July 25, 1939. S. J. GOLDIN 2,167,109

ILLUMINATED WATCH CLIP AND MIRROR

Filed March 31, 1937

Fig. 1

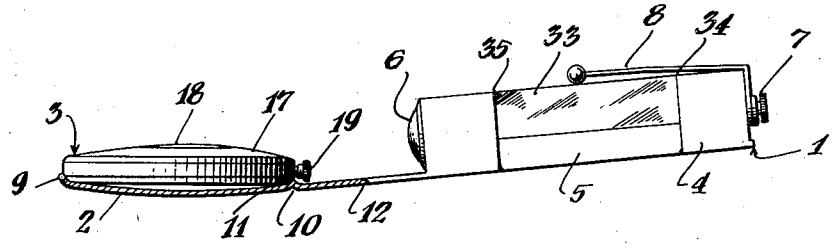


Fig. 2

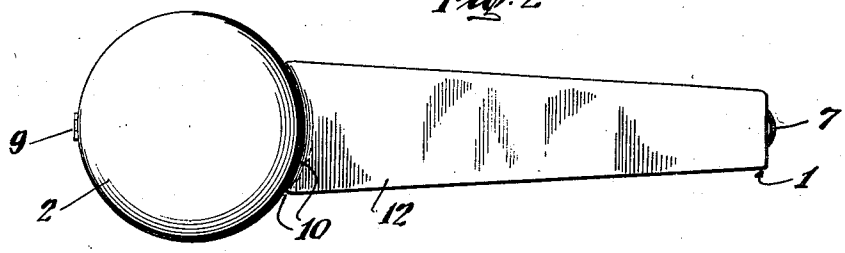


Fig. 3

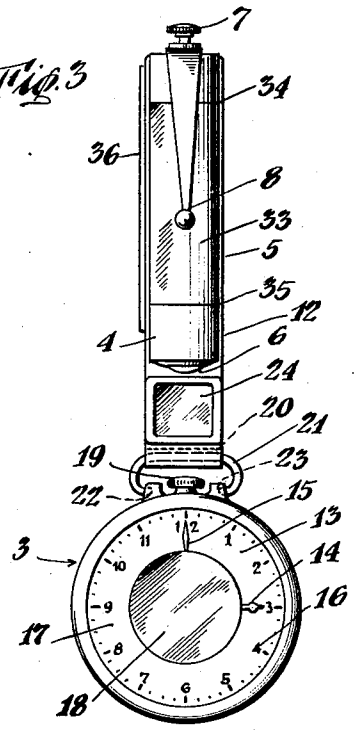
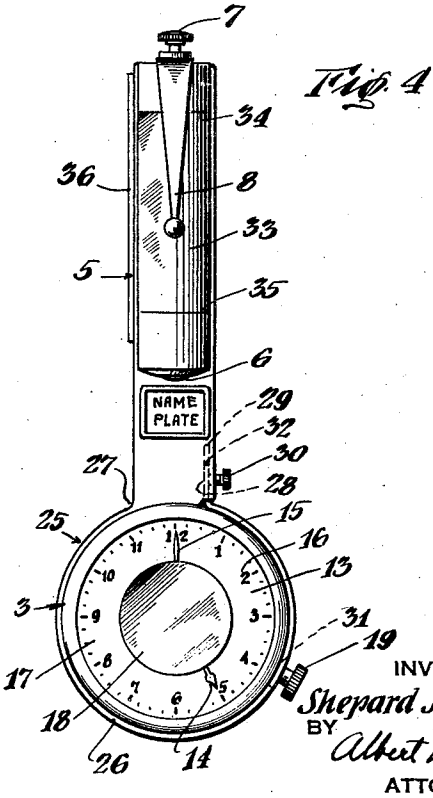


Fig. 4



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ILLUMINATED WATCH CLIP AND MIRROR

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4 Claims. (Cl. 240—6.43)

This invention relates to an improvement in watches.

One of the objects of the present invention is the provision of a source of light such as a small cell and bulb mounted in a frame carrying a watch so as to cast a light upon the face of the watch when it is desired. Furthermore, this light may be used as an independent source of light to illuminate other objects.

A further feature of the present invention is that the crystal of the watch is provided with a mirror which extends over a substantial portion of the crystal yet leaves sufficient of the dial exposed to readily ascertain the time.

Another feature of the present invention is a clip attaching means which renders the watch readily accessible and at the same time prevents its loss.

Although the novel features which are believed to be characteristic of this invention will be particularly pointed out in the claims appended hereto, the invention itself, as to its objects and advantages, and the manner in which it may be carried out, may be better understood by referring to the following description taken in connection with the accompanying drawing forming a part thereof, in which:

Fig. 1 is a side plan view of one form of the invention;

Fig. 2 is a plan view of the back of the improved watch;

Fig. 3 is a top plan view of a modified form of the invention; and

Fig. 4 is a top plan view showing a means of attaching the watch and clip.

In the following description and in the claims, various details will be identified by specific names for convenience, but they are intended to be as generic in their application as the art will permit. Like reference characters denote like parts in the several figures of the drawing.

Referring now to the drawing, the invention comprises generally a frame 1 having one end bent to form a case 2 for a watch 3. The other portion of the frame 1 may be bent up to form a receptacle 4, preferably rounded and adapted to contain electric cells 5 to provide energy for a bulb 6 which is held in the receptacle by suitable means. The receptacle is provided with a switch 7 to control energization of the light bulb 6. The receptacle may be provided with a clip 8 adapted to secure the device to the clothing of the user.

