

(Model.)

C. K. GILES.

WATCH CASE.

No. 386,398.

Patented July 17, 1888.

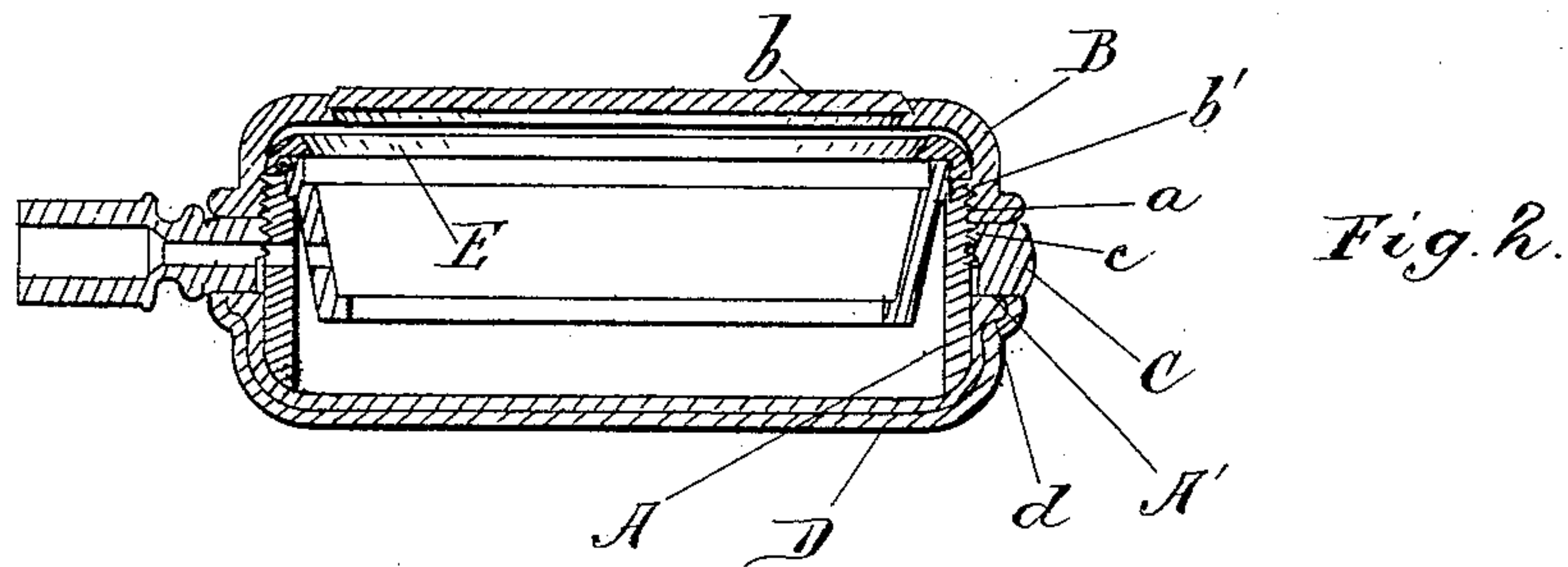
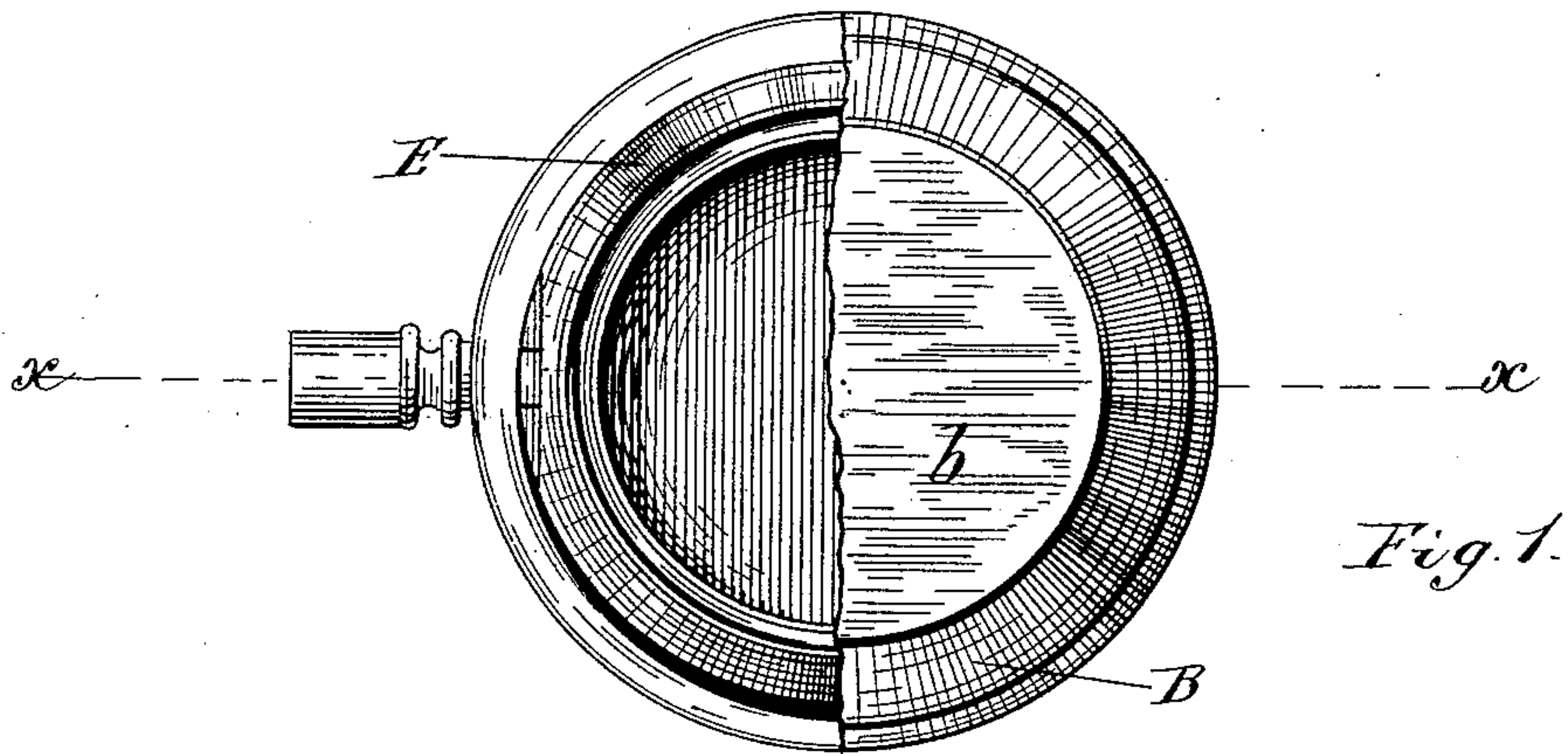


