Nov. 27, 1951 A. PETER ET AL 2,576,476

WATCH MOUNTED ARTICLE

Filed March 23, 1949. 2 SHEETS—SHEET 1

Fig. 1

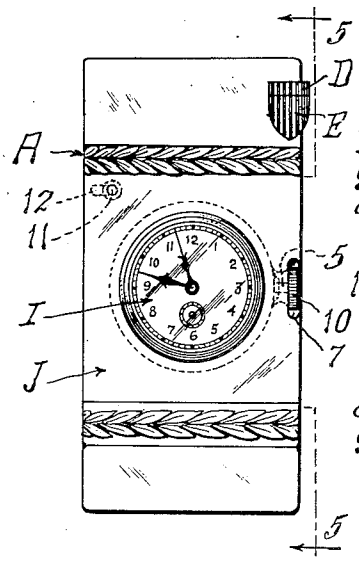


Fig. 2

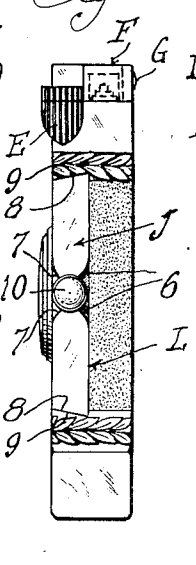


Fig. 3

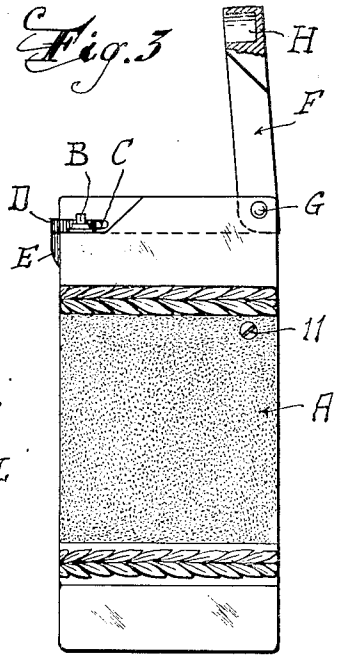


Fig. 4

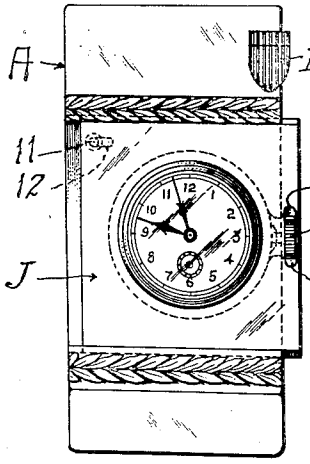


Fig. 5

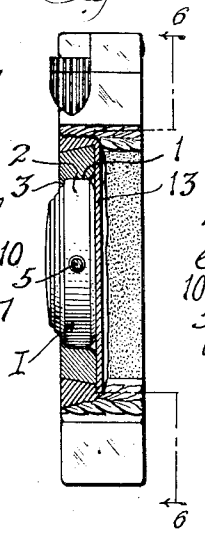
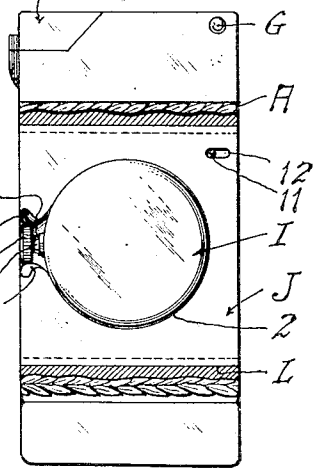


Fig. 6



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Nov. 27, 1951 A. PETER ET AL 2,576,476

