

(No Model.)

D. O'HARA.
WATCH CASE.

No. 313,360.

Patented Mar. 3, 1885.

Fig. 1.

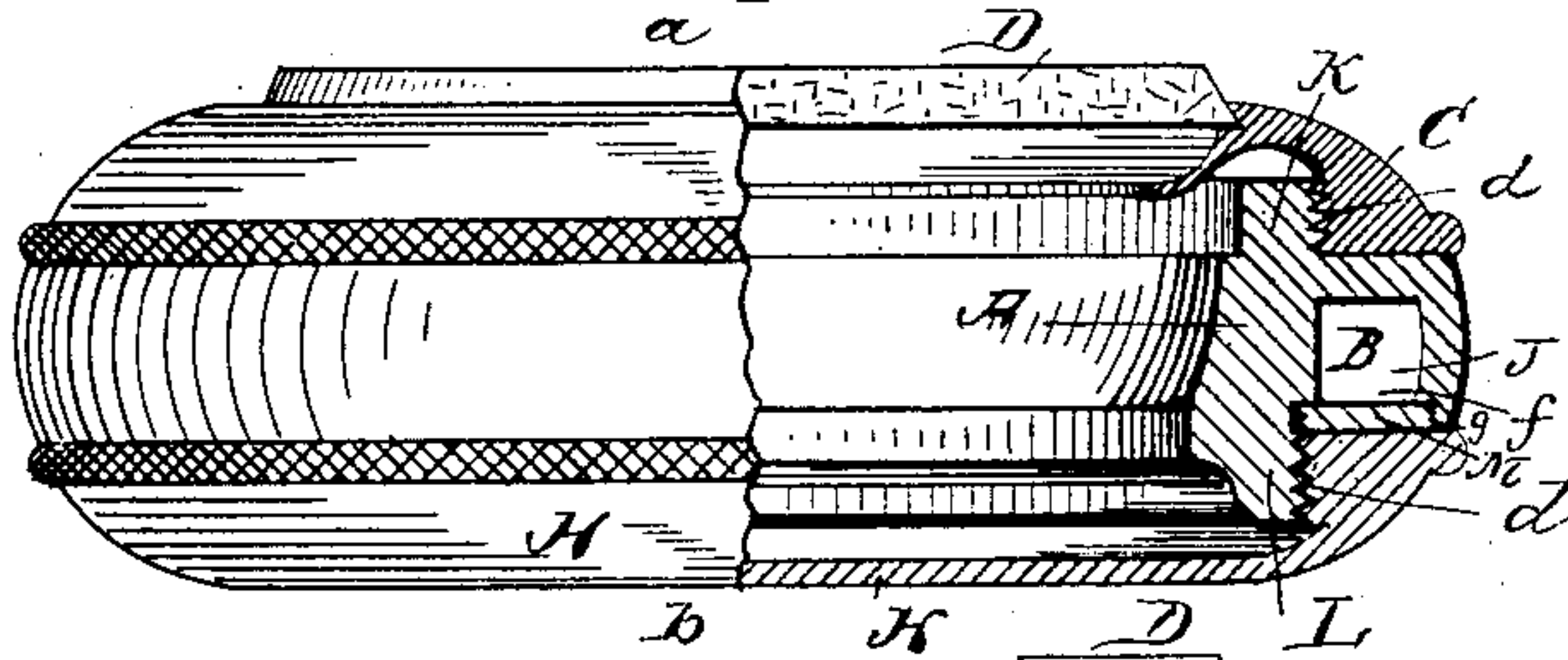


Fig. 10.

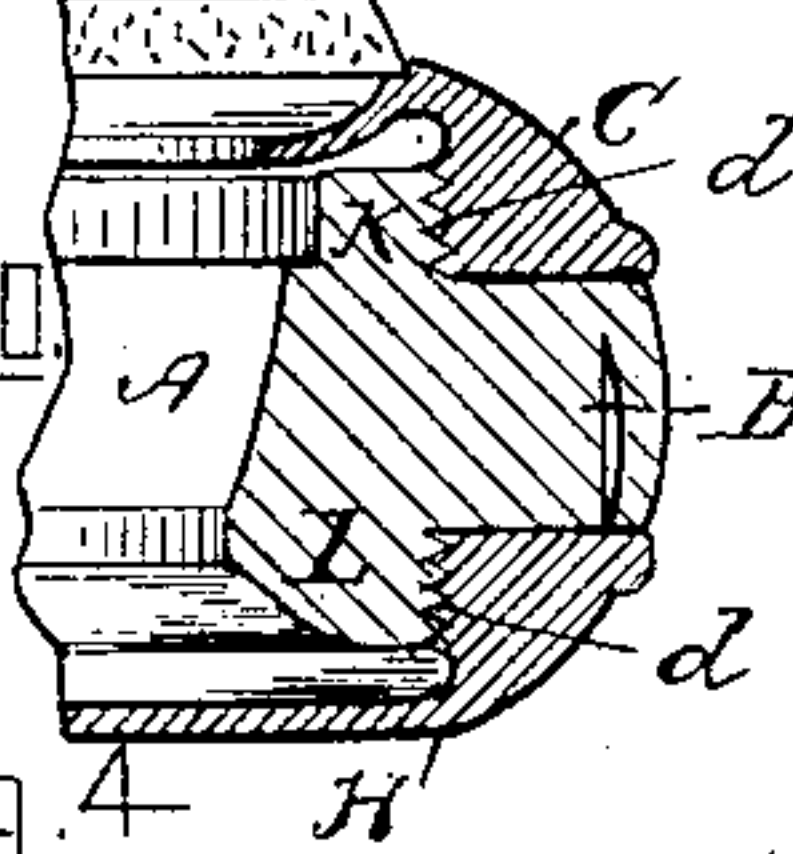


Fig. 2.