Fig. 3.

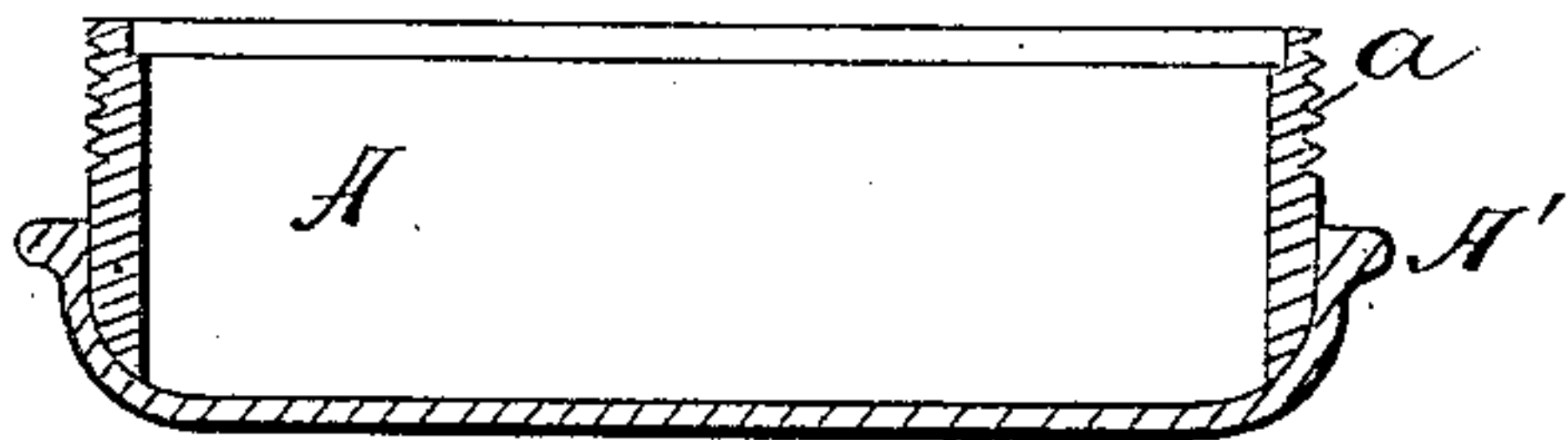


Fig. 4.

