G. B. FORD.

TOOL HOLDING DEVICE.

APPLICATION FILED MAR. 29, 1909.

935,361. Patented Sept. 28, 1909.

Fig. 1.

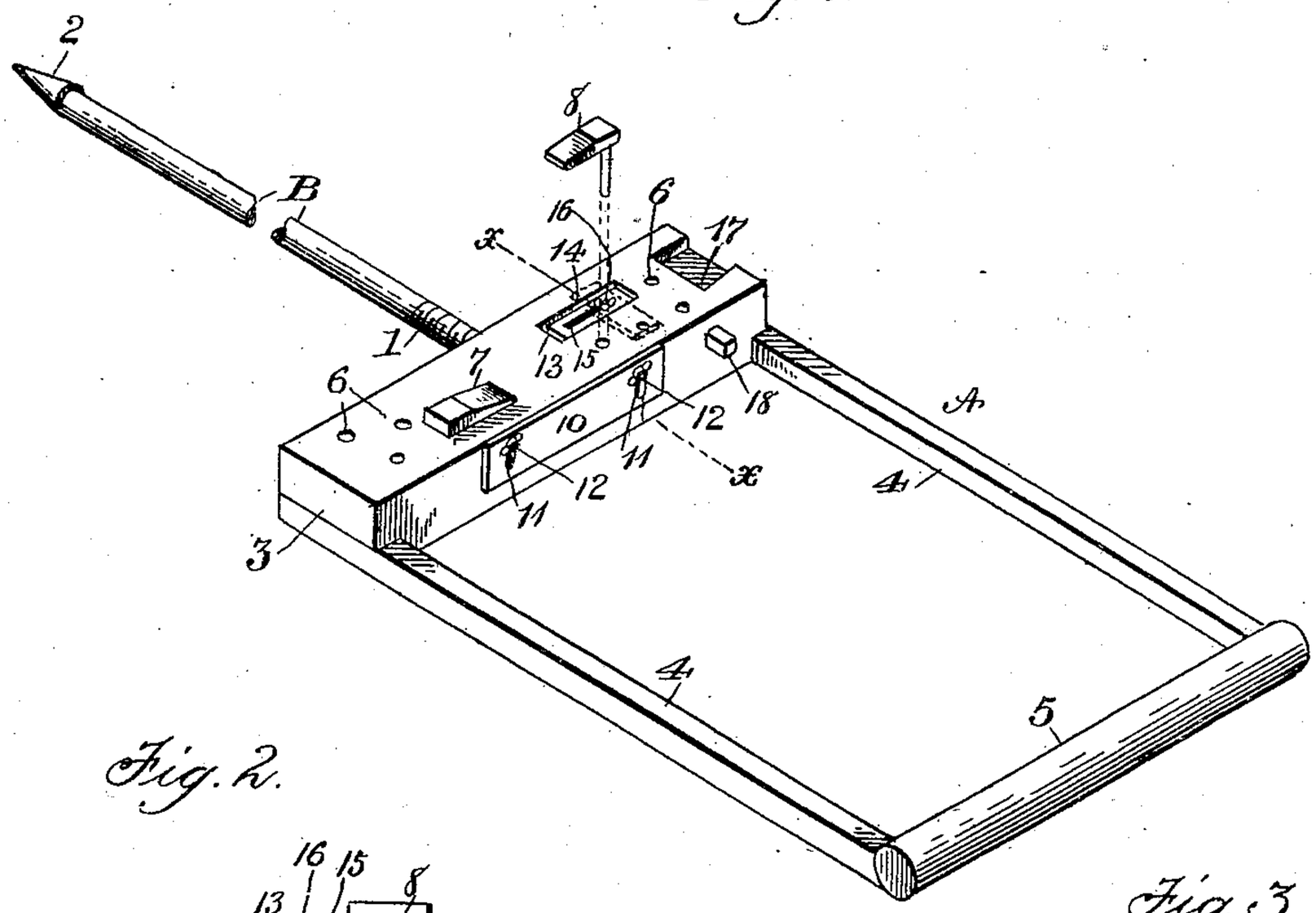


Fig. 2.

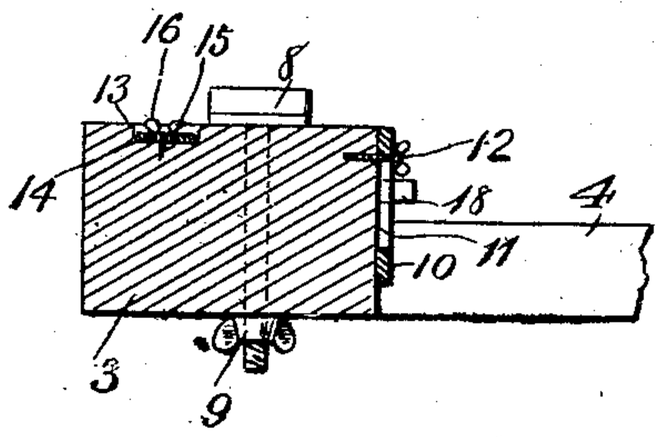
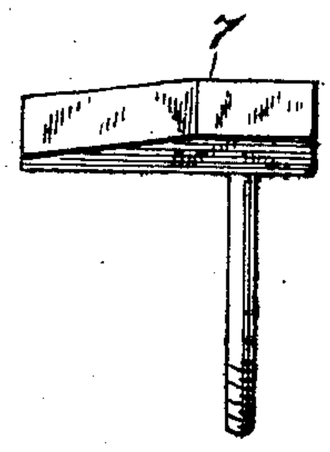


Fig. 3.