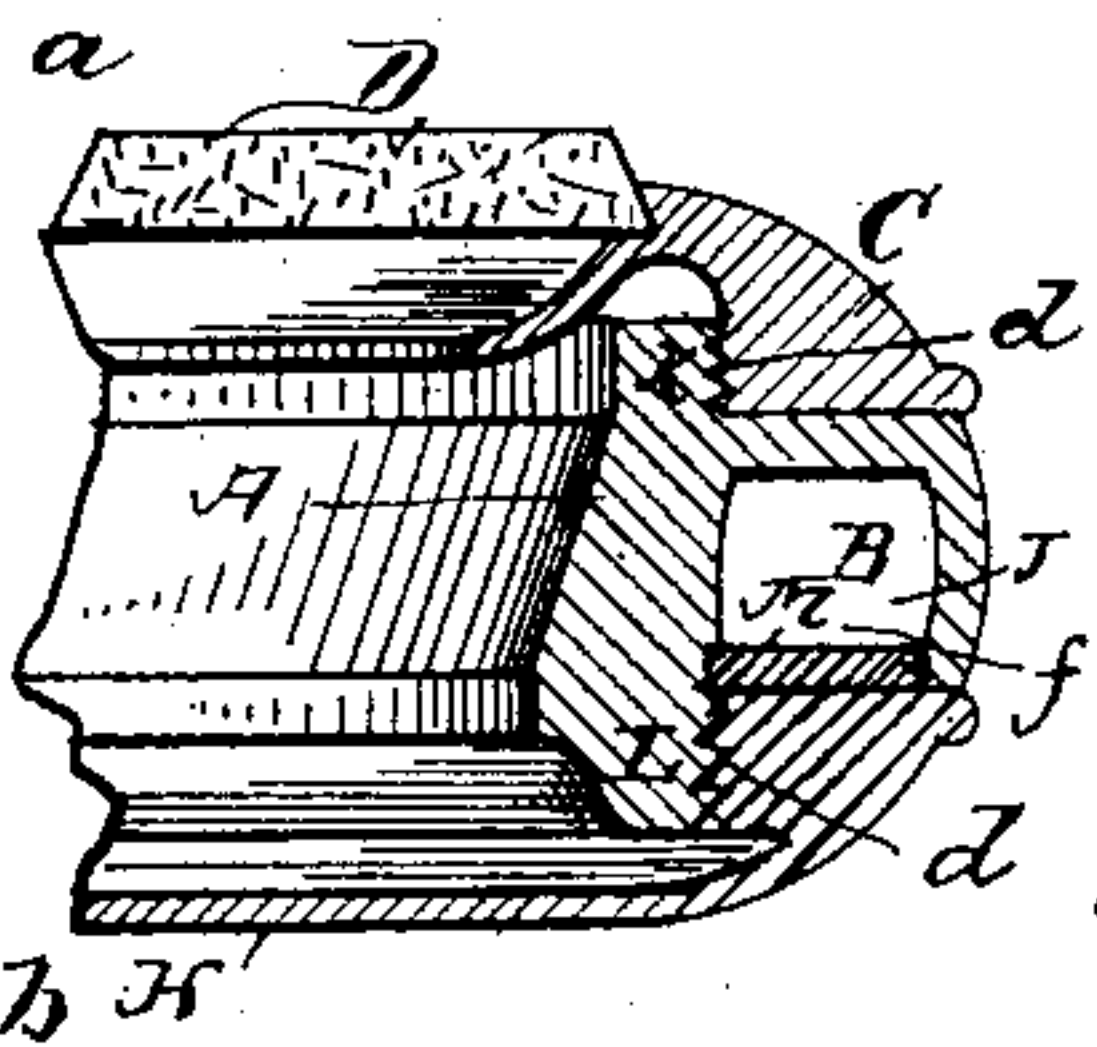


Fig. 3.

