F. G. GRUEN.

WRIST WATCH.

APPLICATION FILED MAY 29, 1918.

1,303,888. Patented May 20, 1919.

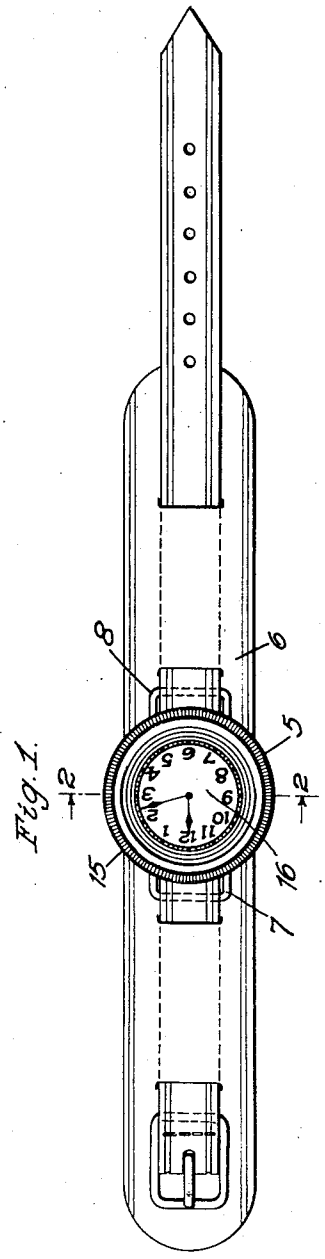


Fig. 1.

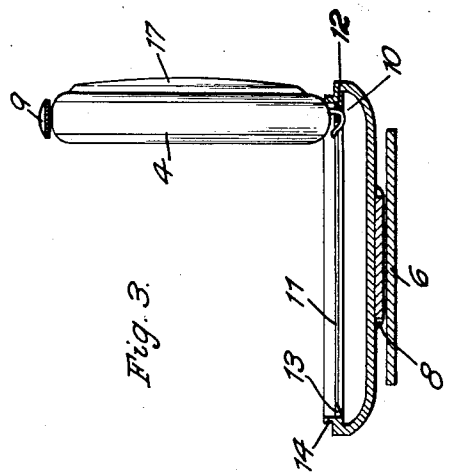


Fig. 3.

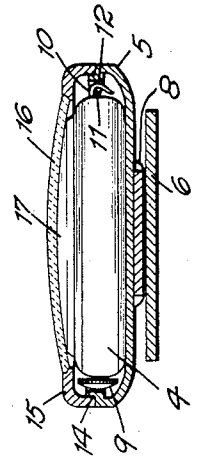


Fig. 2.

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UNITED STATES PATENT OFFICE.

FREDERICK G. GRUEN, OF CINCINNATI, OHIO, ASSIGNOR TO THE D. GRUEN WATCH COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO.

WRIST-WATCH.

1,303,888. Specification of Letters Patent. Patented May 20, 1919.

Application filed May 29, 1918. Serial No. 237,189.

To all whom it may concern:

Be it known that I, FREDERICK G. GRUEN, a citizen of the United States of America, and resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Wrist-Watches, of which the following is a specification.

An object of my invention is to produce an improved wrist watch which is particularly adapted for use in positions where the wearer is exposed to the weather, as in the trenches employed in modern warfare, where the necessity of accurate time keeping is of vast importance when certain movements are to be carried out following a preparatory barrage or other maneuver.

This and other objects are attained in the wrist watch described in the following specification and illustrated in the accompanying drawing, in which;

Figure 1 is a plan view of a watch embodying my invention.

Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1, the case directly containing the watch movement, being shown in elevation.

Fig. 3 is a view similar to Fig. 2, but showing the case which directly contains the watch movement, moved to a position which will permit of its being wound, a portion of the elements shown in Fig. 2, having been removed.

My improved watch consists of an inner case 4 containing the watch movement, located within an outer case 5, which is secured to a wrist strap 6 by means of a pair of loops 7 and 8, extending from the opposite sides of the outer case.

The inner case is provided with the usual winding and setting stem 9 upon one side, while diametrically opposite this a hook 10 is located. The outer case has an inwardly extending annular flange 11 which is provided with an opening 12 into which the hook 10 is hooked, a notch 13 being provided in the flange diametrically opposite the opening, for the reception of the winding stem. Screw threads 14 are provided on the receptacle portion of the case for coöperation with screw threads formed on the bezel 15 of the case, so that the outer case may be closed tightly upon the inner case to exclude water and dirt, the outer crystal 16 bearing upon the inner crystal 17 to prevent movement of the inner case within the outer.

In winding or setting the watch contained within the outer case, it is but necessary to unscrew the bezel of the outer case and to lift the watch proper to the position disclosed in Fig. 3. If it is desired to remove the watch proper completely, it is lifted directly from the case, thereby detaching the hook from the flange aperture.

Having thus described my invention, what I claim is;

A waterproof military wrist watch comprising an outer case having a flange with a notch and an aperture at diametrically opposite points, an inner case with a winding stem and diametrically opposite the stem a hook adapted detachably to engage the aperture of the flange, and a bezel having a crystal therein, adapted hermetically to seal the outer case and to retain the inner case therein.

In testimony whereof, I have hereunto subscribed my name this 24th day of May, 1918.

FREDERICK G. GRUEN.

Witnesses:
W. THORNTON BOGERT,
WALTER F. MURRAY.