

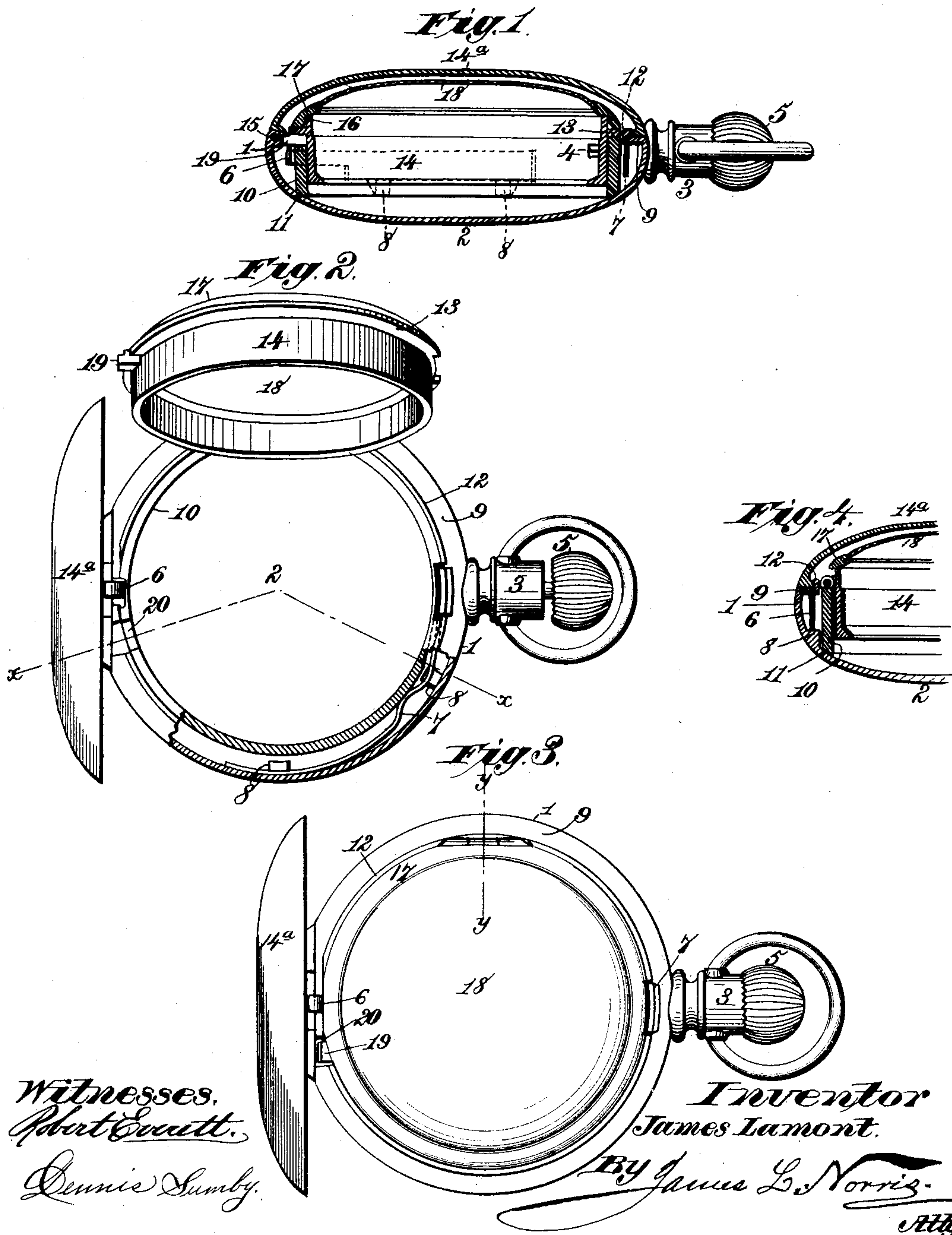
(No Model.)

J. LAMONT.

WATCH CASE.

No. 330,717.

Patented Nov. 17, 1885.



UNITED STATES PATENT OFFICE.

JAMES LAMONT, OF SAG HARBOR, NEW YORK, ASSIGNOR TO THE FAHYS
WATCH CASE COMPANY, OF SAME PLACE.

WATCH-CASE.

SPECIFICATION forming part of Letters Patent No. 330,717, dated November 17, 1885.

Application filed August 25, 1885. Serial No. 175,315. (No model.)

To all whom it may concern:

Be it known that I, JAMES LAMONT, a citizen of the United States, residing at Sag Harbor, in the county of Suffolk and State of New York, have invented new and useful Improvements in Watch-Cases, of which the following is a specification.

This invention relates to hunting-case, stem-winding watches, in which the movement is hinged within the case, to swing therefrom when the cap or cover of the case is opened.

The objects of my invention are to provide novel means for preventing the access of any dust to the movement that may enter through the opening of the stem or through other places where dust may enter; to provide novel means for hinging the movement independent of the case-center, so that it is possible to disconnect the movement without disjoining its hinge; to provide novel means for preventing the movement from rising or falling or otherwise moving in the watch-case when the cap or cover is closed, and to provide the watch-case with a hinged movement-holding ring carrying a crystal-holding bezel.