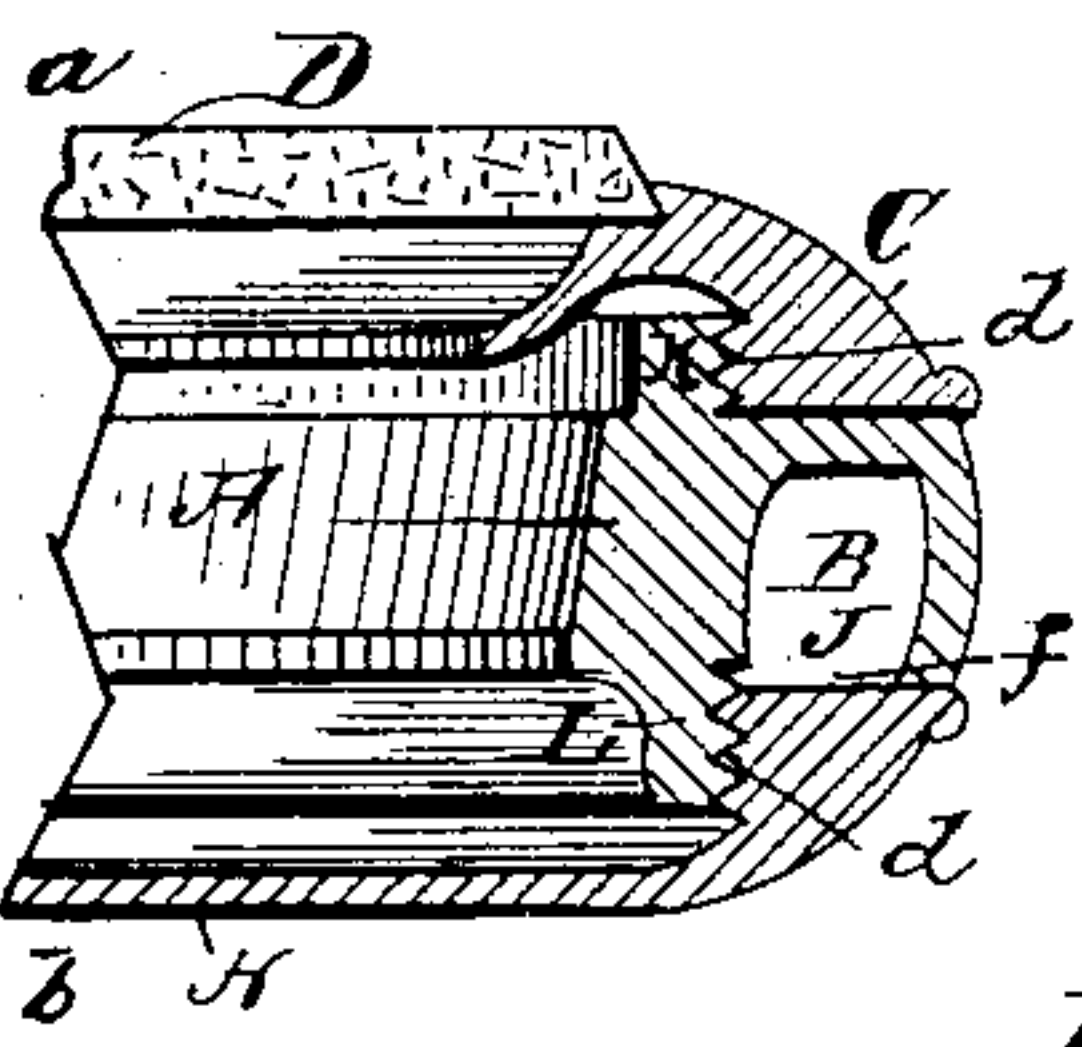


Fig. 4.

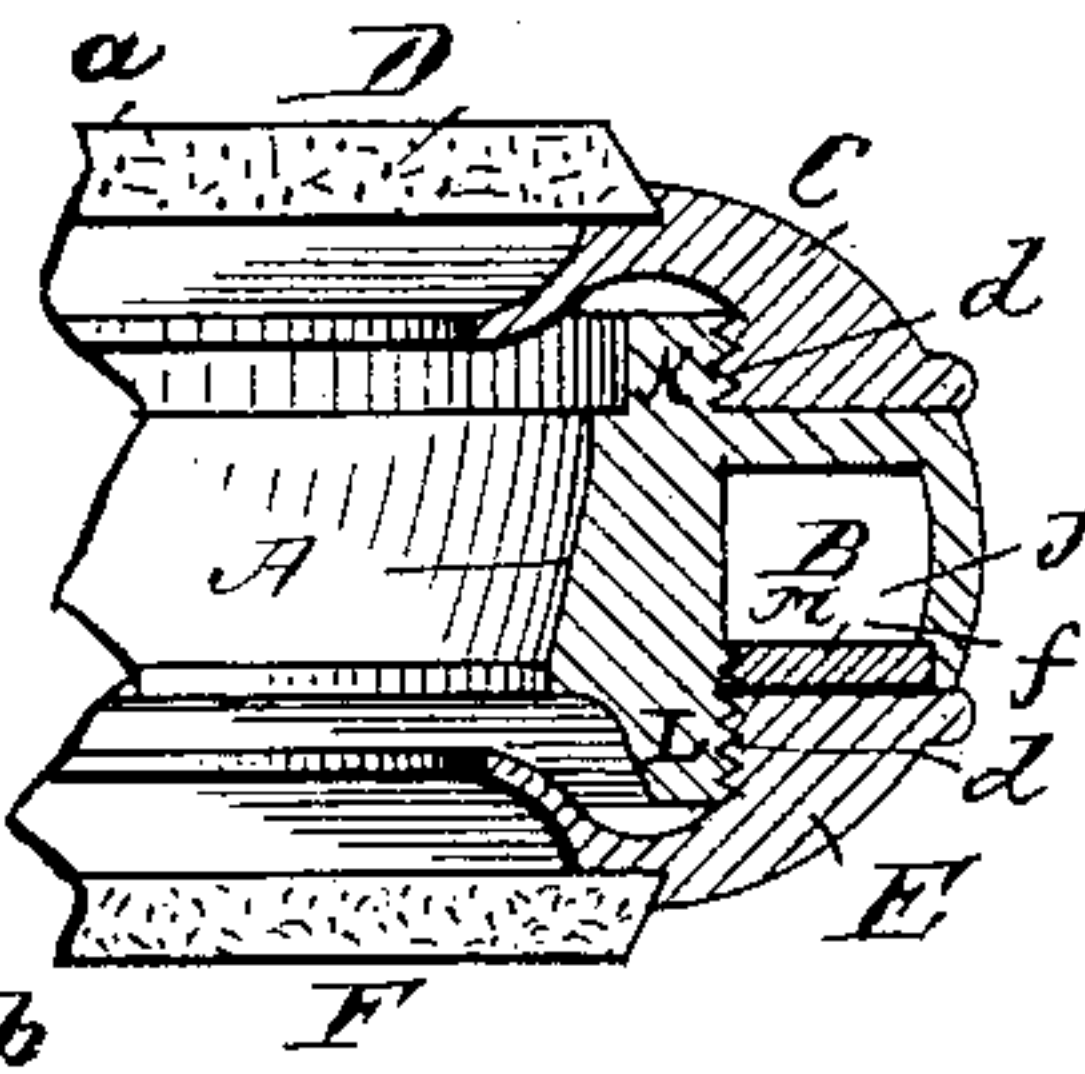


Fig. 5.

