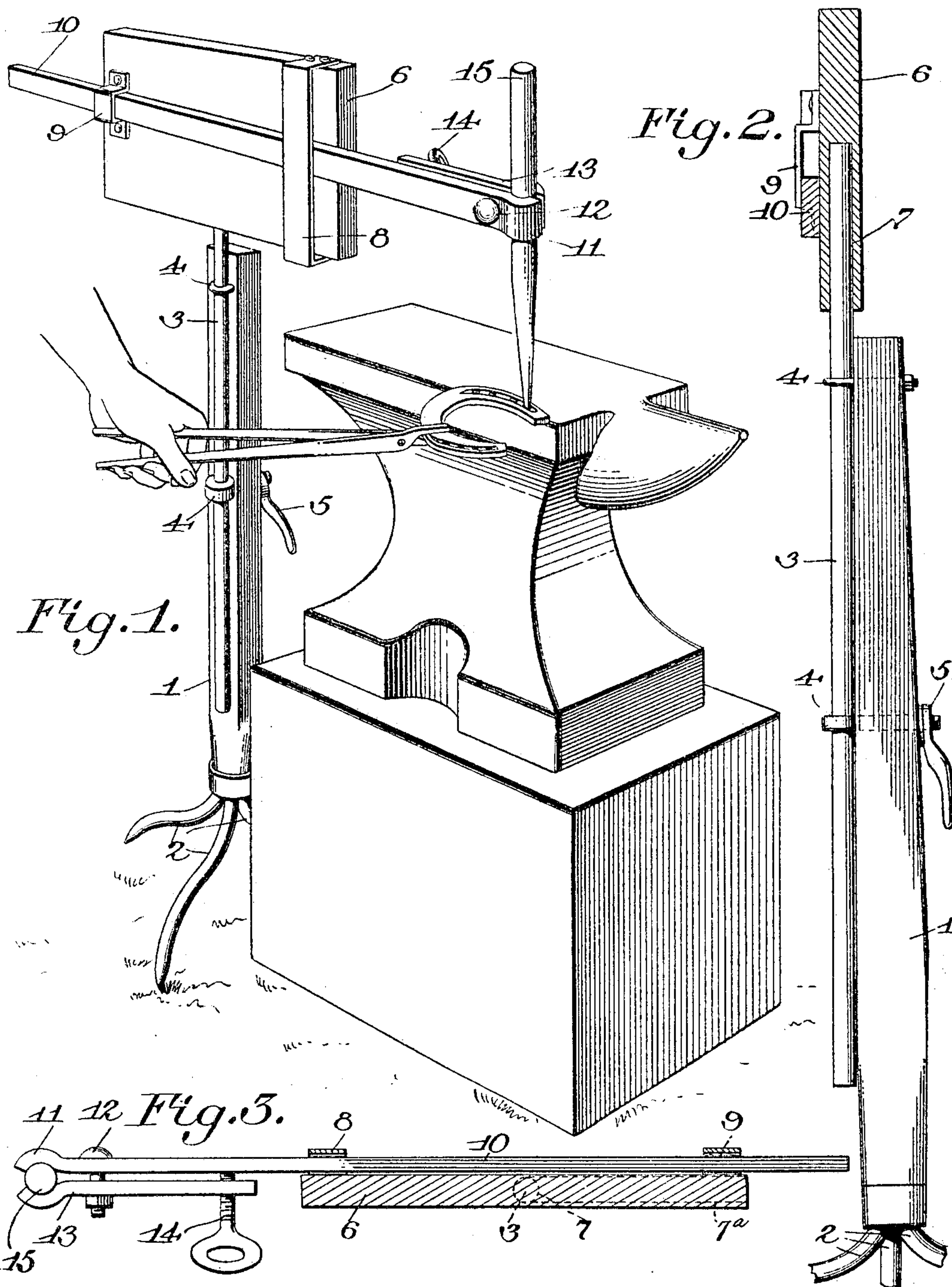


No. 798,751.

PATENTED SEPT. 5, 1905.

P. E. SKILLIN.
TOOL GUIDE AND HOLDER.
APPLICATION FILED JUNE 21, 1904.



Witnesses

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PEARL E. SKILLIN, OF DEXTER, MAINE.

TOOL GUIDE AND HOLDER.

No. 798,751.

Specification of Letters Patent.

Patented Sept. 5, 1905.

Application filed June 21, 1904. Serial No. 213,566.

To all whom it may concern:

Be it known that I, PEARL E. SKILLIN, a citizen of the United States, residing at Dexter, in the county of Penobscot and State of Maine, have invented a new and useful Tool Guide and Holder, of which the following is a specification.

