Feb. 20, 1923. 1,446,082

G. H. APPLEGATE

COMBINED LOCKET AND WATCH OR CLOCK

Filed Mar. 13, 1922

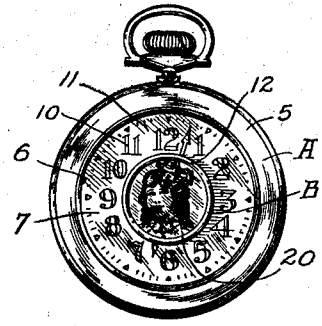


Fig. 1.

Fig. 2.

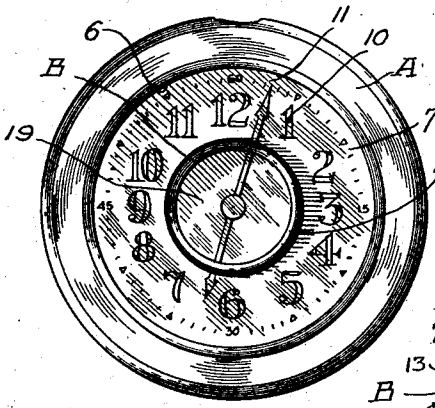
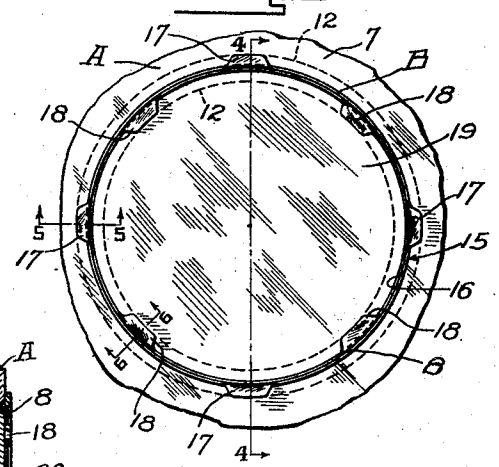


Fig. 3.



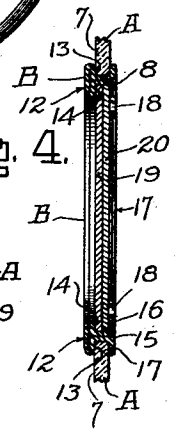


Fig. 4.

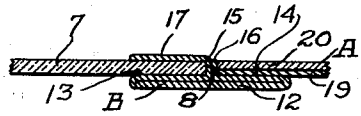
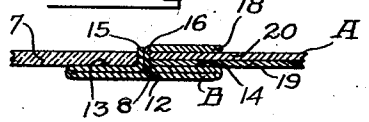


Fig. 5.

Fig. 6.



Inventor

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UNITED STATES PATENT OFFICE.

GEORGE H. APPLEGATE, OF ORLANDO, FLORIDA, ASSIGNOR OF ONE-THIRD TO HALVAR TISELL, OF TAMPA, FLORIDA, AND ONE-THIRD TO ANNIE D. DALRYMPLE, OF MACKINAW CITY, MICHIGAN.

COMBINED LOCKET AND WATCH OR CLOCK.

Application filed March 13, 1922. Serial No. 543,435.

To all whom it may concern:

Be it known that I, GEORGE H. APPLEGATE, a citizen of the United States, residing at Orlando, in the county of Orange and State of Florida, have invented certain new and useful Improvements in Combined Lockets and Watches or Clocks, of which the following is a specification.

This invention relates to combined lockets and watches or clocks and more particularly to a novel means for holding a photograph on a watch or clock, and the primary object of the invention is to provide a novel means for incorporating a picture frame with a watch or clock, so that the watch or clock will perform the dual functions of a locket and a time piece, the picture frame adding attractiveness and beauty to the watch or clock, which will please the æsthetic taste of the trade.

Another object of the invention is to provide a novel picture frame carried by the crystal of a watch or clock, said picture frame forming an effective means for protecting the picture and for holding the same in position against accidental displacement, so that the picture can be readily viewed by the owner thereof each time the watch is drawn from the pocket.

A still further object of the invention is to provide a combined picture frame and watch or clock crystal, which will be strong and durable in use, and which can be placed upon the market at a reasonable cost and readily incorporated with watches and clocks.

With these and other objects in view, the invention consists in the novel contruction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part of this specification, in which drawing:

Figure 1 is a front elevation of a watch showing a picture frame incorporated therewith and a picture disposed in said frame.

Figure 2 is a an enlarged front elevation of the watch showing the improved frame incorporated therewith, showing the picture removed.

Figure 3 is a fragmentary rear elevation of the watch crystal showing the improved frame incorporated therewith.