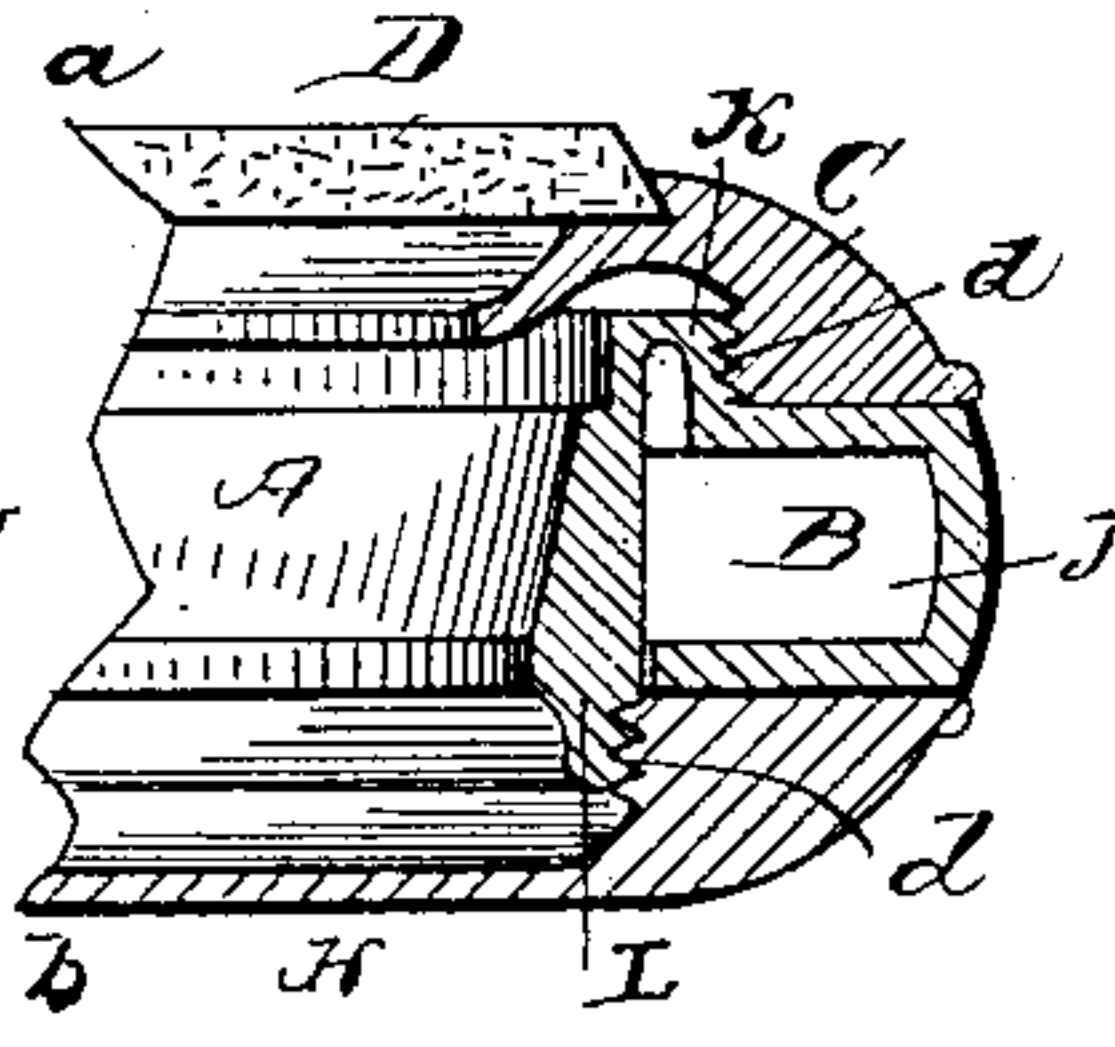


Fig. 6.

