No. 706,204. Patented Aug. 5, 1902.

G. M. SAWYER.

WATCH WINDING DEVICE.

(Application filed July 31, 1901.)

(No Model.)

Fig. 1.

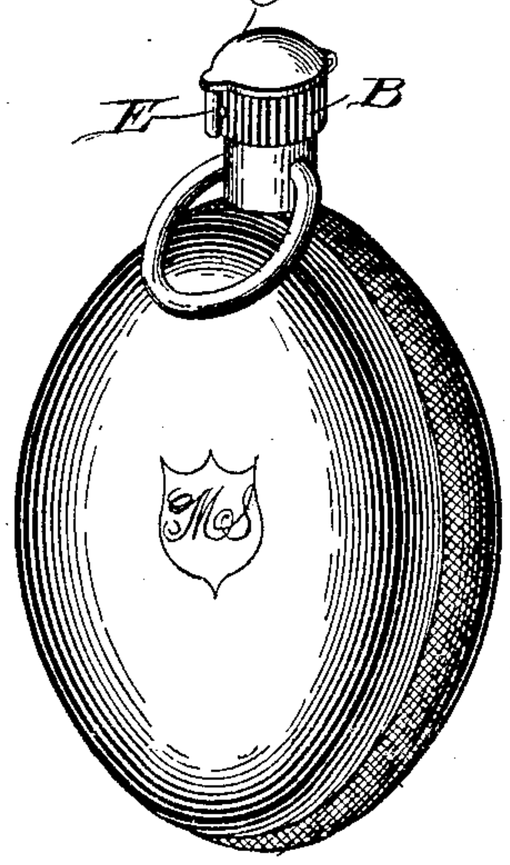


Fig. 2.

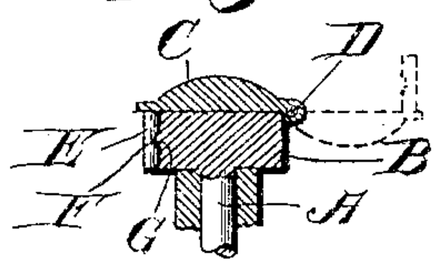
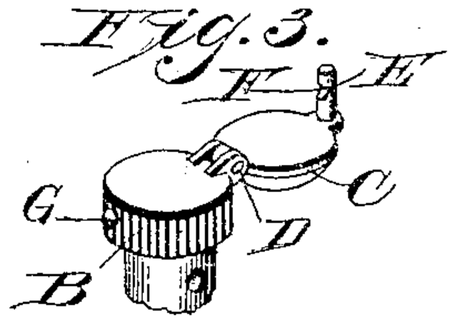


Fig. 3.



WITNESSES:

Louis D. Heinrichs

L. F. Morrison

INVENTOR

George M. Sawyer

BY

W. Preston Williamson

ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE M. SAWYER, OF SCHROON LAKE, NEW YORK.

WATCH-WINDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 706,204, dated August 5, 1902.

Application filed July 31, 1901. Serial No. 70,388. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. SAWYER, a citizen of the United States, residing at Schroon Lake, county of Essex, and State of New York, have invented a certain new and useful Improvement in Watch-Winding Attachments, of which the following is a specification.

My invention relates to a new and useful improvement in watch-winding attachments, and has for its object to provide the stem of a watch with a hinged cap and retaining-pin, so that when the cap is thrown back this cap, together with the retaining-pin, will form a crank, by which the watch can be quickly and easily wound, and when the cap is closed in its normal position it will have the same appearance as an ordinary head upon the stem.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a watch with my attachment applied thereto, it being shown in its normal position; Fig. 2, a vertical section of the upper end of the stem, showing my attachment applied thereto, it being shown in its normal position in full lines and in its operative position in dotted lines; and Fig. 3, a perspective view of the upper end of the stem of the watch, showing the cap thrown back.

In the drawings, A represents the winding-stem of a watch, which has a milled head B secured upon its upper end.

C is a cap which is hinged to the head B at the point D. This cap may be curved and also milled, if desired, so that when it is in the position shown in Fig. 2 the cap and the head together resemble an ordinary head upon a watch-stem. The cap C has secured to or formed with it the pin E, which has a small notch formed upon its side, and the head B has formed with it and projecting out a slight distance from it a protuberance G, which is adapted to engage the notch F and hold the cap in its normal position. When it is desired to wind the watch, the cap can be thrown back, as shown in dotted lines in Fig. 2 and full lines in Fig. 3, a suitable stop being provided, so as to hold it in a horizontal position. When in this position, the cap C and the pin E can be used as a crank by grasping the pin and turning the stem. The watch can be wound in the ordinary way when the cap is closed by turning the head.

The advantage of my invention is particularly apparent in cheap watches, in which a large and long mainspring is utilized, as it takes considerable time to wind such a watch in the usual way. By means of the crank the watch can be wound much more quickly and easily than in any other manner, and when the cap is closed in its normal position it does not detract from the appearance of the watch.

Of course I do not wish to be limited to the exact construction here shown, as slight modifications could be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

1. In a winding attachment for watches, the combination with a winding-stem and its head, of a cap hinged to the head, a pin carried by the cap having a notched edge and a protuberance on the head engaging the pin, substantially as described.

2. In a stem-winding attachment for watches, a winding-stem and its head, ears formed with the head, a cap having a lug hinged to the ears, a pin projecting from the edge of the head, a pin carried by the cap and standing at right angles to the surface thereof, said pin having a recess to receive the pin of the head as for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

GEORGE M. SAWYER.

Witnesses:
FRED. R. POTTER,
CHARLES L. WEEKS.