E. HODGDON.

Anvil.

No. 165,732. Patented July 20, 1875.

Fig. 1

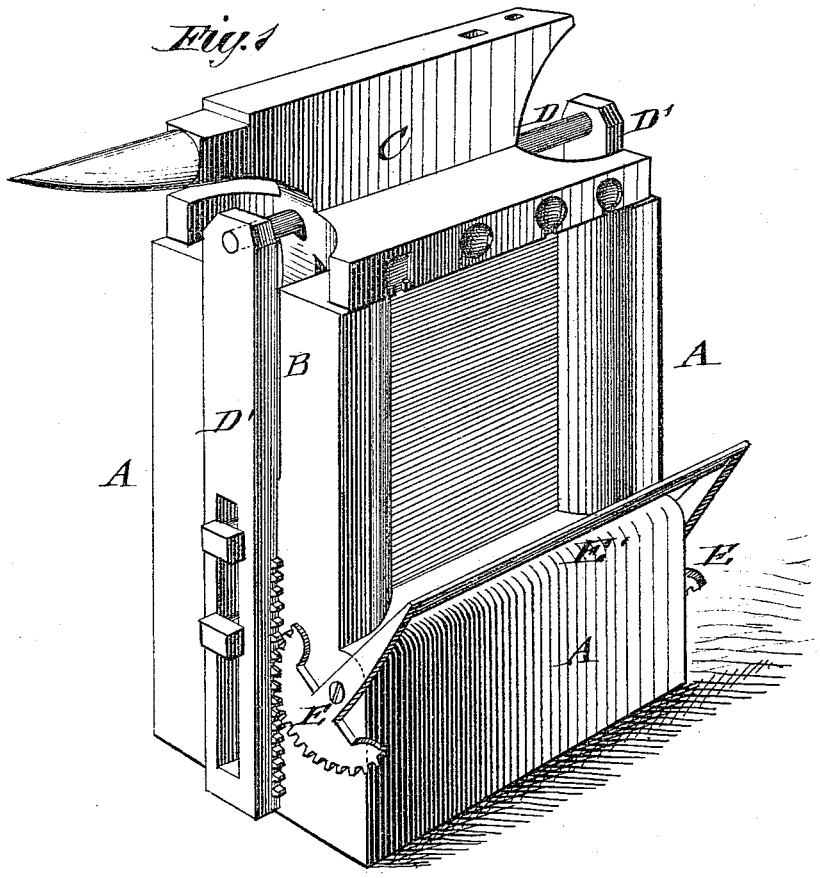
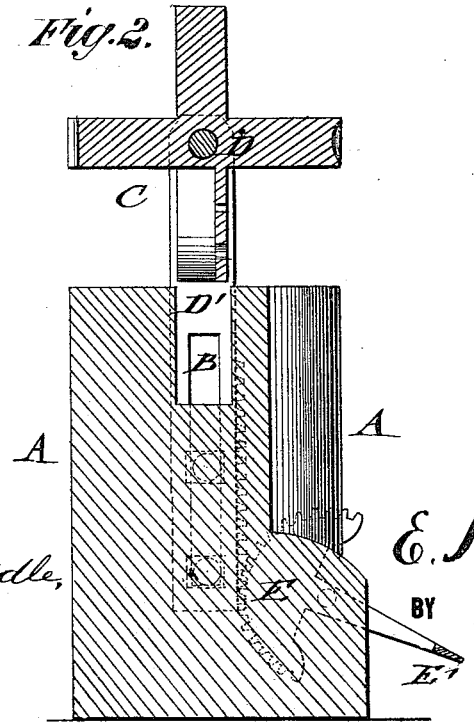


Fig. 2.



WITNESSES:

Francis McArdle,

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INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

EDWIN HODGDON, OF SPRINGDALE, MAINE, ASSIGNOR TO HIMSELF AND ANSEL J. CHENEY, OF SAME PLACE.

IMPROVEMENT IN ANVILS.

Specification forming part of Letters Patent No. **165,732**, dated July 20, 1875; application filed April 17, 1875.

To all whom it may concern:

Be it known that I, EDWIN HODGDON, of Springdale, in the county of York and State of Maine, have invented a new and useful Improvement in Rotary Anvils, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a perspective view of my improved rotary anvil, and Fig. 2 a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to a rotary anvil which combines in one implement the advantages of anvil, swages, punch, heading, and other tools, in such a manner that any one of them can be thrown into use instantly with great facility. My invention consists in a rotary swage or anvil having a number of working-faces, which is supported and seated upon a recessed block having its top portions properly conformed to it in shape.

To enable the anvil to be raised from the base-block, and rotated for the purpose of changing the working-face, it is pivoted to and between parallel vertically-movable bars, as hereinafter described.

In the drawing, A represents the base or supporting block of my rotary anvil; B, a central longitudinal recess of the same, into which all the working parts of the anvil C are fitted, so that the same may be firmly seated and rigidly supported therein when any one of the parts is carried back into the recess. The anvil-piece C is made of four parts, arranged at right angles to each other, and made in one piece, representing the common tools hitherto used separately in the trades, as puncher, heading-tool, swages of different sizes and depths, and other tools, as may be desired. A supporting-shaft, D, passes through a central longitudinal perforation of the anvil-piece C, and is applied to strong sliding side standards D′, that are guided by slots and headed bolts or otherwise along the end of base-block A. The sliding standards D′ gear, by side racks, with sector-shaped or mutilated pinions E, pivoted to block A, and are operated by a connecting-lever, E′, for being raised or lowered to carry the anvil C out of the recessed socket part of the base-block, and allow the rotation of the same in either direction on the shaft, and thereby the carrying into position for use of any of the tools of the same, as required. When the special part of the anvil to be used is at the top the operating-lever is swung up, which carries the sliding standards down and returns the opposite section of the anvil to the recess of the base block, imparting stability to the whole. Thus various tools are combined in one compact and convenient implement, that forms a very useful and economical tool for blacksmiths' and other shops.

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

1. The combination of a rotary anvil, C, a supporting recessed base-block, the shaft D, and vertically-movable bars D′, substantially as and for the purpose specified.

2. The anvil C, having radial working-faced parts or sections, in combination with the base-block A, having its top portion and central socket of a shape conformed to the said sections, whereby the anvil is firmly seated and supported when adjusted with any one of its spaces uppermost, as shown and described.

EDWIN HODGDON.

Witnesses:

HOWARD FROST,

WILSON S. CHENEY.