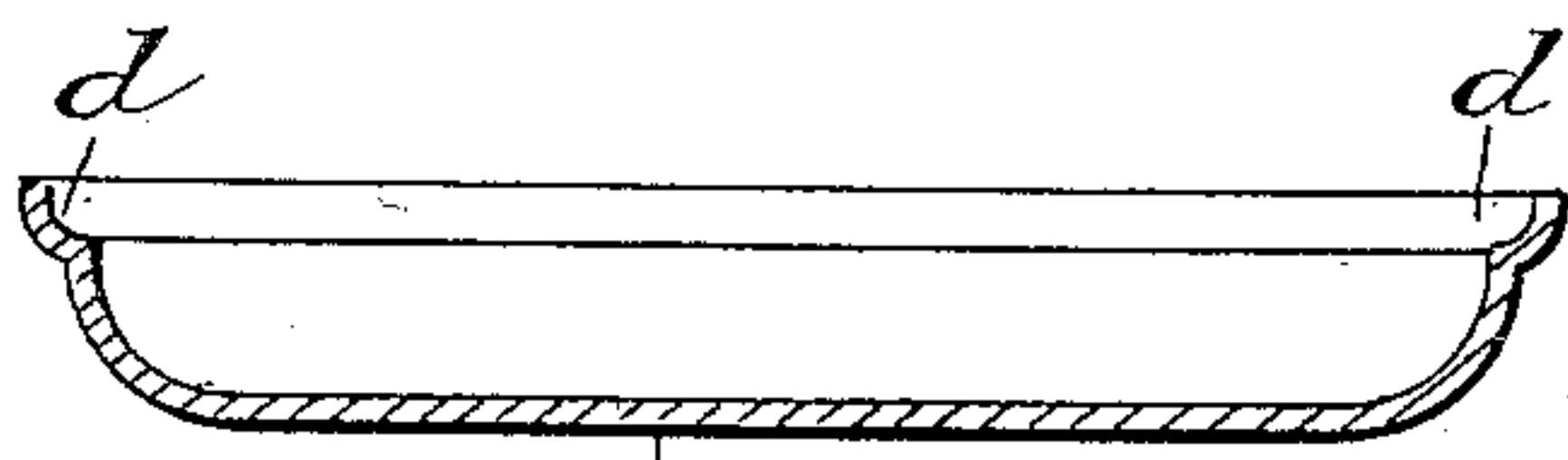
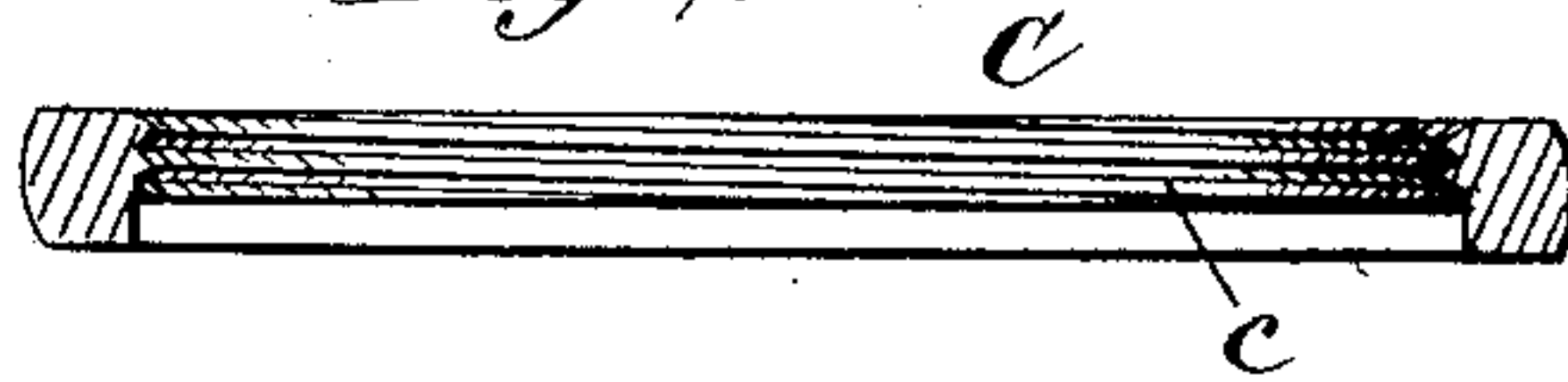


Fig. 5.