The objects of my invention I accomplish in the manner and by the means hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a sectional view taken on the line *xx* of Fig. 2; Fig. 2, a plan view, partly in section, showing the cap or cover and the movement-holding ring turned to their open positions; Fig. 3, a view similar to Fig. 2, showing the movement-holding ring in its closed position and the cap or cover in its open position; and Fig. 4 a sectional view taken on the line *yy* of Fig. 3.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, where the numeral 1 indicates the case-center, and 2 the back of the watch, which parts are struck or spun up in one piece of silver or other metal, the case-center being provided with the rigidly-attached pendant, 3, containing the longitudinally sliding and rotating stem 4, carrying the crown 5. The case-center is annularly channeled to receive the

case-springs 6 and 7, and for the purpose of securing these springs in position, to produce the requisite torsional action, the case-center is formed with lateral ledges, 8, having flat upper sides, upon which the lower horizontal edges of the springs rest and by which the upper horizontal edges of the springs are held against the inner surface of the inwardly-projecting horizontal flange 9 of the case-center. There are two of the ledges for each spring, as is clearly shown by dotted lines, Fig. 1, and by full lines, Fig. 2, but, obviously, there may be more than two for each spring. In the case-center is detachably placed an annular dust-band, 10, having vertical parallel sides, and provided at its inner edge with an annular beveled edge, 11, which is seated, dust-tight, directly against the inside of the back of the case, said band terminating below the top annular edge of the vertical rim 12, which rises from the horizontal flange 9 of the case, for the purpose of constituting an annular seat to receive the surrounding flange 13 of the movement-holding ring 14. The vertical rim 12 is formed with a snap to receive the cap or cover 14^a, which is hinged at 15 to the case-center, while the movement-holding ring is formed with a snap, 16, above its annular flange 13, to engage the bezel 17, that carries the crystal 18. The movement-holding ring is hinged to the removable dust-band 10, preferably at right angles to the hinge of the cap or cover, so that the ring with its crystal and bezel can be turned out of the dust-band whenever occasion requires, while the movement can be removed, together with the dust-band, from the case-center, whenever occasion demands, without disjoining the hinge of the movement-ring, this result being permitted by hinging the ring to the detachable dust-band. The dust-band, by having an annular beveled edge bearing directly against the case-back, provides a dust-tight joint at such point, and thereby effectually prevents the access of dust from the case-spring channel to the movement. The stem 4 passes through small orifices in the dust-band and movement and serves to lock them in place when pushed inward, as in Figs. 1 and 3, while, if the stem be drawn out, as in

Fig. 2, the movement-ring can be swung open and, if desired, the dust-band removed. The movement-ring is provided with a rigidly-attached lug, 19, adapted to enter recesses 20, 5 formed in the upper edge of the dust-band and the vertical rim of the case adjacent to the hinge of the cap or cover, in such manner that the cap or cover when closed will bear by its edge upon the said lug and thereby hold the 10 movement-ring very securely in place, for the purpose of preventing the movement-ring from rising and falling or otherwise moving in the case-center.

It will be seen that the vertical outer side 15 of the dust-band fits the case-center closely and that the vertical inner side of the band closely fits the movement-ring, the whole contributing to the perfect exclusion of dust from the movement. It will also be seen that the 20 dust-band serves to retain the case-springs in their proper position in the case-center.

Having thus described my invention, what I claim is—

1. A watch-case consisting of the case-center, 25 the back, the hinged cap or cover, the detachable dust-band having parallel inner and outer faces and an inner beveled edge bearing against the back of the case, the movement-holding ring hinged to the dust-band and removable therewith, and the sliding stem for 30 locking the movement-ring and dust-band, substantially as described.

2. A watch-case consisting of the cap or 35 cover, the back, the case-center having a vertical rim formed as a snap, the detachable dust-band having its outer edge terminated below the top edge of the said rim and provided with the annular beveled edge bearing

directly against the case-back, the movement-ring having an annular flange seated on the 40 band and provided with an attached crystal-holding bezel, said ring hinged to the band and closely fitting the inner surface of the latter, substantially as described.

3. A watch-case consisting of the cap or 45 cover, the case-center, the back, the dust-band having its annular inner edge bearing directly against the case-back, and the movement-holding ring hinged to the dust-band and having a lateral lug which is acted on by the edge of the 50 hinged cap or cover to prevent movement of the ring in the case-center, substantially as described.

4. The combination, in a hunting-case watch, 55 of the recessed case-center and the movement-ring having a lug entering the recess in the case-center and acted on by the cap or cover when closed to prevent movement of the ring in the case-center, substantially as described.

5. The combination, in a hunting-case watch, 60 of the recessed case-center having a pendant, a recessed dust-band having its inner end bearing directly against the case-back, the movement-ring hinged to said band and having a lug entering the recesses in the case-center 65 and dust-band and acted on by the hinged cover of the case, and the sliding stem in the pendant extending through the band and ring, substantially as described.

In testimony whereof I have affixed my sig- 70 nature in presence of two witnesses.

JAMES LAMONT.

Witnesses:

FRANK THAYER,
O. C. HATCH.