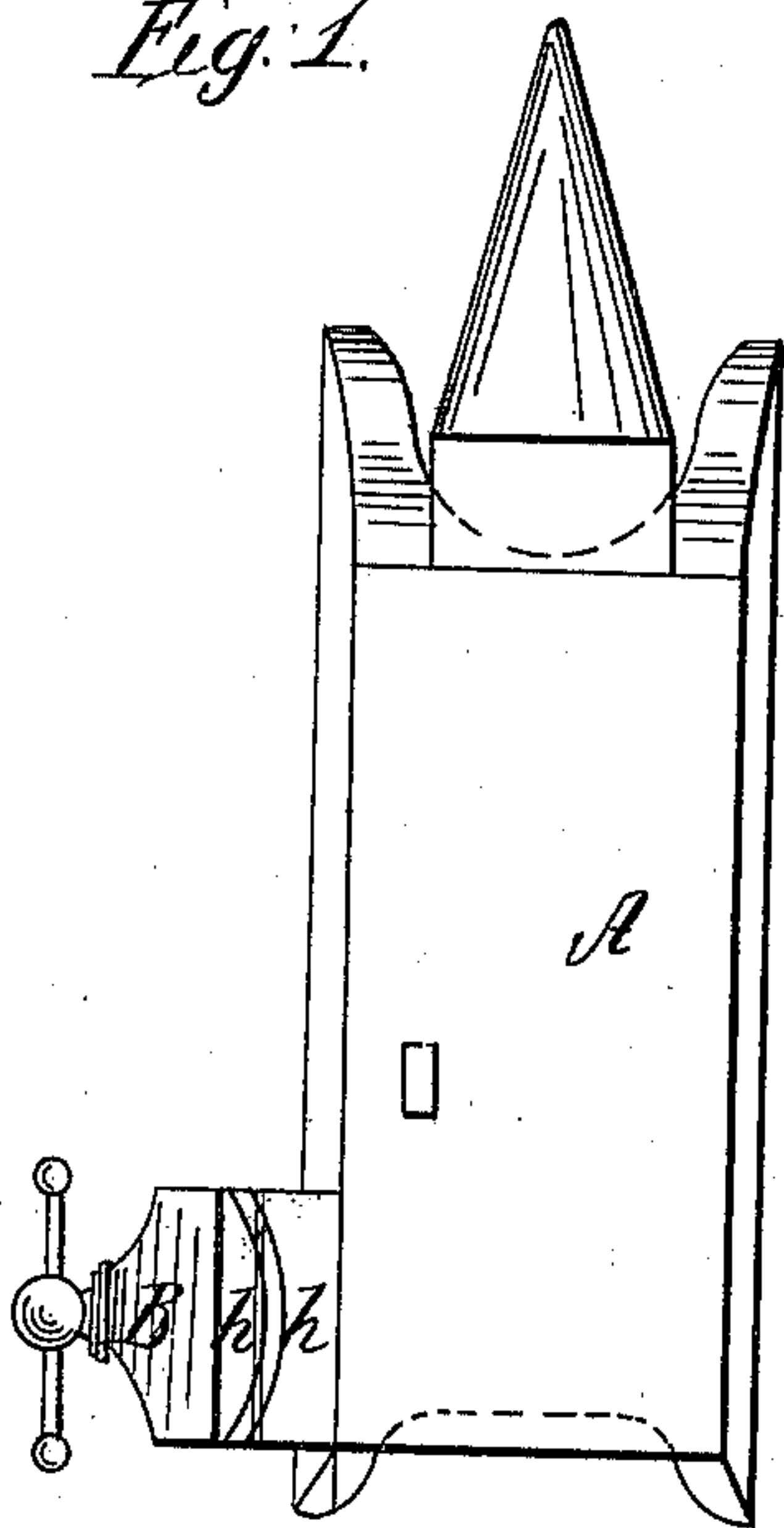
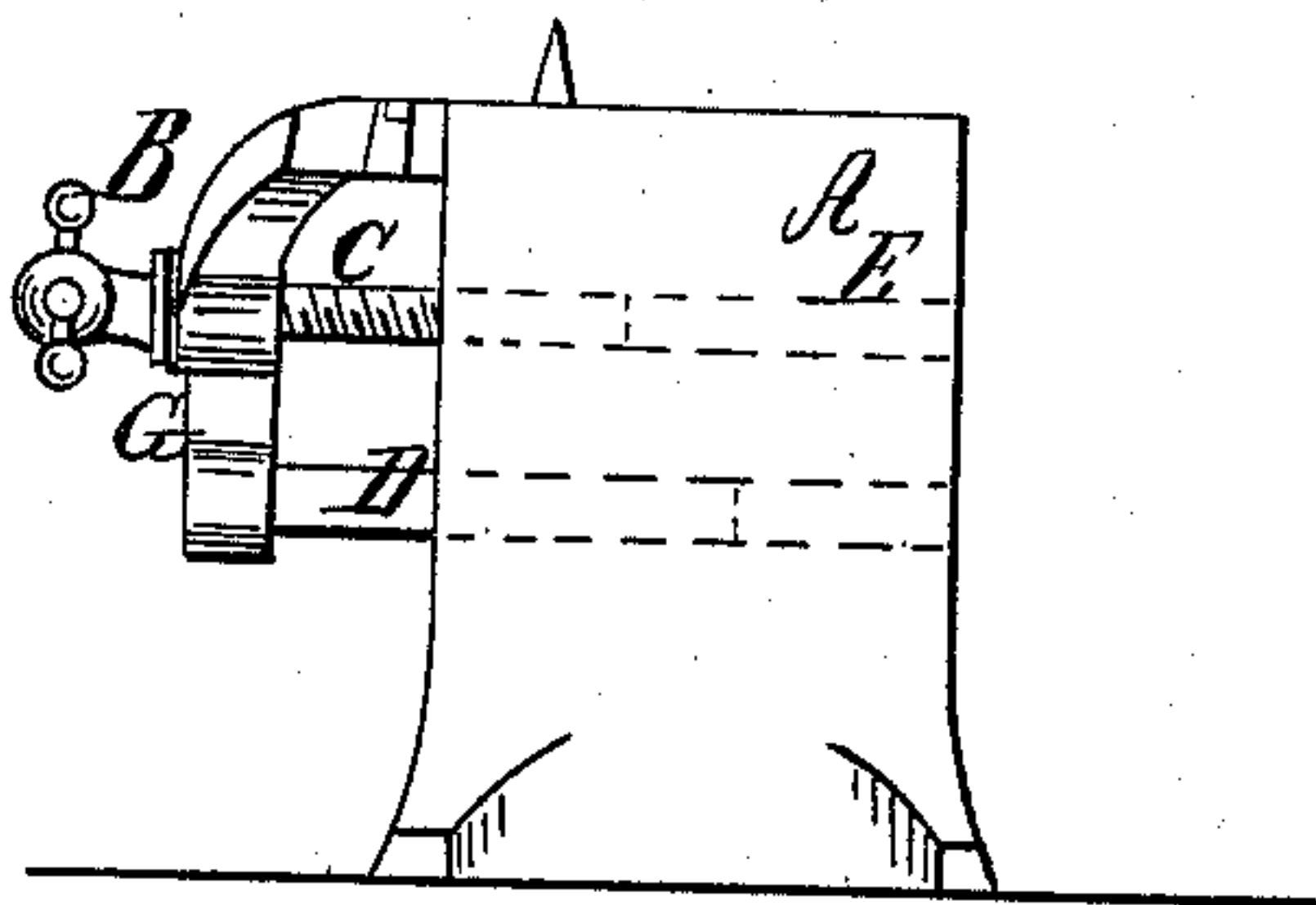