WATCH MOUNTED ARTICLE

Filed March 23, 1949 2 SHEETS--SHEET 2

Fig. 10

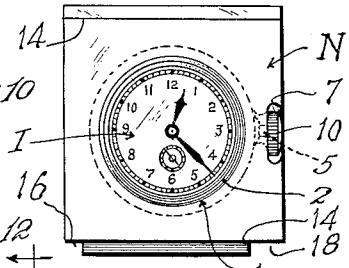


Fig. 7

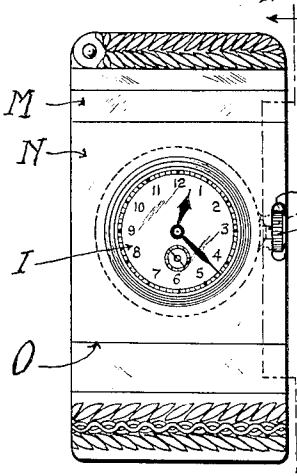


Fig. 8

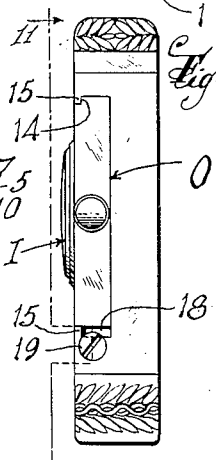


Fig. 9

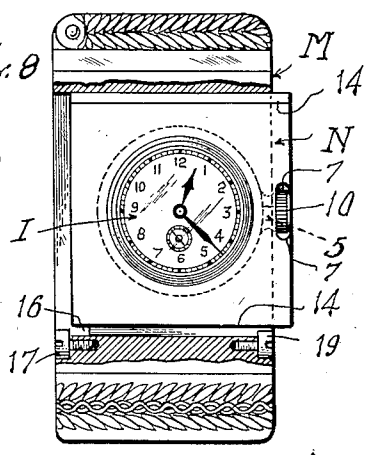


Fig. 11

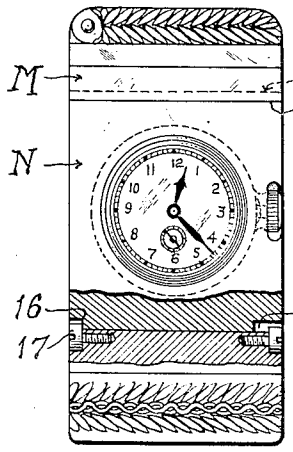


Fig. 12

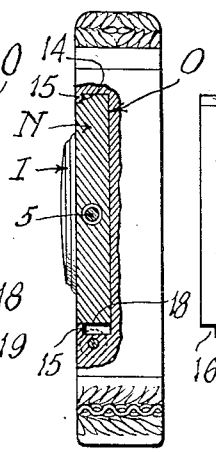
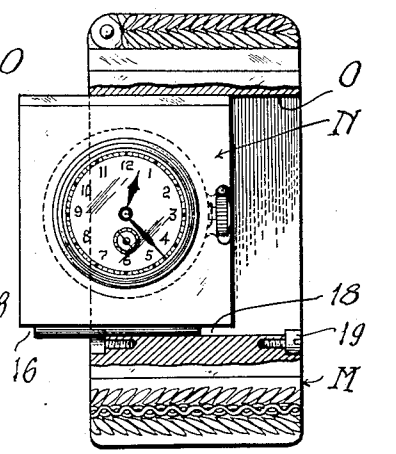


Fig. 13



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WATCH MOUNTED ARTICLE

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Application March 23, 1949, Serial No. 83,064

4 Claims. (Cl. 58—88)

1

This invention relates in general to the mounting of a watch on another article, one object of the invention being to provide a novel and improved combination of a watch and another article, particularly an article for personal use, for example a cigarette lighter or a cigarette case.

Further objects of the invention are to provide a watch mounted article of the character described which shall embody novel and improved features of construction whereby a watch can be securely mounted on an article with its face exposed and with its winding and setting stem protected against such accidental engagement with extraneous objects as might injure the stem; and to provide such a watch mounted article wherein the mounting means can be adjusted to move the watch stem into an accessible position for manual manipulation to wind or set the watch.

Other objects are to provide a combination of a watch and an article such as a cigarette lighter which shall embody novel and improved features of construction whereby the combination shall be compact, neat in appearance, and the face of the watch shall be easily visible while at the same time the possibility of injury to the watch is reduced to the minimum.