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GEORGE B. FORD, OF CAMBRIDGE, OHIO.

TOOL-HOLDING DEVICE.

935,361. Specification of Letters Patent. Patented Sept. 28, 1909.

Application filed March 29, 1909. Serial No. 486,534.

To all whom it may concern:

Be it known that I, GEORGE B. FORD, a citizen of the United States, residing at Cambridge, in the county of Guernsey and State of Ohio, have invented certain new and useful Improvements in Tool-Holding Devices, of which the following is a specification.

My invention relates to a new and useful improvement in tool holding devices, and has for its object to produce a simple and efficient device for holding a tool while being sharpened.

The invention consists of various details of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings—Figure 1 is a perspective view showing the bottom of the holder; Fig. 2 is a longitudinal sectional view on the line *x*—*x* of Fig. 1, and Fig. 3 is a detail of one of the clamps.

The holder comprises the frame A and the stem B. The stem B is provided with screw threads 1 at one end and is adapted to engage a screw threaded socket formed in the holder, and the opposite end of the stem is provided with a metal point 2, the purpose of which will be more fully hereinafter described. The frame A comprises a head 3, the two side members 4 secured to the head member and the handle 5, which is secured to the two side members, as clearly shown in the drawings. The head member 3 is provided with a plurality of perforations 6 extending vertically therethrough, and these perforations are adapted to receive the shanks of the clamp members 7 and 8. The shanks are screw threaded as shown and are held within the perforations by means of thumb nuts 9. The clamp, 7, is preferably of a different size than the clamp 8 whereby various types of tools may be clamped. It can be seen that the shanks of the clamps may be passed through any of the perforations in order to clamp various sizes and shapes of tools. Secured to the inner side of the head member is the plate 10, which is provided with the vertical slots 11, through which pass the screw threaded thumb screws 12 by means of which the plate may be held in any adjusted position.

A longitudinal groove is cut in the head member as shown at 13 and is adapted to receive a plate 14 provided with the longitudinal slot 15 through which passes the thumb screw 16 by means of which the plate may be adjusted, the purpose of which will be more fully hereinafter described. A notch 17 is formed in one end of the head piece and on the side of the head piece is a peg 18.

Having described the various details of my improved holder it will be seen that I have provided means whereby I may sharpen any number of devices, such as butcher knives, chisels, plane bits, cleaves, hatchets, sheep shears, axes, and various other tools too numerous to enumerate, and this holder is also especially advantageous in sharpening the section knives of mowing machines. When it is desired to secure a tool to be sharpened to the holder the same is placed against the head piece and securely held by means of either or both of the clamps 7 and 8, these clamps, as before stated, being adapted to be placed in any of the perforations in the head piece. When it is desired to sharpen scissors or shears one of the blades is placed in the notch 17, and the other blade engages the peg 18 whereby it is held out of the way and will not contact with the grindstone or other sharpening means. While sharpening scissors or shears the plate 14, which normally rests within the groove 13, is turned into position shown in dotted lines of Fig. 1, and in this way engages the blade which passes through the notch in the end of the head piece, and prevents the same from being displaced when sharpening. When it is desired to sharpen the section knives of mowing machines the same are placed upon the head piece and the clamps are positioned so as to overlie the same and the plate member 10 is raised so as to project above the surface of the head piece and this will prevent the section knife from dropping out or being accidentally displaced from beneath the clamping members. When sharpening these section knives it is preferred that the clamps be held a sufficient distance from the same in order that the knife may be freely moved to sharpen the entire surface thereof and for this purpose I preferably insert washers or other suitable spacing members between the head member and the heads of the clamps. These washers are of such a thickness that they will just allow the blade to move beneath the clamps.

The stem B acts as a brace while sharpening the tools and the metal point 2 engages a post, building, or other suitable object. In the drawings I have shown the bottom

of the holder, and it will be understood that when sharpening the tools over a grindstone or the like that the holder will be in a reversed position than that shown in the drawings.

It is evident that more or less slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A tool holding device comprising a head member and handle, the head member being provided with a plurality of perforations, clamps for securing the tools in position, said clamps provided with stems adapted to pass through any of the perforations whereby the clamps may be adjusted on the head and means connected to the head member for supporting it during the operation upon the tools supported thereon.

2. A tool holding device comprising a head member and handle, the head member being provided with a plurality of perforations, clamping members passing through the perforations, and an adjustable plate secured to the side of the head member.

3. A tool holding device comprising a head member and handle, a screw threaded socket within the head member for receiving a stem, the head member being provided with perforations for receiving clamps, an adjustable plate provided with vertical slots secured to the side of the head member, and means for holding said plate in its adjusted position.

4. A tool holding device comprising a head member and handle, the head member being provided with perforations adapted to receive clamping members and a groove, a plate within the groove, and means for adjusting the position of the plate.

5. A tool holding device comprising a head member and handle, clamping means upon the head member, means on the head member for receiving the blades of shears consisting of a notch, and a peg extending from the side of said head member.

6. A tool holding device comprising a head member and handle, a screw threaded socket formed in the head member and adapted to receive a screw threaded stem, the head member provided with a plurality of perforations, clamps upon the head member, an adjustable plate secured to the head member, a plate adapted to be received in a longitudinal groove formed in the head member, means for receiving the blades of shears consisting of a notch at one end of said head member, and a peg extending from the side of the head member.

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

GEORGE B. FORD.

Witnesses:

OSCAR V. WELLS,

S. C. CARNES.