This invention relates to tool guides and holders, and is adapted to the use of artisans—such as blacksmiths, locksmiths, gold and gem workers, plumbers, and others—for the purpose of holding and guiding a tool, such as a punch or chisel, which often requires to be held in position for operation by a helper, the object of the invention being to dispense with the services of the helper by enabling such tool to be quickly and accurately adjusted and held by the artisan himself.

The invention consists in the improved construction and novel arrangement and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings has been illustrated a simple and preferred form of embodiment of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that the right is reserved to any changes, alterations, and modifications which come fairly within the scope of the invention and which may be resorted to without departing from the spirit or sacrificing the efficiency of the same.

In said drawings, Figure 1 is a perspective view of a simple and preferred form of embodiment of the invention. Fig. 2 is a horizontal sectional view taken through the tool-carrying head. Fig. 3 is a vertical sectional view.

Corresponding parts in the several figures are indicated by similar characters of reference.

An upright 1, supported upon a base or feet 2, is provided with guides for a vertically-movable sliding rod 3, one of said guides 4 being an eyebolt for extending transversely through the uprights and provided with a wing-nut 5, whereby it may be tightened, so as to sustain the rod 3 at any desired elevation.

6 designates a head mounted rotatably upon the upper end of the vertically-adjustable rod 3 and consisting of a rectangular plate provided in its lower edge with a recess or socket 7 for the accommodation of the upper end of

the rod 3, upon which it rotates. One side of the plate or head 6 is provided at one end thereof with a loop 8, extending practically from its upper to its lower edge. The opposite end of the plate or head 6 is provided with a narrow loop 9, disposed intermediately between the upper and lower edges of said plates. The loops 8 and 9 accommodate a bar 10, the outer end of which is rounded to form a clamping-jaw 11. Secured to the bar 10 by means of a bolt 12 is an auxiliary clamping-jaw 13, carrying at its inner end a set-screw 14, adapted to bear against the proximate side of the bar 10, thus forcing the free ends of the clamping-jaws 11 and 13 in the direction of each other, thereby adapting them to hold very securely any suitable tool—such as, for instance, a punch 15—seated between said jaws. Adjustment of the latter to hold tools of different diameters may be had by means of the bolt 12, the set-screw 14 being employed only for the purpose of tightening and clamping the jaws upon the tool that is to be employed.

In practice this improved device is placed adjacent to the anvil, the legs or supporting members 2 being preferably sufficiently heavy to so support the device as to prevent it from toppling over. The proper tool having been inserted between the clamping-jaws, said tool may be readily adjusted in any desired position with relation to the anvil, vertical adjustment being had by means of the rod 3 and radial adjustment upon the latter by means of the bar 10, which is slidably supported in the loops 8 and 9. Swinging adjustment will be had by the head 6 being mounted rotatably upon the rod 3, and vertical adjustment to compensate for the thickness of the material that is to be operated upon will be had by the bar 10, the end of which nearest the anvil is free to move vertically within the confines of the loop 8, the loop 9 being merely of sufficient size to permit the bar 10 to be tilted therein. Thus, for instance, when it is desired to strike the nail-holes in a horseshoe the proper punch is adjusted between the clamping-jaws and the device is set in proper proximity to the anvil, when the blacksmith may very easily adjust the tool until it rests in the desired position upon the horseshoe which is being held upon the anvil by the tongs grasped by the left hand of the operator, whose right hand will then be free to wield the hammer in the usual manner.

The socket 7 in the head 6 may when de-

sired be supplemented by an auxiliary socket 7^a, formed at right angles thereto and adapted to engage the upper end of the adjustable rod 3, thus enabling the device to be utilized in an approximately vertical position, as will be readily understood.

Having thus described my invention, what is claimed is—

1. A head mounted for rotation, loops of unequal length disposed vertically upon said head, and a tool-carrying arm mounted in said loops and capable of moving in a vertical plane in the longer loop.

2. A head mounted for rotation, loops of unequal length disposed vertically upon said head, and a tool-carrying arm mounted in said loops and capable of moving in a vertical plane in the longer loop; said head being provided with a plurality of support-engaging sockets.

3. A tool-carrying arm, and a pair of ver-

tical loops of unequal length supporting said arm, the end of the latter being adjustable in a vertical plane within the longer loop and the entire arm being adjustable longitudinally in said loops.

4. An upright, supporting means for the same, a rod connected with said upright for vertical adjustment, clamping means for said rod, a head mounted to rotate upon the latter, and a tool-carrying slide supported by said head and having one end free for vertical adjustment.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

PEARL E. SKILLIN.

Witnesses:

F. D. DEARTH,

RALPH C. BLETHEN.