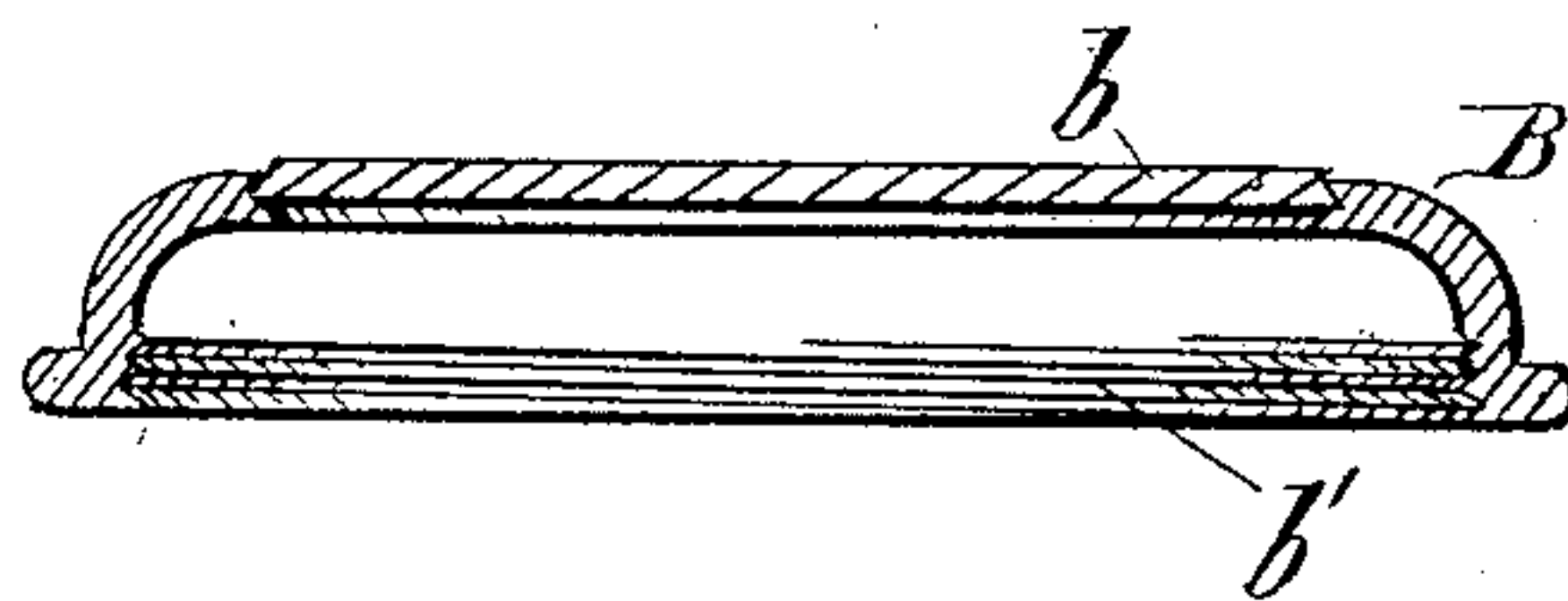


Fig. 6.

Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES K. GILES, OF CHICAGO, ILLINOIS.

WATCH-CASE.

SPECIFICATION forming part of Letters Patent No. 386,398, dated July 17, 1888.

Application filed April 27, 1885. Serial No. 163,660. (Model.)

To all whom it may concern:

Be it known that I, CHARLES K. GILES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Watch-Cases, which are fully set forth in the following specification, reference being had to the accompanying drawings, in which—

10 Figure 1 is a plan view of a watch-case embodying my improvement, a portion thereof being broken away to show the construction; Fig. 2, a sectional view of the same, taken on the line *x x* of Fig. 1; Fig. 3, a detail sectional view of the lower portion of the case detached; Fig. 4, a similar view of the case-center detached; Fig. 5, a similar view of the back cap detached, and Fig. 6 a similar view of the upper portion of the case.

20 Like letters refer to like parts in all the figures of the drawings.

My invention relates to watch-cases, and is in the nature of an improvement upon the combined dust-proof box and case set forth in Letters Patent No. 308,840, granted to me December 2, 1884; and it consists in certain novel features, which I will now proceed to describe, and then specifically point out in the claims.

30 In the drawings, A represents the lower part of the case or box, which consists of a seamless shell constructed of a single piece of metal in the form shown, some base metal of comparatively slight cost being employed in its construction for the sake of superior economy and strength. This part A is provided about 35 midway of its height with a projecting flange, A', extending clear around the shell, and the upper part of the shell, at its outer edge, is threaded, as shown at *a*, the screw-thread extending from the extreme upper edge down to 40 or almost to the flange A'.