Figure 4 is a diametric section through the watch crystal and frame, taken on the line 4—4 of Figure 3, showing the picture in position in the frame.

Figure 5 is a detail fragmentary section taken on the line 5—5 of Figure 3, showing the means carried by the frame for holding the same in position.

Figure 6 is a similar section taken on the line 6—6 or Figure 3, showing the means formed on the frame to engage the picture to prevent accidental displacement of the picture from the watch crystal.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A indicates a watch; and B, the improved frame attachment therefor.

While I have shown the frame in connection with a watch A, it is to be understood, of course, that the same could be readily connected with the protecting glass or crystal of a clock, without departing from the spirit or scope of this invention.

The watch A can be of the usual or any preferred construction or form and includes the case 5 provided with the usual bezel 6 in which the crystal 7 is adapted to be sprung in the ordinary manner. The crystal 7 has the central portion thereof provided with a relatively large axial opening 8, and the picture frame B is adapted to be associated with the crystal so as to surround the said opening.

The frame B is of such a size, as to lie inward of the characters 10 on the watch face 11, for indicating the hours and minutes so that the time can be readily read.

The frame B can be formed of any desired material, but preferably of metal, and includes the annular body 12, which is adapted to lie in the same plane as the outer surface of the watch crystal 7. This body 12 is provided with inwardly extending flanges 13 and 14. The flange 13 is adapted to overlie the outer surface of the crystal 7 and engage the same so as to prevent movement of the frame inwardly.

The flanges 13 and 14 have formed thereon inwardly extending abutting flanges 15 and 16, which are adapted to extend inwardly into the opening 8. The flange 15 lies in facial engagement with the wall of the opening 8 and is adapted to form a snug

fit therewith. The flange 15 can be provided with bendable tongues 17, which are adapted to be bent at right angles into engagement with the watch crystal 7 so as to prevent outward movement of the frame. The flange 16 can have formed thereon intermediate the tongue 17, the bendable tongues 18, which are adapted to be bent into engagement with the picture held by the frame, in order to prevent movement of the picture from out of the frame. As clearly shown in Figures 4, 5, and 6 of the drawings, a circular piece of celluloid or mica 19 is inserted in the frame in engagement with the flange 14 and with the flange 16. After the piece of mica, celluloid or other transparent protector has been placed in position, the picture 20 is placed in facial engagement with the transparent protector. After the picture has been placed in position, the tongues 18 are bent at right angles into engagement with the picture as heretobefore stated, and as clearly shown in Figure 6 of the drawings. Thus it can be seen that the picture 20 and its transparent protector 19 are confined respectively between the flange 14 and the tongues 18. This forms an extremely simple means for holding a picture in position on a watch crystal, which is so much desired by the public, and eliminates the necessity of placing the picture within the watch cover as is now the usual custom which necessitates the opening of the cover every time it is desired to view the picture.

Changes in details may be made, without departing from the spirit or scope of this invention; but,

I claim:

1. The combination with a watch or clock crystal having a central opening, of a picture frame fitted in the central opening.

2. The combination with a watch or clock including a crystal having a central axial opening therein, a picture frame fitted within the opening including a flange for engaging one face of the crystal, and bendable tongues for engaging the opposite face of the crystal and the picture to be placed within the frame.

3. The combination with a time piece, including a crystal having an opening therein of a picture frame, means for detachably associating the frame with the wall of the opening, whereby said frame can be removed when the crystal becomes broken to permit the same to be associated with other time piece crystals.

4. The combination with a clock or watch crystal having a circular opening therein, of a frame for holding a picture including an annular body including inwardly extending abutting flanges formed on its opposite edges, inwardly extending parallel annular flanges formed on the second mentioned flanges for engaging in the opening and bendable tongues formed on the last mentioned flanges for engaging respectively one surface of the crystal and the picture to be held in position.

5. The combination with a watch or clock crystal having an opening formed therein, of a frame for holding pictures shaped to conform to the configuration of the opening including a body, inwardly extending flanges formed on the opposite edges of the body, one of the flanges being arranged to engage the outer face of the crystal, and the other flange being adapted to extend toward the central portion of the opening, inwardly extending right angularly disposed abutting flanges formed on the first mentioned flanges and arranged in said opening and in engagement with the well thereof, a transparent picture protector disposed in the frame and in engagement with one of the first mentioned flanges which extends toward the central portion of the opening, a picture disposed in the frame in facial abutment with the transparent protector, and bendable tongues formed on the last mentioned flanges for engaging the inner face of the watch or clock crystal and the inner face of the picture, the bendable tongues lying within the plane of the first mentioned flanges.

GEORGE H. APPLEGATE.