

June 10, 1924.

1,496,859

A. MAROTTI

WATCHCASE

Filed Feb. 1, 1923

Fig. I.

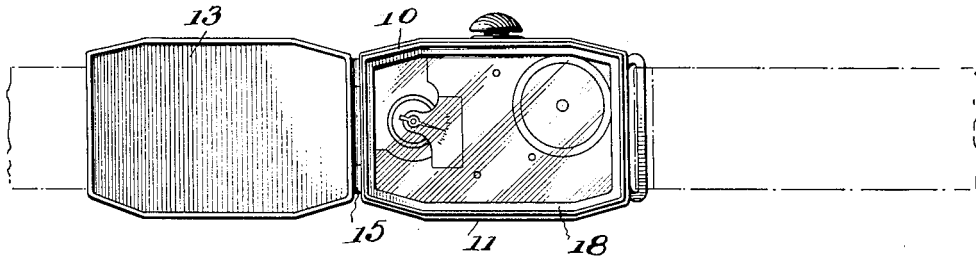


Fig. II.

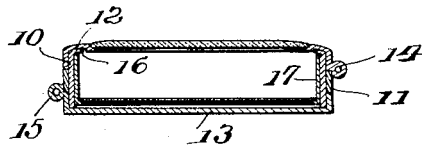


Fig. III.

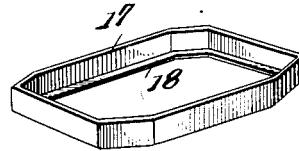
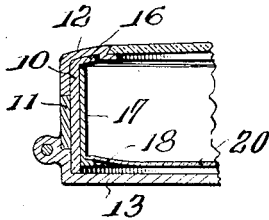


Fig. IV.

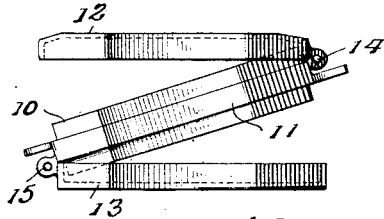


Fig. V.

INVENTOR.

Arthur Marotti

by

Jethrotonhaugh & Co. Attys

UNITED STATES PATENT OFFICE.

ARTHUR MAROTTI, OF NEW YORK, N. Y.

WATCHCASE.

Application filed February 1, 1923. Serial No. 616,376.

To all whom it may concern:

Be it known that I, ARTHUR MAROTTI, a citizen of the United States, residing at the borough of Manhattan, in the city, county, and State of New York, have invented certain new and useful Improvements in Watchcases, of which the following is a specification.

This invention relates to watch cases and particularly to that form of cases used for wrist watches of the better grade and finest quality.

Watches of this type are subjected to unusual exposure, and are therefore liable to injury from dust or other elements, and it has been my object to devise a construction which while compact and of artistic appearance will also comprise complete resistance to the entrance of dust to the works, and a transparent covering therefor which will permit of a view of the movement but prevent tampering therewith by inexperienced persons.

The structure consists of a novel combination of four distinct members, viz:—a back cover, a crystal holding member, a receptacle to hold the movement, and a band adapted to encircle the said movement prior to the inserting thereof in the said receptacle, the said back cover and crystal holding member being hingedly connected to the said receptacle at opposite sides thereof.

A preferred embodiment of these elements is described hereinafter and shown in the drawings in which:—

Fig. I is a rear elevation of the device with the back cover thrown open.

Fig. II. is a longitudinal sectional view.

Fig. III. is an enlarged detail view of one end portion of the device.

Fig. IV. is a detail view in perspective of the band adapted to encircle the movement.

Fig. V. is a side elevation of the case with the back cover and crystal holding member partially opened.

This construction has been designed particularly for use in cases made from platinum but as is obvious, any other suitable metal can be utilized.

As shown herewith the case is oblong in shape with slightly beveled corners but it could be made of circular or oval shape equally well.

In Fig. I, 10 indicates a peripheral wall provided on its outer surface with an annular band 11 secured thereto in any suit-

able manner, or formed integrally with the wall, and adapted to engage snugly with the edges of the rectangular flanges on the sides of the crystal holding member 12 and the back cover 13 both of which are shown hingedly connected to the opposite ends of the band 11 at 14 and 15 in Fig. II. The wall 10 is also provided with an inwardly turned flange 16 on its upper edges against which the crystal holding member closes in snug engagement. This flange also serves as a stop to limit the insertion of the watch movement into the receptacle, and to prevent the entrance of dust between the inner sides of the wall 10 and the outer side surfaces of the watch movement.

In Fig. IV the band 17 as shown is provided with a narrow inturned flange 18 on its lower edge. The sheet of transparent material 20 accurately cut to fit the contour of the inner sides of the band 17 is positioned therein on the said flange 18, and the works are then inserted in the band so that the edges of the transparent sheet are tightly gripped between the works and the flange 18. The band with the works enclosed is then inserted within the walls 10 of the case.

For the said transparent sheet I prefer to use isinglass of a soft, pliable consistency which will permit of the formation of a very close tight joint between the works and the said flange 18. As the back cover in this construction is practically always kept closed, the said transparent sheet is rarely if ever subjected to any rough treatment, and yet fitted and gripped as it is between the flange 18 and the works all dust is kept out thereby and at the same time the works are clearly visible at any time when the back cover 13 is swung open.

It should also be noted that the crystal holding member 12 is mounted in such a way that it may readily be swung open to gain access to the interior of the case, it having been the custom heretofore to make the crystal holding member and the body of the case in one piece, especially in the higher and more expensive grades of platinum cases.

I claim:—

1. In a watch case, a sheet of transparent material covering the back of the works, and a flange formed with the case, the edges of the sheet being gripped between said flange and the works.

2. In a watch case, an inner band, a flange formed with said band, and a sheet of transparent material covering the back of the works and its edges gripped between
5 said flange and the works.

3. In a watch case the combination of the following elements; an intermediate watch movement receptacle; a back cover hingedly connected thereto; a crystal holding member hingedly connected to the opposite side
10 of the said receptacle; a band provided with a flange and adapted to enclose a watch movement; and a sheet of transparent material covering the back of the said watch
15 movement with its edges gripped between said flange and the said watch movement.

4. In a watch case the combination of the

following elements: an intermediate watch movement receptacle provided with an inwardly turned flange on its upper edge; a
20 back cover hingedly connected thereto; a crystal holding member hingedly connected to the opposite side of the said receptacle; a band provided with a flange and adapted to enclose a watch movement; and a sheet of
25 transparent material covering the back of the said watch movement with its edges gripped between said flange and the said watch movement.

Signed at the borough of Manhattan, in
30 the city, county and State of New York, this 27th day of January, 1923.

ARTHUR MAROTTI.