Other objects are to provide novel, inexpensive and reliable means for mounting a watch in another article such as a cigarette lighter; and to obtain other advantages and results that will be brought out by the following description in conjunction with the accompanying drawings in which

Figure 1 is a front elevational view of a watch mounted cigarette lighter constructed in accordance with the invention;

Figure 2 is a side elevational view thereof;

Figure 3 is a rear elevational view of the watch mounted cigarette lighter; showing the cover for the wick and flint in open position to permit operation of the lighter;

Figure 4 is a view similar to Figure 1 showing the watch mount in adjusted position for winding or setting of the watch;

Figure 5 is a side elevational view of the watch mounted cigarette lighter with portions broken away on the plane of the line 5—5 of Figure 1;

Figure 6 is a rear elevational view with portions broken away approximately on the plane of the line 6—6 of Figure 5;

Figure 7 is a view similar to Figure 1 showing a modification of the invention;

Figure 8 is like Figure 2 illustrating the modification shown in Figure 7;

2

Figure 9 is a front elevational view of the watch mounted article, illustrating the watch mount in the position for manual manipulation of the watch stem, portions being broken away and shown in section;

Figure 10 is a front elevational view of the watch mounting plate with the watch arranged thereon;

Figure 11 is a combined elevational and sectional view approximately on the plane 11—11 of Figure 8;

Figure 12 is a side elevational view with portions broken away approximately on the plane of the line 12—12 of Figure 7, and;

Figure 13 is a view similar to Figure 9 showing the manner of removing or inserting the watch mount into or from the other article.

Specifically describing the invention, in Figures 1 to 6, inclusive, we have shown a watch mounted cigarette lighter which includes a main casing A at one end of which are the usual wick B, the flint or sparking element C and the sparking wheel D cooperating with the flint and actuated by a thumb wheel E. The wick B and flint C are normally enclosed or protected by a cover F which is hingedly connected at G to one end of the casing and has a recess H to receive the wick when the cover is in closed position as shown in Figures 2 and 6. When it is desired to light the wick B, the cover F is raised to the position shown in Figure 3. The construction of the cigarette lighter is immaterial to the invention and is shown and described primarily for the purpose of illustrating the principles of the invention.

In accordance with the invention a watch I of any suitable construction is mounted in or on the cigarette lighter so that its face is normally exposed and its stem and crown is normally protected against rotation by extraneous articles, but so that the stem can be moved into an accessible position for easy manipulation to set or wind the watch. As shown, the watch I is circular in plan and is seated in a mounting plate J which is approximately rectangular in plan and has an opening 1 therethrough to nicely receive the watch case 2 with the face thereof exposed through the opening, said opening having an inwardly projecting circumferential flange 3 at one end to serve as a seat for the watch case. The mounting plate has in its rear side adjacent one end thereof a notch or groove 4 to receive the stem 5 of the watch, and outwardly of said groove the rear and front surfaces of the mounting plate are cut away at 6 and 7 respectively to

provide clearances for the thumb and one finger of a human hand during manipulation of the stem for setting or winding the watch.

The mounting plate is slidably mounted on the case A and the cigarette lighter, and as shown said case has a guide groove L of a depth substantially equal to the thickness of the mounting plate, said groove having undercut side walls 8 to nicely slidably receive correspondingly shaped edge portions 9 of the mounting plate as best shown in Figures 2 and 5. Conveniently the groove L opens through the opposite sides of the cigarette lighter case, although this is not necessary, it being required only that the groove open through one side of the cigarette lighter case.

The mounting plate is of such dimensions and the opening 1 and slot 4 are so related to the mounting plate that said mounting plate may be slid into the groove L and the crown 10 of the watch will be disposed wholly within the boundaries of the case of the cigarette lighter. As shown in Figure 1, the end of the crown is approximately flush with one side surface of the cigarette lighter, while the periphery of the crown is approximately flush with the plane of the front surface of the mounting plate J which is also flush with the front surface of the cigarette lighter. With the parts in this position, the stem and crown are protected against becoming entangled with extraneous articles and against blows. When it is desired to wind or set the watch, the mounting plate is pushed partially out of the groove L beyond the side of the cigarette case juxtaposed to the watch crown, as shown in Figure 4, whereupon the periphery of the crown can be easily gripped between the thumb and index finger of the hand and manipulated as desired. To limit the sliding movement of the mounting plate in both directions, a stop screw 11 may be fitted in the wall of the cigarette case with one end disposed in a groove 12 in the bottom surface of the mounting plate. Obviously the movement of the mounting plate will be limited by engagement of the ends of the groove 12 with the stop screw 11.

