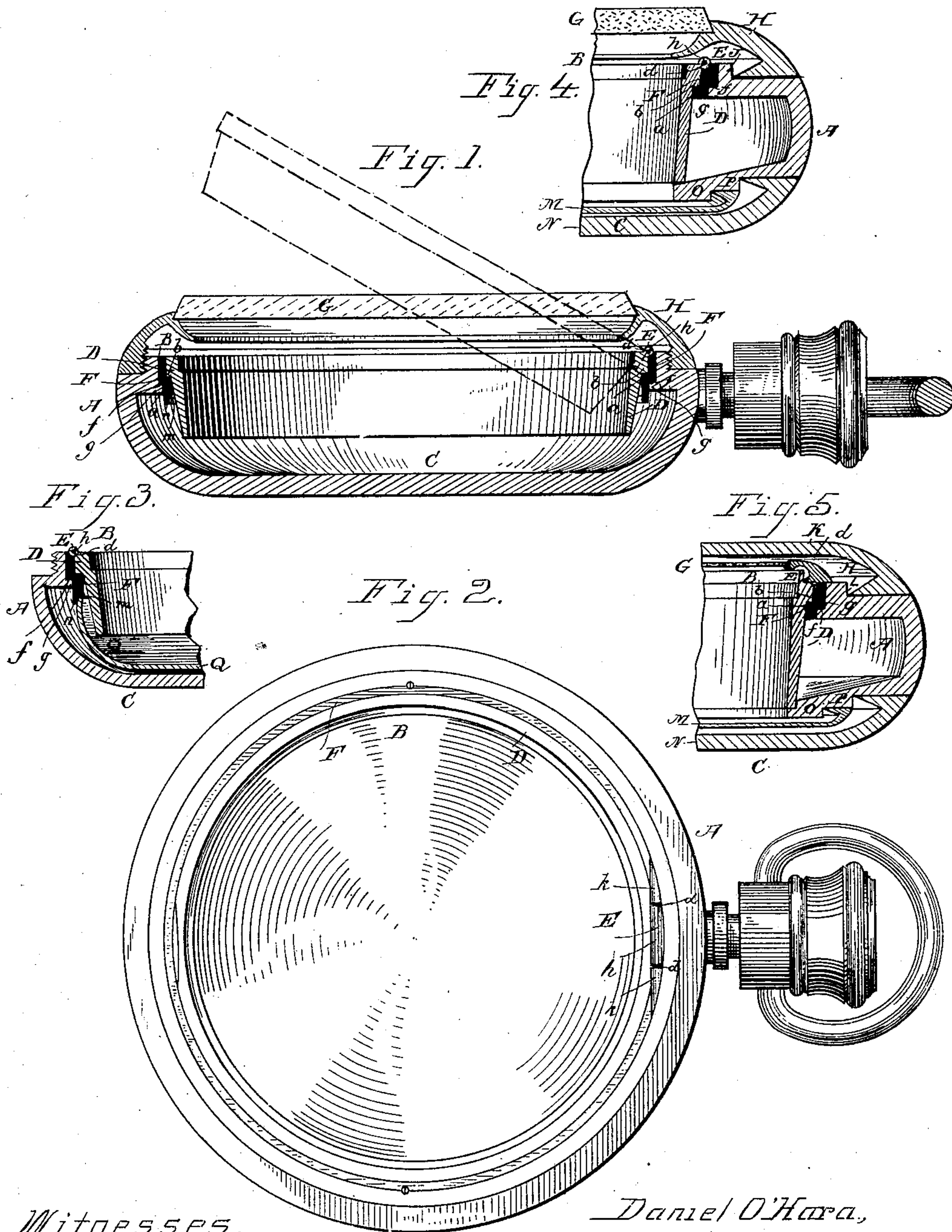


(No Model.)

D. O'HARA.
WATCH CASE.

No. 359,885.

Patented Mar. 22, 1887.



Witnesses.

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UNITED STATES PATENT OFFICE.

DANIEL O'HARA, OF WALTHAM, ASSIGNOR TO THE AMERICAN WALTHAM WATCH COMPANY, OF BOSTON, MASSACHUSETTS.

WATCH-CASE.

SPECIFICATION forming part of Letters Patent No. 359,885, dated March 22, 1887.

Application filed November 24, 1885. Serial No. 183,983. (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 new and useful Improvements in Watch-Cases, of which the following is a full, clear, and exact description.

This invention relates to the "Fitch watch-case," so known in the trade, and for a more particular description of which reference is had to the Letters Patent of the United States issued to Ezra C. Fitch, dated April 22, 1879, No. 214,642.

