

H. V. BROWN.  
Improvement in Vises.

No. 115,275.

Patented May 30, 1871.

Fig. 1.

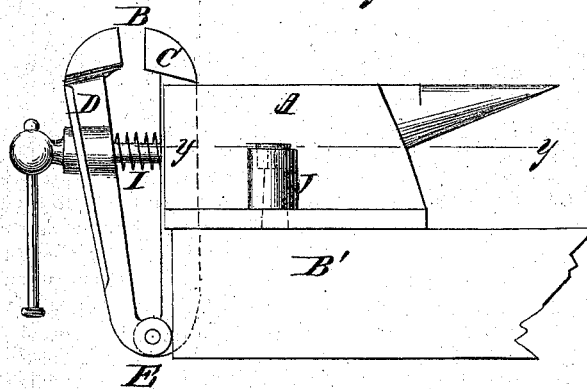


Fig. 2.

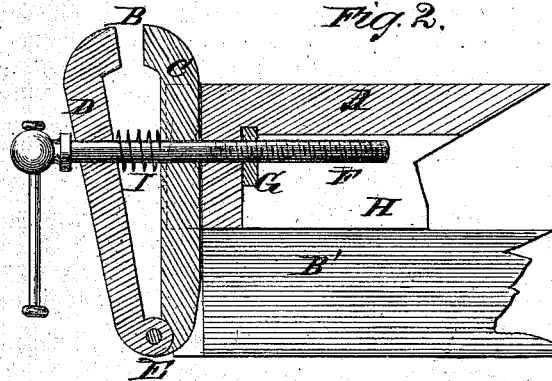
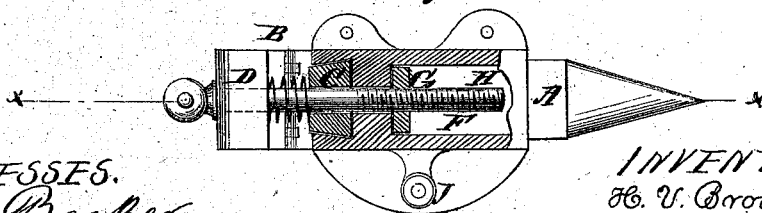


Fig. 3.



WITNESSES.

John Becker.  
Wm. H. L. Smith.

INVENTOR  
H. V. Brown.

per. Wm. H. L. Smith.  
Attorneys.

# UNITED STATES PATENT OFFICE.

HARVEY V. BROWN, OF WARREN, ILLINOIS.

## IMPROVEMENT IN VISES.

Specification forming part of Letters Patent No. 115,275, dated May 30, 1871.

*To all whom it may concern:*

Be it known that I, HARVEY V. BROWN, of Warren, in the county of Jo Daviess and State of Illinois, have invented a new and useful Improvement in Combined Anvil and Vise; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

In the accompanying drawing, Figure 1 is a side elevation. Fig. 2 is a vertical section taken on the line *x x* of Fig. 3. Fig. 3 is a horizontal section of Fig. 1 taken on the line *y y*.

Similar letters of reference indicate corresponding parts.

A is the anvil. B is the vise. B' represents the anvil-block. C is the fast jaw of the vise, which is dovetailed with the butt-end of the anvil, as seen in Fig. 3. D is the movable jaw of the vise. The two jaws are hinged together at the bottom in the usual manner, as seen at E. F is the vise-screw. G is the nut in which the screw works. The anvil is cast with a recess, H, into which the screw passes, as seen in Figs. 2 and 3. I is a spring on the screw between the jaws to press the jaws

apart. It will be seen that the rear or butt end of the anvil and the stationary jaw of the vise are firmly connected together. The screw-nut G is supported against the solid back of the anvil, so that the vise and the anvil, or either, may be used in the most effective manner. The anvil is firmly fastened to the block B by spiking or otherwise. The vise is held in position in the dovetail by a screw or bolt, or in any manner so that the vise may be readily detached so as to be used separate from the anvil. J represents a die or swage stand cast with the anvil, with a tapering hole and recess in the top for securing and supporting removable dies, of any required size, for either heading bolts and rivets or for making wooden pins.

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

The anvil A, provided with the dovetailed groove, the stand J, and with the recess H, jointly with the vise C D, screw F, and nut G, substantially as shown and described.

HARVEY V. BROWN.

Witnesses:

GEORGE SANFORD,  
WILLIAM DELMAGE.