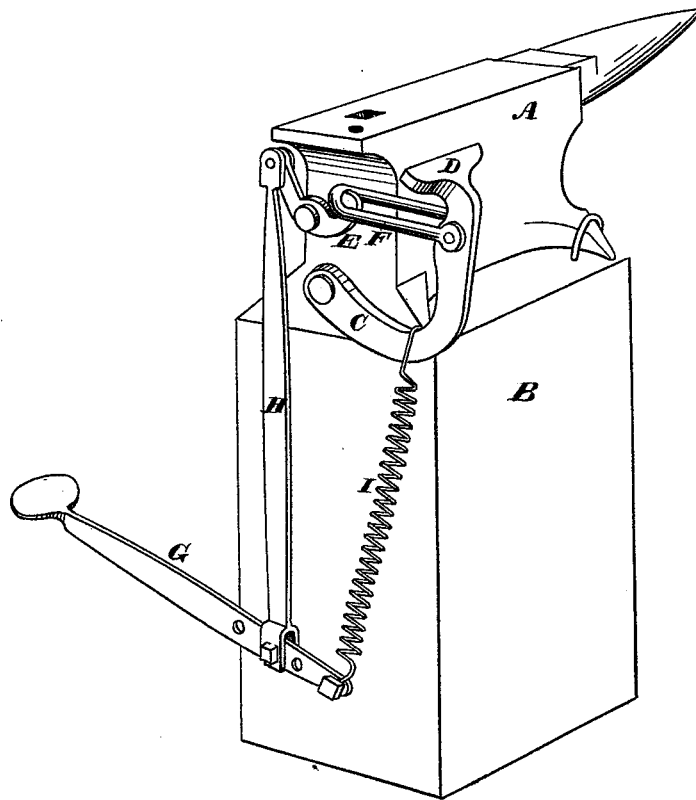


J. BOLT.  
ANVIL-VISE.

No. 180,834.

Patented Aug. 8, 1876.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOSEPH BOLT, OF BENICIA, CALIFORNIA.

## IMPROVEMENT IN ANVIL-VISES.

Specification forming part of Letters Patent No. **180,834**, dated August 8, 1876; application filed June 2, 1876.

*To all whom it may concern:*

Be it known that I, JOSEPH BOLT, of Benicia, Solano county, State of California, have invented an Anvil-Vise; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention without further invention or experiment.

My invention relates to certain improvements in the construction of vises for blacksmiths' use; and it consists in a vise of novel construction, which is so fixed to the anvil that it can be operated by the foot, and thus any small article can be at once seized and worked into shape before the heat is lost, and with no delay.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a perspective view of my anvil-vise.

A is an anvil mounted upon its block B. A hole is tapped into its lower rear end, and the bent arm C is secured to the anvil by means of a stout bolt entering this hole. The arm C is carried back to the side opposite to where the operator stands; thence it is curved up and forward, as shown, terminating in a jaw, D, which is formed upon its upper end, so that when brought against the side of the anvil it will be flush with its upper surface, forming a movable jaw of a vise. In order to operate this jaw, I pivot a curved lever, E, to the end of the anvil, just above the point of sup-

port of the arm C. One end of this lever is formed into a hook to receive the link F, which is loosely secured to the arm C, and may be connected with or disconnected from the hook at pleasure. The opposite end of the lever is connected with the treadle G by means of a connecting-rod, H, so that when the foot is placed upon the treadle the jaws of the vise will be closed. In order to open them it will only be necessary to connect a spring, I, with the arm C, so that it will be pulled back when the treadle is released. By this construction I am enabled to do small work—bending short angles, &c.—without leaving the anvil, and the heat will not be lost, as when the hammer must be laid down to screw up an ordinary vise. When the vise is unnecessary or in the way, the link may be detached from the lever-hook, thus allowing the arm C and jaw to fall out of the way.

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

In combination with the arm C, with its jaw D and the lever E, the detachable connecting-link F, so adjusted that the jaw D may be thrown out of the way, substantially as herein described.

In witness whereof I hereunto set my hand and seal.

JOSEPH BOLT. [L. s.]

Witnesses:

GEO. H. STRONG,  
CHAS. G. PAGE.