

(No Model.)

C. SMITH.
WATCHMAKER'S TOOL.

No. 484,680.

Patented Oct. 18, 1892.

Fig. 1.

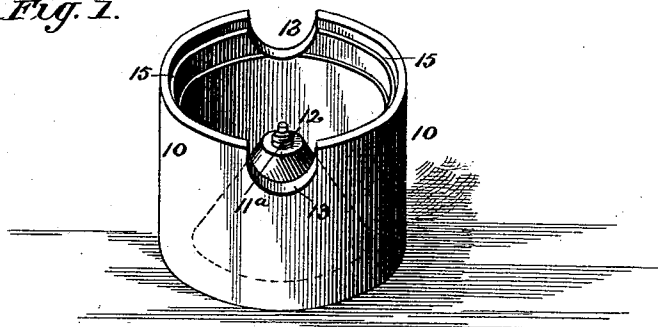


Fig. 2.

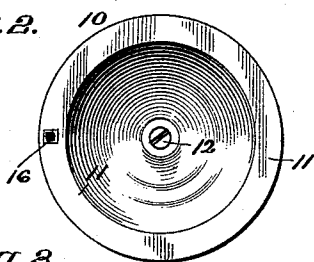


Fig. 3.

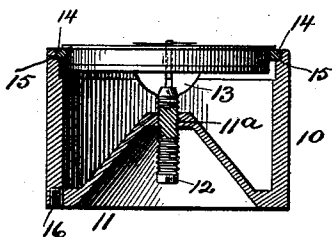


Fig. 4.

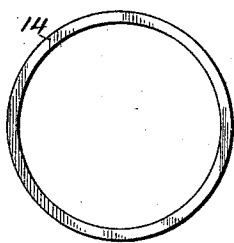
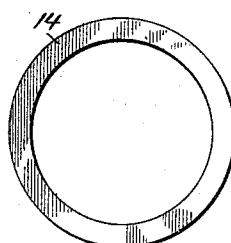


Fig. 5.



WITNESSES:

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CHARLES SMITH, OF MOUNT CARMEL, ILLINOIS.

WATCHMAKER'S TOOL.

SPECIFICATION forming part of Letters Patent No. 484,680, dated October 18, 1892.

Application filed March 15, 1892. Serial No. 425,046. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SMITH, of Mount Carmel, in the county of Wabash and State of Illinois, have invented a new and useful Improvement in Watch-Movement Holders, of which the following is a specification.

This invention relates generally to watch-movement holders, and particularly to one for holding the movement while securing the hands to the center-post.

The object of my invention is to provide a solid anvil-support for the center-post, by means of which the hands can be securely riveted to said post without danger of breaking the center jewel, and a further object of my invention is to provide means for holding movements of various sizes.

With these objects in view my invention consists in the peculiar construction of the several parts and their novel combination or arrangement, all of which will be fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of my improved holder. Fig. 2 is a bottom plan view. Fig. 3 is a vertical cross-section, and Figs. 4 and 5 are detail views of the spacing-rings.

In carrying out my invention I employ a circular box or case 10, which receives the movement and supports the same upon its upper edges. The bottom 11 of the box or case 10 is arranged above the lower edges of the sides, said bottom having a central threaded aperture 11^a, in which works the adjustable screw 12, the upper end of which is flattened to provide a solid anvil-support for the center-post during the operation of riveting the hands to the same.

I have shown and in practice prefer to make the bottom 11 conical in shape and pass the screw through the apex of the same, thus providing a sufficient seat for the screw, and also ample room for its adjustment; but other constructions by which the bottom is elevated within the box would answer equally as well. To permit the movement being quickly and easily removed from the holder, I produce the

notches 13 13 in the sides of the holder at diametrically-opposite points and through which the thumb and finger may be inserted to grasp the movement and remove the same.

The box or case is constructed to receive the largest-sized movement, and in order to hold the smaller sizes I provide a series of spacing-rings 14, which fit within the box or case flush with the top of the same, the inner sides of the box being rabbeted, as at 15, to provide supports for said rings. The inner diameters of these rings vary according to the size of movement to be held, and by removing one ring and inserting another any size movement can be securely held. The notches 13 are also useful in this connection for the purpose of removing the rings. A key 16 is inserted in the lower edge of the box, said key being used in adjusting the stop mechanism. For this purpose the movement rests upon the holder and the arbor of the main wheel inserted in the key. The wheel is then moved in either direction to regulate the tension of the spring and after being adjusted is held in such position with the left hand while the stop mechanism is easily adjusted with the right.

In operation the movement is inserted in the box or case and the screw adjusted vertically by turning from beneath until the flat anvil-face contacts with the lower end of center-post and forms a solid support for said post. The hands are now placed upon the upper end of the post and securely riveted, and as the center-post has a solid anvil-support all danger of breaking the center jewel is removed.

The box is constructed to accommodate a No. 18 movement, and should it be desired to place a No. 16 or No. 14 movement therein a spacing-ring of the requisite diameter is inserted in the box and the movement inserted within this ring. These rings are made for all sizes and are readily attachable and detachable from the box.

Having thus described my invention, what I claim as new is—

1. The combination, with a box or case hav-

ing rabbeted edges, of the rings adapted to fit said box and rest upon said edges and the adjustable screw passing through the bottom of said box, substantially as shown and described.

5 2. The combination, with a box having rabbeted edges, of the elevated bottom having a central threaded aperture, and the adjustable screw having an anvil-face and the spacing-
10 ring adapted to fit the box and rest upon the

rabbeted edge, substantially as shown and described.

3. As an improved article of manufacture, a movement-holder having a key in the lower edge of the same, substantially as and for the
15 purpose described.

CHARLES SMITH.

Witnesses:

ROBERT BELL,
WM. F. CHIPMAN.