B indicates the outer or main bezel, which carries the crystal *b* and forms the upper portion of the case. This bezel is screw-threaded 45 at its inner lower edge, as shown at *b'*, to fit upon the screw-thread *a*, formed upon the upper edge of the part A, as shown in Fig. 2. It will be seen that the two parts A and B form in connection with each other a dust-proof box, which may be used for the transportation or exhibition, as in my patent hereinbefore referred to.

C indicates the case-center, which is annular in form, its interior diameter being such as to adapt it to fit around the upper portion 55 of the lower part, A, of the case. This case-center is preferably screw-threaded internally for a portion or the whole of its depth, as shown at *c*, to fit upon the correspondingly screw-threaded portion *a* of the part A. In 60 practice the case-center C may be applied over the part A, screwing it into position when screw-threads are used, so that it will rest upon the flange A, and the bezel B, being then applied to the part A, may be screwed down 65 upon it, as shown in Fig. 2, to clamp the center against the flange A' on the lower portion of the case.

D indicates a cap or back plate, formed of a thin sheet of precious metal by stamping, spinning, or any other suitable process, the plate 70 being of a size and shape to conform to and fit closely over the exposed portion of the part A of the case, and being provided with an elastic grooved edge, *d*, adapted to spring over 75 the flange A' to retain the cap D in position, the said flange A' being made sufficiently smaller than the case-center C and the flange on the lower edge of the bezel B to bring the outer edge of the cap D on a level with the 80 outer surface of the center and bezel when the whole is in position, as shown in Fig. 2. It will thus be seen that the box, consisting of the parts A and B, may be readily transformed into a case suitable for personal wear by ap- 85 plying the center C and back cap, D, in the manner hereinbefore described, the whole being built up upon the shell A, which forms in this instance a case-lining to receive the remainder of the parts composing the case proper. 90

E indicates an inner bezel or ring hinged to the upper edge of the part A, and carrying the movement-holding ring, in which the movement is placed, so that the said bezel and movement may be swung out for inspection or removal 95 when desired. This feature, however, forms no part of my present invention, being described and claimed in an application filed by me of even date herewith, reference to which is made for further description of the same. 100 In this construction I also obtain a result different from that in my former patent, No. 308,840. In the construction there shown the movement with the movement-plate must be inserted at

the back; hence the central body of the box must be large enough to permit the movement-plate to be passed through it to the front, and then some separate devices must be applied to make a seat for the plate, as it is obvious that the plate cannot be seated in the front edge of the box. In my present construction the movement is inserted at the front of the box, which may be no larger than is necessary to receive the movement and not as large as the movement-plate. The plate may therefore be seated in the usual way upon a rabbet or seat in the front edge of the box. This is a desirable improvement when the movement is to be connected directly to the box. It is obvious too that in the construction shown in the former patent a swinging movement-ring cannot be applied at all. My present construction permits a swing-ring to be used, and an application of such a ring is shown in the drawings. This also is a desirable improvement upon the former construction shown in the patent.

It is obvious that various modifications in the details of construction may be made without departing from the principle of my invention, and I therefore do not wish to be understood as limiting myself strictly to the precise details of construction hereinbefore described, and shown in the drawings. For instance, in order to form a hunter-case watch the bezel proper, B, may be made somewhat smaller than in the construction shown in the drawings, and a front plate of ordinary construction will be hinged to the case-center C in such a manner as to cover the said bezel when closed and form a complete hunter-case.

In the present application I make no claim to the subject-matter claimed in another ap-

plication filed by me of even date herewith, Serial No. 163,658.

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

1. The circular shell and back cap, A, provided with an external horizontal flange, and an external thread extending from its front edge nearly to the flange, in combination with a front bezel or cap, B, internally threaded to fit the threaded portion of the shell, and an independent ring-center, C, also internally threaded and adapted to be turned upon the threaded shell and retained in position between the flange and the front bezel, substantially as and for the purposes specified.

2. The circular shell and back cap, A, provided with an external horizontal flange, and at its outer edge with an external thread, in combination with a front bezel or cap, B, internally threaded to fit the threaded shell, an independent ring-center, C, adapted to be applied to the shell and clasped between the flange on the latter and the front bezel, and a movement-ring hinged to the upper edge of the shell, substantially as and for the purposes specified.

3. The circular shell and back cap, A, provided with a horizontal external flange, A', in combination with the cup-shaped plate D, provided with an elastic grooved edge, d, adapted to fit over the back plate and to be sprung over the flange A', substantially as and for the purposes specified.

CHARLES K. GILES.

Witnesses:

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