G. KORINEK.

HOLDER FOR EMERY, OILSTONE, AND OTHER ABRADING MATERIALS.

APPLICATION FILED APR. 22, 1908.

900,938. Patented Oct. 13, 1908.

Fig. 1.

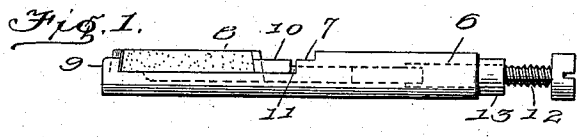


Fig. 2.

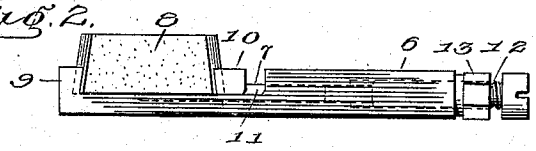


Fig. 3.

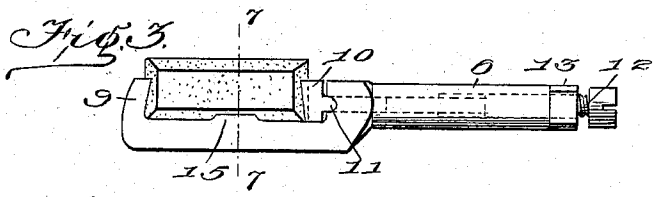


Fig. 4

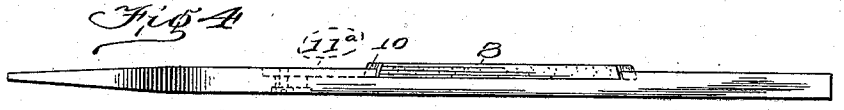


Fig. 5

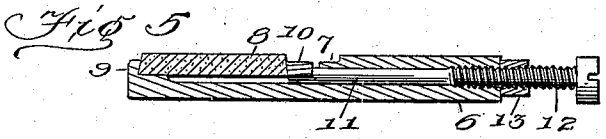


Fig. 6.

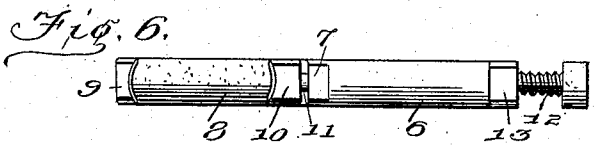


Fig. 8

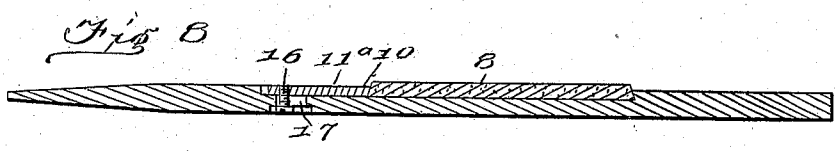


Fig. 7



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GUSTAV KORINEK, OF DETROIT, MICHIGAN.

HOLDER FOR EMERY, OILSTONE, AND OTHER ABRADING MATERIALS.

No. 900,938. Specification of Letters Patent. Patented Oct. 13, 1908.

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To all whom it may concern:

Be it known that I, GUSTAV KORINEK, a subject of the Emperor of Austria-Hungary, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Holders for Emery, Oilstone, and other Abrading Materials, of which the following is a specification.

This invention relates to holders for emery, oil stone and other abrading materials, and has for its object to provide holders in which such material may be held in such manner that small and delicate parts can be got at and operated on.

A holder or holders constructed according to the invention will be found particularly useful for filing down dies and parts of such machines as typewriters, adding machines and calculators, and other machines having a number of fine parts which are more or less difficult to get at and work on.

The invention is capable of being embodied in a variety of forms, some of which, for the purpose of illustration, are shown in the accompanying drawings.

In the drawings, Figures 1, 2, 3 and 4 are side views of different varieties of holders embodying the invention. Fig. 5 is a longitudinal section of the holder shown in Fig. 1, and Fig. 6 is a plan view of the same. Fig. 7 is a section on the line 7—7 of Fig. 3. Fig. 8 is a longitudinal section of the form shown in Fig. 4.

Referring specifically to the drawings, 6 indicates a bar of steel, which is milled out near one end, as indicated at 7, to form a seat for the piece of emery, oil stone, or the like indicated at 8. At one end of the seat a shoulder 9 is formed, and this is undercut. At the other end of the seat is a sliding jaw or block 10 which is also undercut where it engages the end of the stone, and this block has a stem 11 which extends lengthwise in a longitudinal bore in the bar 6. The bore extends into the end of the bar, and is threaded to receive a screw 12 which is adapted to bear against the inner end of the stem 11. The screw has a jam nut 13 thereon to hold the same as set.

The forms shown in Figs. 1 and 2 are substantially the same, except that one is somewhat larger than the other and in one the bar is round and in the other square. The form shown in Fig. 3 is especially adapted for holding a stone edgewise, so that a narrow beveled edge may be presented to the work. The jaws 9 and 10 which hold the stone are thus made deeper and are both undercut and grooved to grip the end of the stone and to hold it in upright or edgewise position. The seat is also grooved, as indicated at 15, and the inner edge of the stone rests in said groove and is so prevented from tilting or falling out.

In the form shown in Fig. 4 the movable jaw 10 has a stem 11^a which slides in an undercut groove in the face of the holder, the bar or stock of the holder being comparatively flat and wide. A set screw 16 extends into said stem, through a slot 17 on the under side, and by loosening the set screw the jaw may be moved in or out to an extent sufficient to grip or release the stone, and then fastened at adjustment by the screw.

The forms of the invention shown in Figs. 1, 2 and 3, have the characteristic that the longitudinal bore through the bar of the holder does not weaken the same; consequently considerable pressure may be exerted without danger of breaking the holder. The holder may be modified in various particulars with respect particularly to the size and shape.

I claim:

A holder for abrading material comprising a bar having a seat therein for the material, with a fixed jaw at one end of the seat and a longitudinal threaded bore at the other end of the seat, extending to the end of the bar, a sliding jaw in the seat, having a stem rigid therewith and slidable in said bore, and a screw extending into the bore and bearing against the end of the stem, to adjust the jaw.

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

GUSTAV KORINEK.

Witnesses:

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