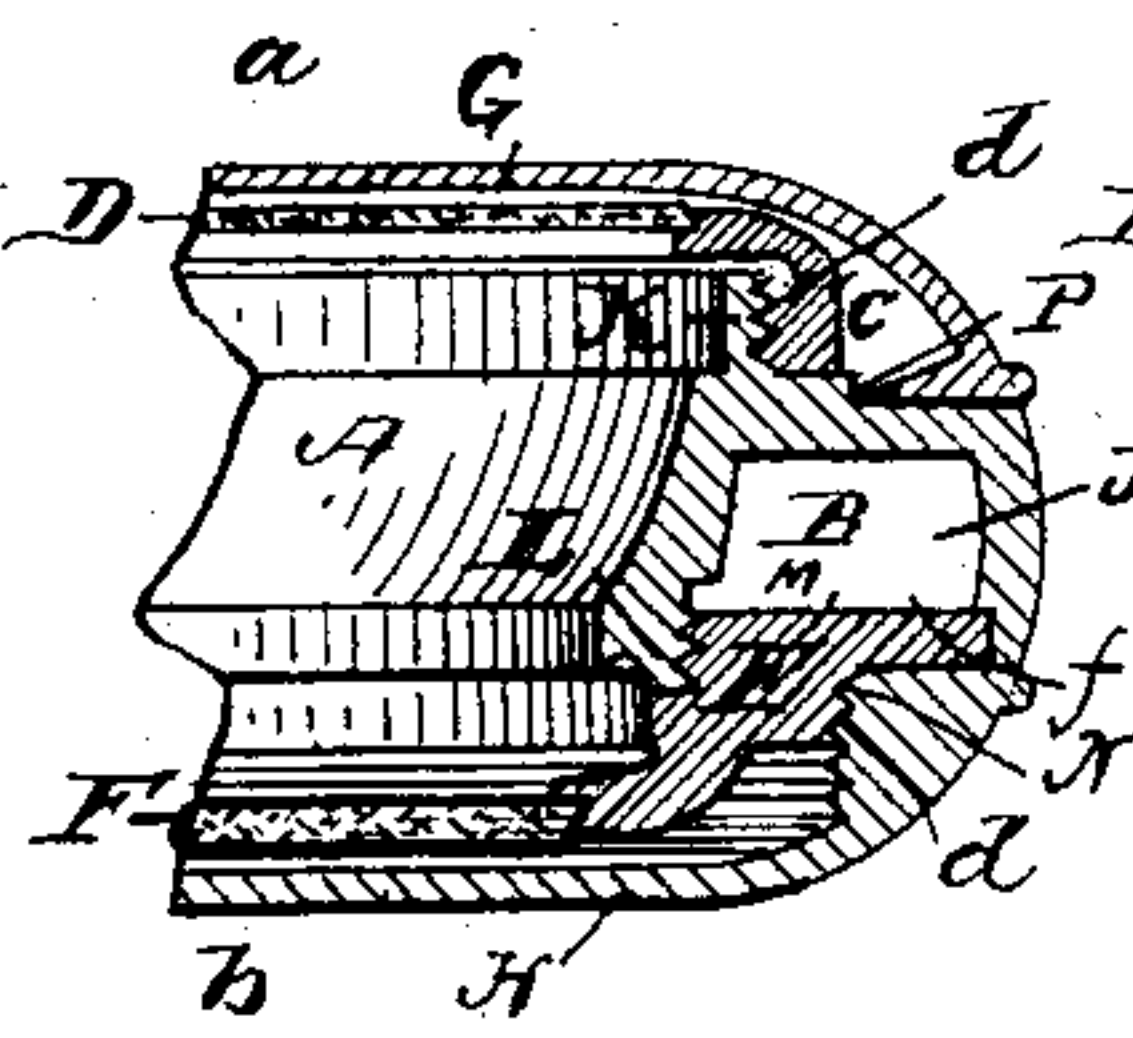


Fig. 7.

