

(No Model.)

E. A. BRUSH,
FILING BLOCK.

No. 525,587.

Patented Sept. 4, 1894.

Fig 1

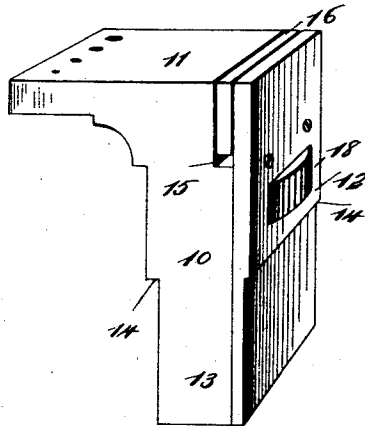
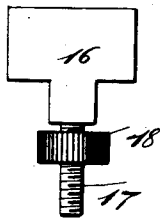


Fig 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWIN A. BRUSH, OF HYDESVILLE, CALIFORNIA.

FILING-BLOCK.

SPECIFICATION forming part of Letters Patent No. 525,587, dated September 4, 1894.

Application filed February 27, 1894. Serial No. 501,656. (No model.)

To all whom it may concern:

Be it known that I, EDWIN ASA BRUSH, of Hydesville, in the county of Humboldt and State of California, have invented a new and Improved Filing-Block, of which the following is a full, clear, and exact description.

My invention relates to improvements in filing blocks such as are adapted to be held in a vise and to afford a support for a wire or other article to be filed. Such blocks are usually provided with a series of grooves of dissimilar sizes which are adapted to hold the wires to be filed.

The object of my invention is to produce a cheap, substantial and simple filing block, which is adapted to be held firmly in a vise, which is provided with a slide plate capable of fine adjustment to enable it to hold wires of many sizes, which is adapted to form a very substantial support for a wire, which is also adapted to form a perfect support for holding any flat thin metal which is to be filed, which may also be used to advantage in filing squares, which is adapted for use as an anvil, which may also be used as a templet, and which in general forms a perfect tool for the purposes specified.

To these ends my invention consists of a filing block, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

Figure 1 is a perspective view of the filing block embodying my invention; and Fig. 2 is a detail front elevation of the slide plate and its means of adjustment.

The filing block 10 is made preferably of case hardened or hardened steel and has its top widened, as shown at 11, to offer a good bearing surface to enable it to be used as an anvil, templet, or bearing for any article which may be placed thereon to be filed, and on one side of the block is a face plate 12, which is removable and which is used for convenience so that the slide plate to be hereinafter described may be readily placed in position. The block may, however, be made of a single piece.

The lower end of the block and face plate is reduced, as shown at 13, so as to form should-

ders 14, and this reduced end is adapted to be placed in a vise on the jaws of which the shoulders 14 may rest. The block is on one side and at the upper end recessed, as shown at 15, the shoulders being made behind the face plate 12, and in this recess is held the slide plate 16 which is vertically adjustable and the length of which corresponds to the length of the recess 15 and to the width of the block. This slide plate 16 has a depending threaded shank 17, which passes through a nut 18 which has a milled edge to enable it to be easily turned, and the nut is held in the block and projects through a slot in the face plate 12, as shown clearly in Fig. 1, and thus the nut is held from moving vertically so that, when turned, the screw 17 moves vertically through it, the direction of the screw depending, of course, on which way the nut is turned.

The slide plate 16 may be drawn down into the recess 15, so that its upper edge is below the top 11 of the block 10, and in this way a groove is formed in which a wire or other article may be laid when it is to be filed, or, if desired, the plate may be moved upward so as to project above the top 11 in which case it forms an abutment against which any flat or round iron or other object may rest when the operator is filing it.

The plate 16 may be very nicely adjusted, and consequently it enables the tool to be used as a templet, in which case the plate is projected the desired distance above the top, and the article on the block is filed down level with the plate 16. When the block is used as an anvil, the plate 16 is of course moved downward so that it will not project above the surface of the block. In filing small squares, the slide plate 16 is drawn down into the recess 15, the article placed on the slide plate, and filed down level with the top of the block 11.

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

1. A filing block having a recess across its upper face; the said recess being open at both ends at the sides of the block and closed at front and rear and a vertically movable plate within the recess and adjustable above and below the plane of the upper face of the block, substantially as set forth.

2. A filing block having a flat upper anvil-
forming face provided with a transverse re-
cess across its upper side and open at both
ends at the sides of the block and closed on
5 front and rear, and a depending shouldered
vise-engaging portion below the slot, and a
plate mounted in the recess and adjustable
above and below the plane of the upper face
of said anvil portion, substantially as set forth.
10 3. The angular filing block having a trans-
verse groove across the upper face of its up-
per horizontal member and open at both ends,
a slotted removable face plate secured to the
outer vertical face of the block, and forming
15 the front wall of said recess, a vertical plate
working in said recess and provided with a
depending screw shank and a nut on the shank

and projecting through the slot in the face
plate, substantially as set forth.

4. A filing block having a slot or recess 20
across its upper face, open at its upper side
and at both ends and closed on its front and
rear sides, and a vertically adjustable rect-
angular plate placed vertically edgewise in
said recess to form an abutment when pro- 25
jected above the upper side of the plate and
when below said face to support a wire or other
article extending longitudinally through the
said recess, substantially as set forth.

EDWIN A. BRUSH.

Witnesses:

FRANK W. BECKWITH,
EDWIN T. FOSS.