It will be observed that the watch will be firmly held in position by the walls of the opening in the mounting plate and between the flange 3 of the mounting plate and the wall 13 of the cigarette lighter case, as best shown in Figure 5. Preferably there will be sufficient friction between the parts to hold the mounting plate in the desired positions, and in some cases special friction producing devices such as springs may be utilized. Also it is possible to provide catches for positively holding the mounting plate in its movement and in its adjusted positions.

A modification of the invention is shown in Figure 7 where the article M having the watch mounted thereon may be either a cigarette lighter, a cigarette case or some other device. In this form of the invention the mounting plate N is in general similar to the mounting plate J, and differs primarily in the formation of its edges by which the plate is mounted in the article M.

As shown, the longitudinal edges of the mounting plate have rabbets 14 to slidably engage flanges 15 on the corresponding sides of the groove O in the article M. The opposite longitudinal edge of the mounting plate is formed with a notch 16 at one end to cooperate with the head of a screw 17 in the article M for limiting sliding movement of the mounting plate in one direction into the groove O. A similar but somewhat longer notch 18 is provided at the other end of said edge of the mounting plate to cooperate with another screw 19 in the article M for limiting movement of the mounting plate out of the groove as best shown in Figure 9. The length of the notch 18 is sufficient to permit the mounting plate to be pulled the desired distance out of the groove for manipulation of the crown and stem.

Figure 13 shows the manner of initially inserting the mounting plate into the groove O, the stop screw 17 being removed to provide clearance for the edge of the mounting plate.

Other modifications in the construction of the article and the mounting plate and in the manner of mounting the plate in the cigarette lighter or other article will occur to those skilled in the art as within the spirit and scope of the invention; and manifestly the invention contemplates the combination of the watch with any desired article whose nature is suitable for the mounting of a watch thereon.

We claim:

1. The combination of a casing having two adjacent angularly related walls, a watch having a case, a stem, and a crown, and means mounting said watch case on one of said walls with the periphery of said crown approximately flush with the surface of said wall and with the outer end of said crown approximately flush with the surface of the other of said walls, whereby said crown is protected against injury, said mounting means being adjustable to move said crown outwardly beyond the surface of the second-mentioned wall for manual manipulation, and including a plate slidably mounted on the first-mentioned wall and in which said watch case is mounted, said plate having one edge normally flush with the second-mentioned wall and formed with a notch opening through said edge and through opposite sides of the plate, said watch crown being disposed in said notch normally with its outer end approximately flush with said edge of the plate and with its periphery approximately flush with the outer side of the plate, and at least one side of said plate being recessed at the edges of said notch to form finger clearance for manual manipulation of said crown.

2. The combination of a casing having two adjacent angularly related walls, a watch having a case, a stem, and a crown, and means mounting said watch case on one of said walls with the periphery of said crown approximately flush with the surface of said wall and with the outer end of said crown approximately flush with the surface of the other of said walls, whereby said crown is protected against injury, said one of said walls having a groove opening through the other wall, and said mounting means including a plate slidable in said groove and having an opening in which said watch is mounted so that upon sliding of said plate in one direction said crown will be moved outwardly beyond the surface of the second-mentioned wall for manual manipulation, and means for limiting sliding movement of said plate.

3. The combination of a casing having two adjacent angularly related walls, a watch having a case, a stem, and a crown, and means mounting said watch case on one of said walls with the periphery of said crown approximately flush with the surface of said wall and with the outer end of said crown approximately flush with the surface of the other of said walls, whereby said crown is protected against injury, said one of said walls having a groove opening through the other wall, said mounting means including a plate

slidable in said groove and having an opening in which said watch is mounted so that upon sliding of said plate in one direction said crown will be moved outwardly beyond the surface of the second-mentioned wall for manipulation and said opening having an inwardly extending flange at its end adjacent the outer side of said plate forming a seat for the face side of said watch case, the other side of the watch case being exposed at the other end of said opening and frictionally engaging the bottom wall of said groove, whereby said watch is held in position between said flange and said bottom wall of the groove.

4. The combination as defined in claim 3 wherein said plate has one edge normally flush with the second-mentioned wall and formed with a notch opening through at least one side of the plate, said watch crown being disposed in said notch normally with its outer end approximately flush with said edge of the plate and with its periphery approximately flush with said side of the plate, and at least said side of the plate being recessed at the edges of said notch to form finger clearance for manual manipulation of the crown.

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JOSEPH KAINEN.

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