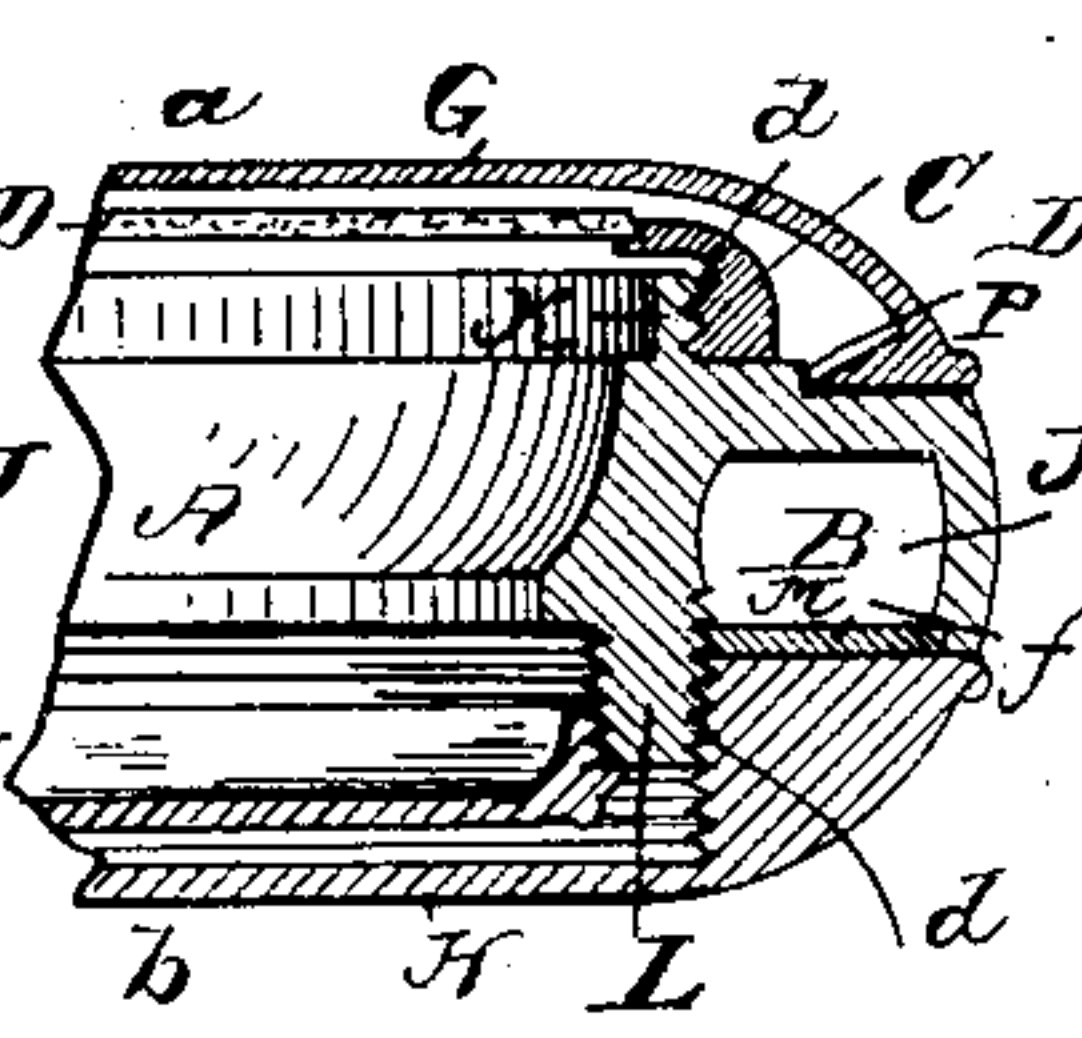


Fig. 8.

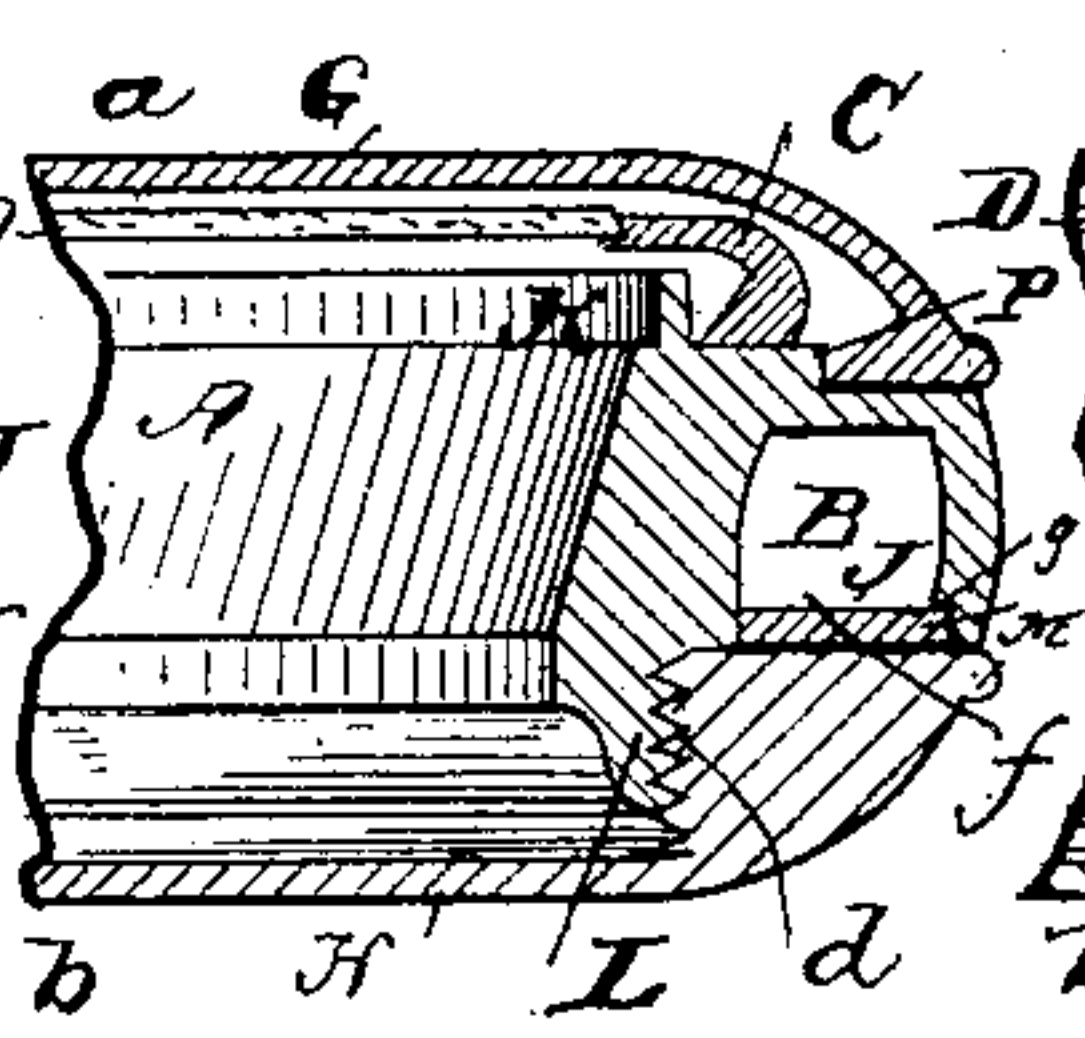
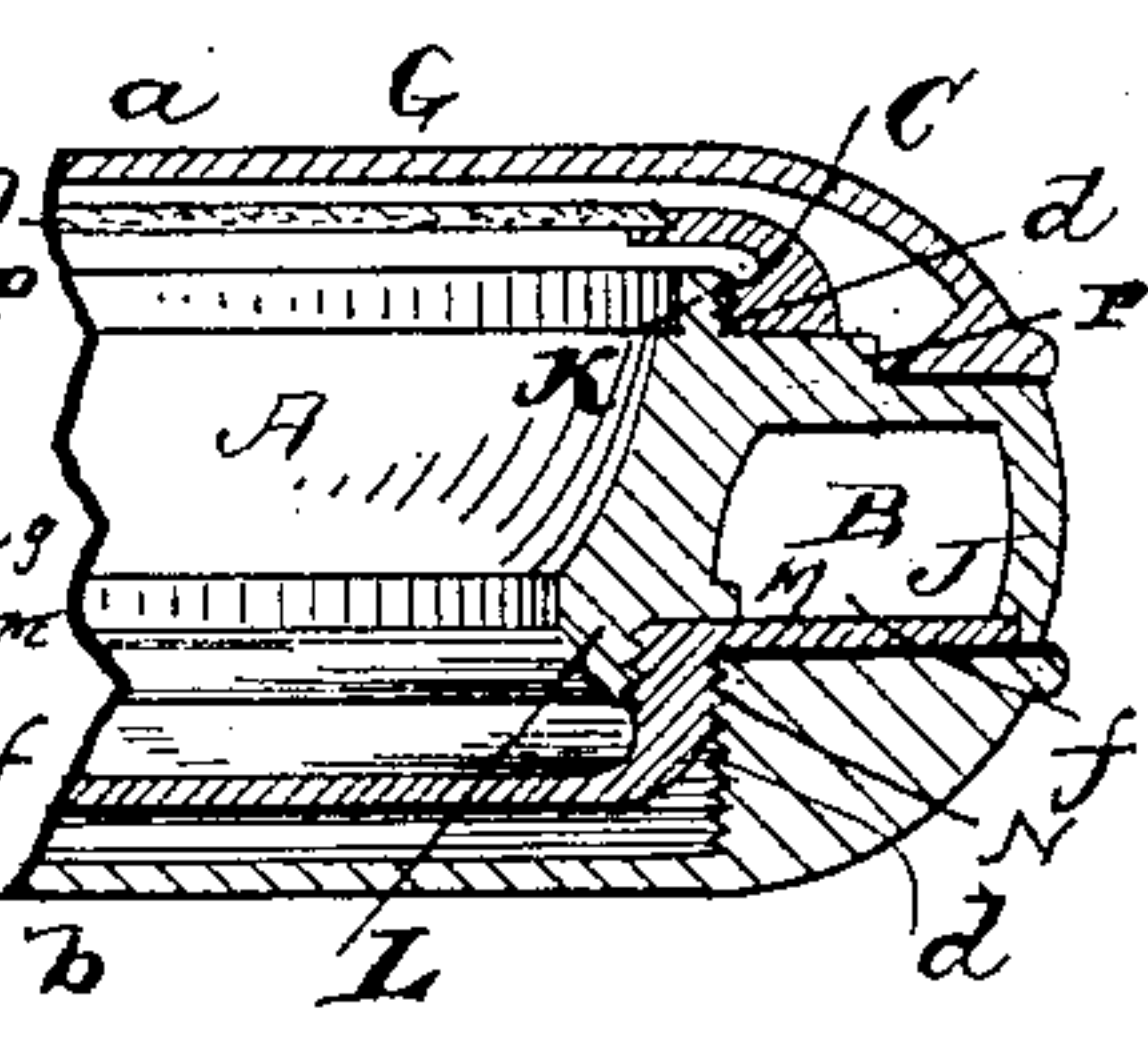