The frame 1 may be provided with a hinge as at 9 intermediate the watch case 2 and the frame to permit opening of the back of the watch to gain access to the mechanism. To hold the watch case 2 in closed position against the frame 1, the frame may be bent in as at 10 to seat in a bezel 11 in the frame 1 of the watch 3. It is of course understood that this bent in portion extends around the periphery of the bezel.

The shank portion 12 of the frame 1, intermediate the light 6 and watch 3 is preferably bent slightly to aid in throwing the light rays upon the dial 13 of the watch, thus illuminating the hands 14 and 15 and the numerals 16, making it easier to ascertain the time in the dark.

The watch 3 in addition to the hands 14 and 15, case 2, dial 13, numerals 16 and winding stem 19, is provided with a crystal 17 which may have mounted thereon a mirror 18. The mirror is preferably concentric with the crystal, but of a slightly smaller diameter than the crystal thus leaving visible the ends of the hands 14 and 15 and the numerals 16.

The present invention provides an illuminated watch and mirror in a compact article. The cells and bulb which comprise the source of light need only be about as long as the average fountain pen cap and the total length of the frame 1 holding a watch and light is about equivalent to the length of a fountain pen. The improved device may be carried conveniently in a vest pocket and is readily accessible and because of the clip is held firmly against loss.

It may be desirable to make the frame carrying the light independently of the watch so that it can receive watches which are already in use. For this purpose there is shown in Fig. 3 a modified form of the invention having the receptacle 4, cells 5, bulb 6, switch 7 and clip 8 with a bore 20 extending through the shank portion 12 adjacent one end. The ordinary bail 21 may be passed through this bore and grip the watch in the conventional manner as at 22 and 23.

In the shank portion 12 of the frame may be interposed a magnifying glass 24 which will greatly improve the usefulness of the watch. Frequently in looking up telephone numbers the books are located in a dimly lighted place and with the present invention the light can be used to illuminate the book and the magnifying glass to bring out the numbers more clearly for persons of poor eyesight. While a magnifying glass is shown, a mirror, reflector or similar device may be substituted for the magnifying glass.

In Fig. 4 is shown a modification of the device having the general parts shown in the drawing, but having substituted for the hinge 9 or bail 21 a detachable connecting member 25 which

comprises preferably a somewhat flexible metallic band **26** secured at one end **27** to the frame **1**. The other end **28** of the band **26** is adapted to be inserted in a sleeve **29** located in the end of the frame **1**. A screw **30** is located in the side of the frame **1** in such position that by turning it the end of the screw will press the end **28** of the band **20** against the wall of the sleeve **29**. The band **20** may be provided as at **31** with an opening adapted to receive the winding stem **19** of a watch **3**.

To effect engagement of the frame and light receptacle with a watch the watch is held against the end of the shank portion **12** of the frame **1** and the band **20** is wrapped firmly about the watch, and the end **28** inserted in the sleeve **29**. The band is pulled tightly against the watch case and then the screw **30** is set up to firmly grip the end **28** of the band **20**. The end of the band may be serrated as at **32** to more effectually secure it in the sleeve **29**.

There is shown in Fig. 4 a name plate located on the shank **12** intermediate the watch and light. This plate may be used to display the maker's or owner's name or for various other purposes and of course is applicable to the other species herein shown.

The receptacle **4** may be ornamented as shown at **33** or this space may be used for tables of various matter. The receptacle may have slots as at **34** and **35** adapted to receive matter to hold it for ready reference.

The frame **1** may be provided longitudinally with a groove or stud **36** adapted to receive a cooperating stud or sleeve to affix various items thereto.

Thus the invention presents a case of novel construction with a reliable source of light held in such a position as to light a watch which may be engaged in or by the other end of the case. Furthermore, the invention presents a readily accessible mirror which improves the appearance of the watch and at the same time because of the watch crystal being convex will encompass a large image. The whole case is of about the same length as an ordinary fountain pen and can therefore be carried neatly and securely in a vest pocket of a man's clothing.

The watch and frame being adapted to be made detachable can be separated and in instances when it is not desired to carry the watch on the frame, the two can be carried and used independently.

What is claimed is:

1. An elongate frame comprising a receptacle extending therealong from a point adjacent one end thereof, a light bulb in the end of said receptacle disposed adjacent the middle of said frame, electric cells located in said receptacle for energizing said bulb, a watch mounted in said frame adjacent the other end thereof, said frame shaped and said bulb so located that a minor portion of the rays therefrom shine on said watch and the major portion are directed away from the frame, said frame forming a part of the receptacle for said light bulb and said watch.

2. An elongate frame comprising a receptacle extending therealong from a point adjacent one end thereof, a light bulb in the end of said receptacle disposed adjacent the middle of said frame, electric cells located in said receptacle for energizing said bulb, a watch mounted in said frame adjacent the other end thereof, said frame shaped and said bulb so located that a minor portion of the rays therefrom shine on said watch and the major portion are directed away from the frame said frame forming a part of the receptacle for said light bulb and said watch, the portion of said frame forming the case for said watch being releasably connected to said frame.

3. An elongate frame comprising a sleeve extending along one edge thereof and a receptacle extending along said frame from a point adjacent one end thereof, a light bulb and an electric cell to energize said bulb located thereon, a watch case and watch extending along said frame from a point adjacent its other end and spaced from said light containing receptacle, and lying within the rays cast by said light bulb, said frame forming a part of said receptacle and watch case.

4. An elongate frame comprising a receptacle extending therealong from a point adjacent one end thereof, a light bulb and an electric cell to energize said bulb located thereon, means on the other end of said elongate frame comprising a relatively narrow band of flexible material permanently secured to said frame at one end and adapted to be detachably connected to said frame at its other end thereby to detachably connect said frame to a watch, said frame forming a part of said receptacle and said watch case.

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