Fig. 2.



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R. D. CHANDLER, OF FAIRHAVEN, NEW JERSEY.

Letters Patent No. 91,909, dated June 29, 1869.

IMPROVED ANVIL AND VISE COMBINED.

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

To all whom it may concern:

Be it known that I, R. D. CHANDLER, of Fairhaven, in the county of Monmouth, and State of New Jersey, have invented a new and improved Combined Anvil and Vise; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a combination of two well-known articles, the blacksmith's anvil and iron vise.

And the invention consists in attaching the vise to the anvil, so that it is immediately under the eye of the blacksmith, and extremely handy for him to use in heading bolts, and for other purposes.

Figure 1 is a top view of the anvil and vise combined.

Figure 2 is a back-end view of the same.

Similar letters of reference indicate corresponding parts.

The anvil is made in the ordinary form, but its length may be somewhat greater than the common anvil, for the purpose of giving room for the vise.

A is the anvil.

B represents the vise.

In forming the anvil, orifices are made through it for the screw C, and the steady-bar D of the vise.

A screw-thread is cut in the screw-orifice E, to en-

gage with the screw, or a cavity may be formed in the anvil to secure a screw-nut, as may be most desirable, but I prefer to cut the thread for the screw directly in the anvil, as seen in the drawing.

The bar D slides back and forth in its orifice F, as the jaw G of the vise is extended, or screwed up.

Detachable circular blocks *h h*, may be attached to the anvil and jaw (as seen) by dowel-pins, or otherwise, for forming or bending wagon-tire, as seen in the drawing.

In forming the heads of bolts, or in upsetting pieces of iron or steel, the vise arranged in this manner is extremely convenient, as such work must be done while the iron is hot; and when the smith is obliged to carry the hot iron across the shop to use the vise, the operation must necessarily be imperfect.

By this arrangement he not only has a solid foundation for his vise, but he has the vise just where he wants it.

I claim as new, and desire to secure by Letters Patent—

The anvil and vise, constructed, combined, and arranged, as herein described and shown.

R. D. CHANDLER.

Witnesses:

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