Fig. 9.



Witnesses.

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UNITED STATES PATENT OFFICE.

DANIEL O'HARA, OF WALTHAM, MASSACHUSETTS.

WATCH-CASE.

SPECIFICATION forming part of Letters Patent No. 313,360, dated March 3, 1885.

Application filed June 7, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL O'HARA, of Waltham, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Watch-Cases, of which the following is a full, clear, and exact description.

This invention, in substance, consists of a band or ring to contain the movement arranged therein, in the usual or any other suitable manner, which band is made in one piece with the annulus or central shell or body, and either of the same or of different metals, or
10 of other suitable material, and either by both being made of one piece or of separate pieces permanently secured together, and said central shell is left open at either its back or its front side, and the open side closed, and the ring made with risers at its front and back
15 sides, exteriorly adapted for the attachment of other parts of the case.

This invention, in substance, also consists of a ring or band to contain the movement, arranged therein in the usual or in any other
25 suitable manner, which band is made in one piece with the central annulus or shell, and either of the same or of different metals or of other suitable material, and either by both being made of one piece or of separate pieces
30 permanently secured together, and said central shell is left open at either its back or its front side, and the open side closed by a separate piece suitably attached for removal at pleasure, and the ring made with risers at its
35 front and back sides, exteriorly adapted for the attachment of other parts of the case.

The figures of the accompanying plate of drawings, forming a part of this specification, illustrate the present invention, and they are
40 all on a similarly enlarged scale.

Figure 1 is in part a central transverse section and in part an edge view of a watch-case with the movement removed. Figs. 2 to 8,
45 both inclusive, and Fig. 10 are sectional views at one side only of a watch-case, and they are all in illustration of the construction of the central shell or annulus and movement ring or
50 band in accordance with the first part of this invention, as heretofore stated; and Fig. 9 is a sectional view at one side only of watch-case in illustration of the construction of the central shell or annulus and movement ring or

band in accordance with the second part of this invention, as heretofore stated.