The invention consists of a watch-case composed of a center or shell, a back to the center, and a riser at the front thereof for the attachment of a front cap or bezel, all in one piece, in combination with a supplemental ring fitting and seating upon a shoulder or flat of and at the front of the case-center and a movement-ring within and hinged to said supplemental ring, substantially as hereinafter described.

In the drawings, all on an enlarged scale, forming a part of this specification, Figures 1, 2, and 3 are of the Fitch watch-case with this invention applied. Fig. 1 is a central transverse section of a watch-case having the movement-ring jointed or hinged within the case center or shell in accordance with this invention and showing a pendant-knob in side view. Fig. 2 is a face view of the watch-case of Fig. 1 with the crystal and bezel-ring removed. Fig. 3 is a transverse section in detail and at one side, showing a back cap or plate snapped upon the supplemental ring surrounding the movement-ring. Figs. 4 and 5 are of a watch-case having the case center or shell in the form of an annulus and made separate from the back cap, shown as in one piece with the case-center in the preceding figures, and both are transverse sections in detail, at one side only, of the watch-case and its attachments, and show in each instance the combination of movement-ring and supplemental ring surrounding and hinged to it of this invention applied thereto.

In the drawings, A represents the case center or shell, formed, as shown in Figs. 1, 2, and 3, in one seamless piece of a concave shape,

open at oneside, (the front B,) and closed at its other side, (the back C,) and all so as to be suitable to receive a watch-movement carried by a ring, D, which is hinged or jointed at one side, as at E, and is surrounded by a supplemental ring, F, preferably shouldered, as at *a*, interiorly for a rest of a corresponding exterior shoulder, *b*, of the movement-ring D, and also shaped exteriorly with a shoulder, *f*, to rest upon a corresponding shoulder, *g*, around the inner periphery of the case-center.

The construction of case center or shell A, above described, and illustrated in Figs. 1, 2, and 3, constitutes no part of this invention, and therefore needs no further description herein, it being deemed sufficient to observe that it is in substance the same as described and shown in the Letters Patent before cited, and to which reference is hereby had for a more particular description thereof.

In Figs. 4 and 5 the case center or shell is in the form of an annulus, open at both front and back, and at the front, (Fig. 4,) closed by a crystal, G, secured in a bezel-ring, H, snapped over the outside of the riser J, and (Fig. 5) also with a front cap, K, snapped over the outside of a riser, L, and at the back, Figs. 4 and 5, with inner and outer back caps or plates, M N, each snapped over separate risers O P of the case-center, all as well known, and constituting no part of this invention.

The jointing or hinging of the movement-ring to the supplemental ring may be in any of the well-known or other suitable ways, and consists in substance of a part, *h*, on the movement-ring and a part, *k*, on the supplemental ring, the one part fitting into an opening of the other part, and the two then jointed together with a pintle, *d*, on which the movement-ring is to turn or swing, said pintle being stationary and fixed in the part of the hinge on the supplemental ring. The jointing or hinging particularly described forms no part of this invention, and the invention is not to be limited in any particular to any construction of the hinge or joint E.

The combination of a supplemental ring, F, with the movement-ring D, as described, places the joint or hinge E inside of the riser at the front of the case, and to which the front bezel-

ring or cap-plate is attached, and thus does away with the placing of the joint in said riser—an important advantage, and especially when such riser is screw-threaded for screwing the front bezel-ring or a cap-plate thereon, as, for instance, as shown in Figs. 1, 2, and 3.

The supplemental ring F, at its inner edge *m*, has a riser, *n*, of the ordinary or other suitable construction, for the attachment of a cap or plate, Q, which may be made of albata or other suitable material, and shaped so that attached it will (Fig. 3) bear against the inner surface of the back cap or plate, C, of the watch-case and act to brace and stiffen the same.

The attachment of the albata or other metal cap or plate Q to the supplemental ring may be made by adapting the parts to be screwed one upon the other or otherwise, in any suitable or well-known manner.

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

1. A watch-case constructed with integral back, center, and riser at front of center, with

flats inside and outside of riser, in combination with a front bezel or cap to fit said riser and said outside flat, a supplemental ring to fit within and to seat on said inside flat of case-center, and a movement-ring hinged to and fitting within said supplemental ring, substantially as described.

2. A watch-case constructed with integral back, center, and riser at front of center, with flats inside and outside of riser, in combination with a front bezel or cap to fit said riser and said outside flat, a supplemental ring to fit within and to rest on said inside flat of case-center, a movement-ring hinged to and fitting with said supplemental ring, and a back cap or plate secured to the supplemental ring, substantially as described.

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

DANIEL O'HARA.

Witnesses:

ALBERT W. BROWN,
WM. S. BELLOWES.