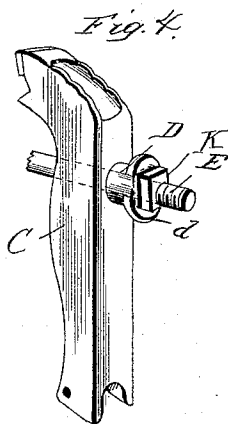
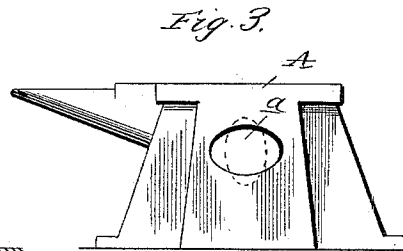
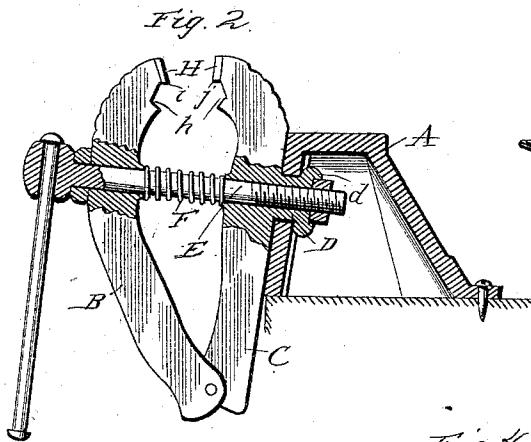
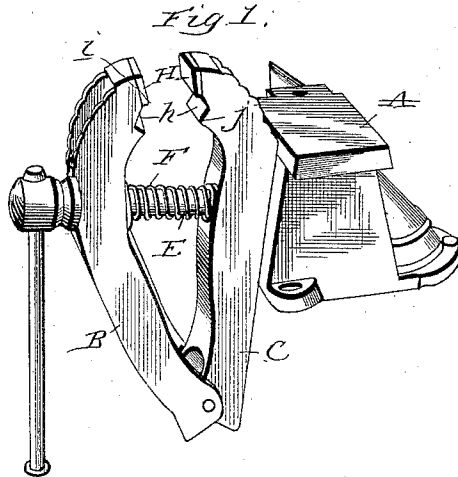


(No Model.)

W. E. CANEDY.  
COMBINED ANVIL AND VISE.

No. 426,362.

Patented Apr. 22, 1890.



Witnesses  
*H. Haeder*  
Van Buren Hillyard

Inventor  
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By his Attorneys  
*R. H. Lacey*

# UNITED STATES PATENT OFFICE.

WILLIAM E. CANEDY, OF DOWNER'S GROVE, ILLINOIS, ASSIGNOR OF ONE-HALF TO WILLIAM H. EDWARDS, OF SAME PLACE.

## COMBINED ANVIL AND VISE.

SPECIFICATION forming part of Letters Patent No. 426,362, dated April 22, 1890.

Application filed July 2, 1889. Serial No. 316,278. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. CANEDY, a citizen of the United States, residing at Downer's Grove, in the county of Du Page and State of Illinois, have invented certain new and useful Improvements in Combined Anvil and Vise; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a combined anvil and vise, its object being to devise a simple and efficient means for connecting the vise with the anvil, and which will admit of the vise being readily and easily detached from the anvil when it is desired to use the latter only.

A further object of the invention is the construction of a vise that can be used either as a pipe or smith's vise, and which will be equally efficient in either capacity as a vise constructed for the especial purpose.

The improvement consists of the novel features which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of the invention; Fig. 2, a central cross-section of the vise and anvil; Fig. 3, a side view of the anvil; Fig. 4, a perspective view of the inner leg of the vise.

The anvil A is hollow and has an oblong opening *a* in its side, the greatest length of the opening *a* being in the direction of the length of the anvil.

The vise is composed of the two legs B and C, which are pivoted together at their lower ends, and is secured to the anvil by the projection D on the rear of the leg C. This projection has an oblong-shaped head *d*, which corresponds with the opening *a*, and which has its

greatest axis parallel with the length of the leg. To secure the vise to the anvil, the former is placed in a horizontal position and the projection D passed through the opening *a*, when the vise is turned into a vertical position, causing the oblong head *d* to set crosswise of the said opening and hold the vise in position, as will be readily understood. The projection is bored to receive the screw E, which passes through the leg B and screws into the nut K, set in a recess in the said projection D to bring the jaws of the legs B and C together. The spring F, mounted on the screw E and arranged between the legs, forces the latter apart when the screw E is turned out.

The jaws of each of the legs B and C have a straight face H and a V-shaped groove *h* parallel with the upper edge of the jaw and below the face H, forming the two cutting-edges *i* and *j*, which latter bite into the pipe and hold it from rotating.

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

1. The herein-described vise, having a projection, as D, provided with an oblong head, as *d*, substantially as and for the purpose described.

2. The combination, with the anvil having an oblong opening, of the vise having a locking projection provided with a corresponding oblong head, substantially as set forth.

3. The combination, with the anvil having an oblong opening, of the vise having a locking projection that is bored and recessed to receive a nut, and which is provided with an oblong head, and the screw, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM E. CANEDY.

Witnesses:

S. E. VERMILYEA,  
H. H. ROSE.