G. E. HUNTER.

SHIPPING BOX FOR WATCH MOVEMENTS.

APPLICATION FILED JUNE 27, 1917.

1,331,263. Patented Feb. 17, 1920.

Fig. 1.

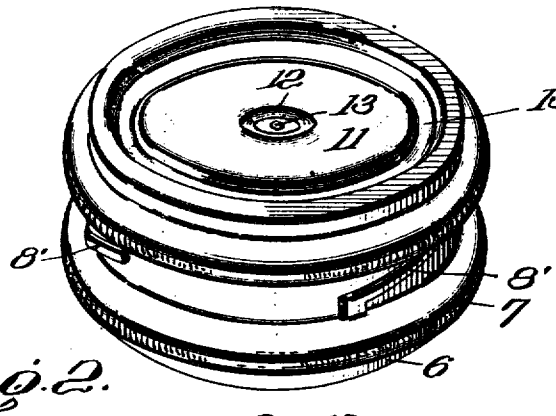


Fig. 2.

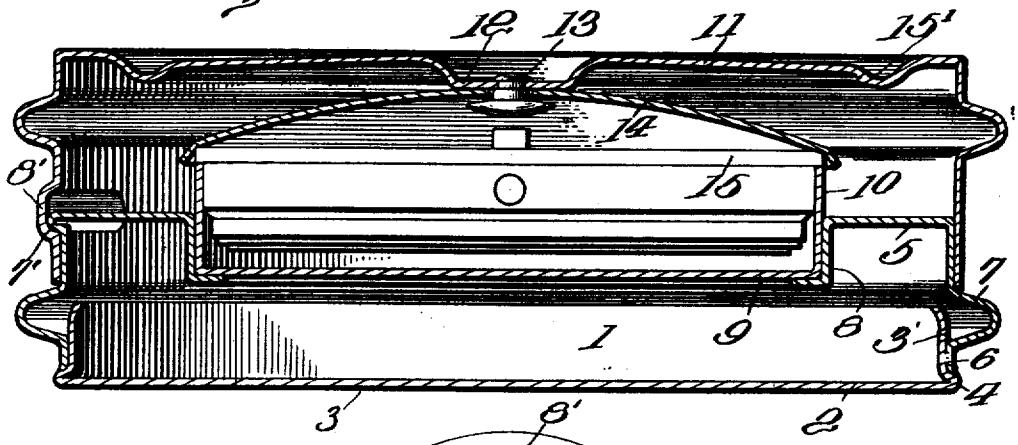
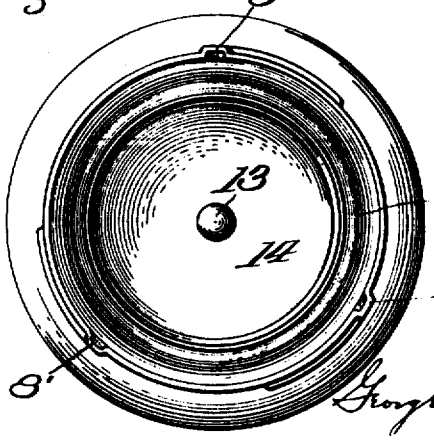


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE E. HUNTER, OF ELGIN, ILLINOIS, ASSIGNOR TO ELGIN NATIONAL WATCH COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SHIPPING-BOX FOR WATCH-MOVEMENTS.

1,331,263. Specification of Letters Patent. Patented Feb. 17, 1920.

Application filed June 27, 1917. Serial No. 177,246.

To all whom it may concern:

Be it known that I, GEORGE E. HUNTER, a citizen of the United States, residing at Elgin, in the county of Kane, State of Illinois, have invented certain new and useful Improvements in Shipping-Boxes for Watch-Movements, of which the following is a description, reference being had to the accompanying drawing and to the figures of reference marked thereon.

My invention relates to improvements in shipping boxes for watch movements.

The object of my invention is to provide a shipping box of this character in which the cover thereof acts as a spring on the dial cover for holding the watch movement in place in its inner receptacle, said dial cover being of a plain solid surface makes it easily cleaned and also makes the inner receptacle practically dust proof.

Another object of my invention is to provide a simple and effective box in which watch movements of different sizes are firmly held, and having certain details of structure and combination of parts hereinafter more fully set forth.

In the accompanying drawings,—

Figure 1 is a perspective view of my improved shipping box;

Fig. 2 is a vertical transverse sectional view of my improved shipping box; and

Fig. 3 is a bottom plan view of the box cover.

Referring now to the drawings, 1 represents the body of the box and comprises a lower section 2 having a flat bottom 3 and an upwardly extending flange 3′ drawn inwardly forming a beading 4. A second section 5 forms a portion of the body and is of inverted saucer shape, having the downwardly extending flange 6 tightly fitting the flange 3 and engaging the beading 4, as shown in Fig. 2 of the drawings. The flange 6 intermediate its upper and lower end is provided with an outwardly bulged portion 7 forming a stop for the cover, as will be hereinafter more fully described. The section 5 has at its center the circular downwardly depressed portion 8, which is approximately the diameter of the watch movements. Fitting tightly within the depressed portion 8 is a cup shaped member 9, the upper edge of which extends above the upper face of the section 5, and forms the flange 10 above the same and this cup-shaped member 9 forming the receptacle for the watch works, with the dial resting upon the upper edge of the flange 10.

The cover 11 comprises an inverted cup-shaped member of a diameter to snugly fit the outer face of the section 5 and having its downward movement limited by the engagement of its lower edge with the bulged portion 7. The section 5 has a number of outwardly pressed portions 7′ which are adapted to enter bayonet grooves 8′ in the lower edge of the cover and whereby the cover is tightly and removably held upon the body of the box.

The cover is provided with a central depressed portion 12 in which is secured a rivet 13 upon which is loosely mounted a disk 14, which is slightly cupped and of a diameter greater than the member 9 and is adapted to firmly engage the outer edge of the watch dial 15, as clearly shown in Fig. 2 of the drawings. This disk 14 is made of thin flexible metal whereby it tightly fits the dial and forms a cover therefor and also allows ample room for the hands of the watch movement. The cover is also made of thin flexible metal and forms a spring for causing the disk to snugly engage the edge of the dial and prevent any dust from entering the watch works which might have found its way between the cover and body of the box.

As shown in Fig. 2 a corrugation 15′, is arranged around the top of the cover and the metal between said corrugation and the downwardly depressed central portion forming the spring action disk. By increasing the size of said corrugation or the number thereof, springing action of the cover between the same and the central depressed portion is increased or adjusted to suit movements of different sizes.

Applicant is aware that it is not new to hold a watch movement in a box by the cover but by providing a smooth solid disk, the same can be readily cleansed and it also serves the two fold function, first of holding the movement in position in the receptacle and second, of forming a cover for the movement to prevent any dust from entering the same, which might possibly work its way into the box between the cover and the body of the box.

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

A watch movement box, comprising a body portion having a watch movement seat, a cover for said body portion and having a flexible top and a corrugation for varying the flexibility of said top, and a disk secured at its center to said top and adapted to cover the dial and tightly engage the edge thereof and hold the watch movement on the seat.

In testimony whereof, I affix my signature.

GEORGE E. HUNTER.