Oct. 28, 1941. I. J. DULANEY 2,261,055

WATCH MOVEMENT HOLDER

Filed July 30, 1940

Fig. 1.

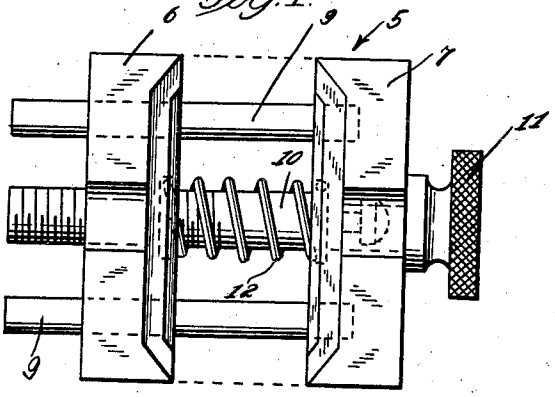


Fig. 5.

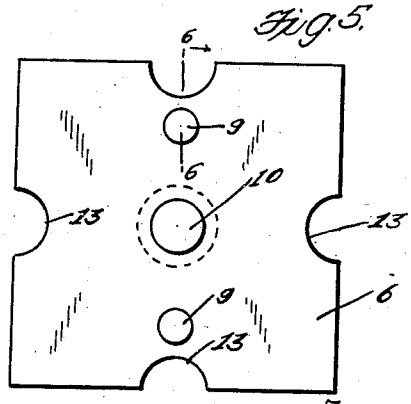
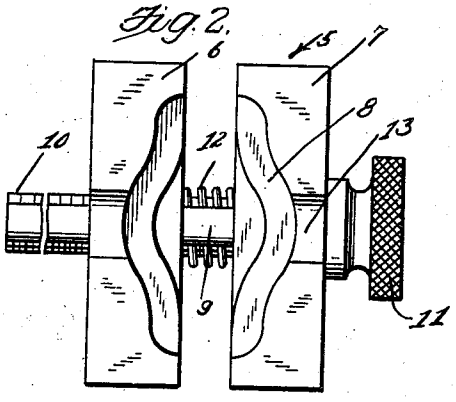


Fig. 2.



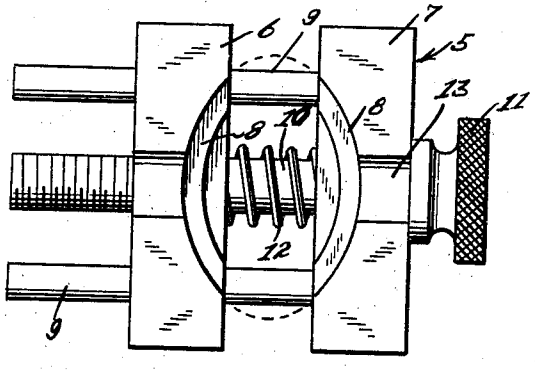


Fig. 3.

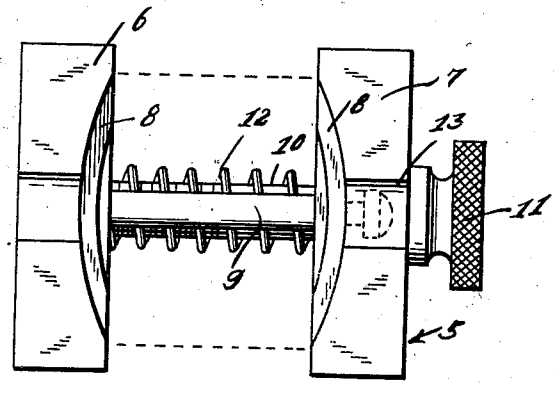


Fig. 4.

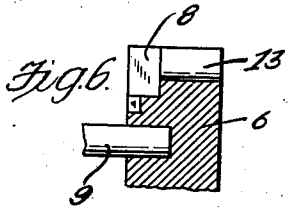


Fig. 6.

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UNITED STATES PATENT OFFICE

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WATCH MOVEMENT HOLDER

Ira J. Dulaney, Redding, Calif.

Application July 30, 1940, Serial No. 348,599

1 Claim. (Cl. 81—6)

This invention relates to a watch movement holder, and has for the primary object the provision of an efficient and inexpensive device of this character for supporting a watch movement when removed from its case and which is in the form of a portable adjustable vise or clamp which will readily rest on any flat surface and is capable of accommodating various sizes and shapes of watch movements now in use with either the face up or the face down and with the balance bridge and balance wheel removed to permit certain repairs and adjustments to be conveniently carried out on the watch movement and also makes provision for the accommodation of the watch movement winder, thus allowing the watch movement to be wound to any degree for testing without removing the watch movement from the device.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a side elevation illustrating a watch movement holder constructed in accordance with my invention.

Figure 2 is a view similar to Figure 1 showing another side of the holder.

Figure 3 is a view similar to Figures 1 and 2 illustrating still another side of the holder.

Figure 4 is a view similar to Figures 1, 2 and 3 showing the device fully adjusted to accommodate a maximum size watch movement.

Figure 5 is an end view illustrating the device.

Figure 6 is a detail sectional view taken on the line 6—6 of Figure 5.

Referring in detail to the drawing, the numeral 5 indicates as an entirety a holder especially devised for the support of watch movements of different sizes and shapes when removed from their cases so that the watch movement can be conveniently repaired and adjusted and without danger of dropping the watch movement and creating damage thereto.

The holder consists primarily of companion blocks 6 and 7 each of rectangular shape and have formed in the faces thereof channels or grooves 8 varying in shapes for the purpose of providing seats capable of accommodating watch movements of different shapes. It is to be understood that the grooves or seats 8 correspond in companion faces of the blocks as suggested in Figures 1, 2, 3 and 4 of the drawing. The blocks 6 and 7 are arranged in opposed relation and guide pins 9 are secured to the block 7 and slide freely through openings provided in the block 6. An adjusting stem 10 is journaled in the block 7 and is provided at one end with a finger piece 11. The adjusting stem 10 is threaded in the block 6 and interposed between said blocks and mounted on the adjusting stem is a coil spring 12 bearing against the opposed faces of the blocks 6 and 7.

By rotating the finger piece 11 in one direction, the blocks 6 and 7 will be caused to move apart and by rotating the finger piece in an opposite direction the blocks 6 and 7 will be drawn together. This arrangement permits the clamping in the seats of the blocks watch movements of different sizes with either the faces disposed downwardly or upwardly and with the balance bridges as well as the balance wheels removed so that various adjustments and repairs may be easily and successfully carried out on the watch movements.

The blocks 6 and 7 in their work-engaging faces are provided with notches 13 which communicate with the seats or grooves 8 to receive the winding stem of the watch movement when seated in the grooves 8 so that the stem can be conveniently operated for the purpose of winding the watch movement to different degrees for test purposes.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made provided they do not depart from the scope of the invention as claimed.

Having thus described the invention, what I claim is:

A watch movement holder comprising a pair of rectangular companion opposed blocks, a shaft journaled in one of said blocks and screw-threaded through the other of said blocks, a coiled spring arranged on said shaft between said blocks, said spring normally acting to urge said blocks apart, a knob secured to said shaft at its end opposite the screw-threaded end, whereby said blocks may be separated or drawn together by rotation of said screw, and a pair of guide pins firmly secured in one of said blocks and slidable through the other of said blocks, said blocks having their outer peripheral faces notched to receive a watch movement, said notches being of irregular shape and extending through the inner and outer plane faces of said blocks, said blocks having the notches in each of the opposed faces matching.

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