In the drawings, A is the band or ring to
55 contain the watch movement. B is the central shell, or annulus or body. C is the front bezel-ring, and D its crystal. E is the back bezel-ring, and F its crystal. G is the front cap or plate. H is the back cap or plate. 60

The movement band or ring A interiorly is adapted in any of the usual ways or in any other suitable way for receiving and securing the watch-movement. (Not represented in the drawings.) This ring A exteriorly is sur-
65 rounded by the central shell or body, preferably made with a recess or chamber, J; but it may be made solid, or nearly so, using a base or inferior metal—such as albat, nickel, brass, or other metal or material—for the inner and
70 unexposed portions thereof, and for its exposed sides or surfaces silver, gold, or other precious metal or suitable material. The central shell or annulus, B, and movement-ring A are either made of one piece of metal or of
75 other suitable material, or of separate pieces of the same metal or of different metals or materials secured together by solder or otherwise in any suitable manner, and all so that the same together shall constitute in fact one
80 piece of the case, which, combined with the other parts for the attachment of which said shell and ring are adapted, as hereinafter described, will secure the complete watch-case
85 desired.

K and L are risers—one, K, at the front side, a, and the other, L, at the back side, b, of the central shell or body. Each of the risers is exteriorly adapted—the riser K at the front side for the attachment of a front bezel-ring,
90 Figs. 1 to 10, both inclusive, and the riser L at the back side for the attachment of a back bezel-ring, E, Fig. 4, or for the attachment of a back cap or plate, H, Figs. 2 and 3, and Figs. 5 to 10, both inclusive, and for this at-
95 tachment of said parts, as particularly shown in all the figures except Fig. 8, a screw-thread, d, is formed exteriorly about the riser for the part it is to receive to be screwed upon it, and, as shown in Fig. 8, the riser exteriorly is left
100 plain and smooth for the front bezel-ring to be snapped over or upon it, instead of being screwed upon it, as shown in the other figures.

In Figs. 1 to 4, both inclusive, and Figs. 6

to 9, both inclusive, the back side, *f*, of the central shell is left open, and, except in Fig. 3, such open side closed by a separate ring piece or plate, *M*, which is suitably attached 5 for removal at pleasure.

In Fig. 3 the open side *f* of the central shell is closed by the back cap or plate, and no separate ring, *M*, is shown, and in Fig. 5 the central shell or body is continuous from the front 10 side to the back side of the ring.

The attachment of said removable ring *M*, above referred to, may be made in various ways—as, for instance, by screwing it over and upon the exterior of the riser *L*, before 15 referred to, at the back side of the central shell or body, *B*, or rather movement-ring *A*, Figs. 4 and 7, or over and upon a separate riser at the back side of the movement-ring *A*, Figs. 6 and 9, or by screwing it into and 20 upon the interior of the outer part or edge of the central shell, Fig. 2, or by simply locating or setting it within the central shell, shouldered, as at *g*, Figs. 1 and 8, to make a suitable rest therefor, and thus shouldering may 25 be combined with the said adaptation either of the central shell or body, or of the movement-band, for screwing the said separate ring into place; and this separate and detachable ring *M* may be formed so as to constitute of 30 itself a crystal bezel-ring, *E*, Fig. 6, or be constructed, as shown in Fig. 9, to wholly close the movement-ring *A* at its back side, and in such case, if a back cap or plate, *H*, is desired, said ring *M* is also provided with a riser, *N*, 35 exteriorly constructed for the attachment thereof—as, for instance, by making it with a screw-thread. This separate ring *M* may be adapted to be snapped into place, and thus attached the same as bezel-rings and cap-plates 40 of watch-cases are now commonly attached, or to be otherwise fastened in place, and the same may be said of the front bezel-ring, the back bezel-ring, and the front and back caps or plates, either or all of which may be hinged 45 to their proper riser.

In Figs. 6 to 9, both inclusive, the cap or plate is shown as located at the front side of the central shell or annulus, the shell having a suitable riser, *P*, for receiving it, and the 50 attachment of said plate or cap may be secured by snapping or screwing it over and upon said riser, or by hinging it, all as well known, hinging being preferable for obvious reasons.

With the central shell or annulus made hollow or chambered, as at *J*, and left open at

one side, as shown in Figs. 1 to 4, both inclusive, and Figs. 6 to 9, both inclusive, and such open side closed, as stated, and with this chamber of suitable shape, an opportunity is afforded for the insertion therein and removal 60 therefrom of a case spring or springs for operating upon either the front or back, or both the front and back, plates, as well known in hunting-watch cases.

The right is hereby reserved to protect by 65 separate Letters Patent the construction, substantially as herein described, of a ring, *M*, closing the open side of a central shell or body, *B*, with a riser, *N*, for the attachment of other parts of the case. 70

Heretofore the central shell or body and movement-ring of a watch-case have been made in one piece, and the shell constructed for the attachment of other parts of the case—as, for illustration, see Letters Patent of the 75 United States issued to me, dated May 13, 1884, No. 298,615. In the present invention, however, it is the movement-ring and not the shell which is constructed for the attachment of other parts of the case, and, in view of the 80 Letters Patent referred to, this invention is to be construed as strictly limited to a combined shell and movement-ring having the movement-ring constructed, substantially as described, for the attachment of other parts of 85 the case.

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

1. In a watch-case, a movement band or 90 ring, *A*, and a central shell, *B*, constituting one piece, left open at one side, and the ring *A*, made with risers *K L*, through which to attach other parts of the case, substantially as described, for the purpose specified. 95

2. In a watch-case, a movement band or ring, *A*, and a central shell, *B*, constituting one piece, left open at one side, closed by a separate plate, *M*, and the ring *A*, made with risers *K L*, through which to attach other 100 parts of the case, substantially as described, for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

DANIEL O'HARA.

Witnesses:

EDWIN W. BROWN,
WM. S. BELLOWS.