

G. HART.
WATCH STEM.

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915,433.

Patented Mar. 16, 1909.

Fig. 2.

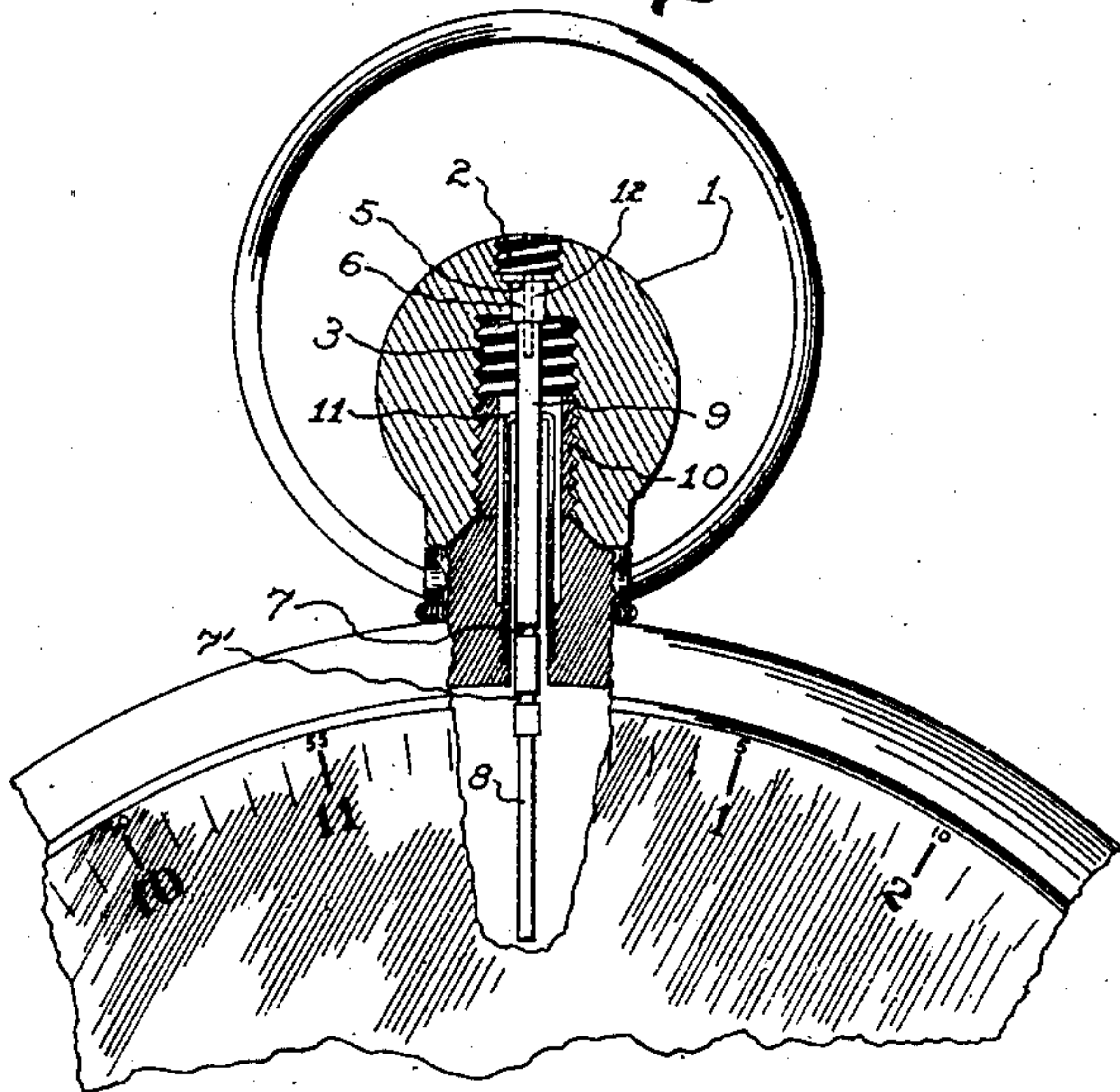


Fig. 1.

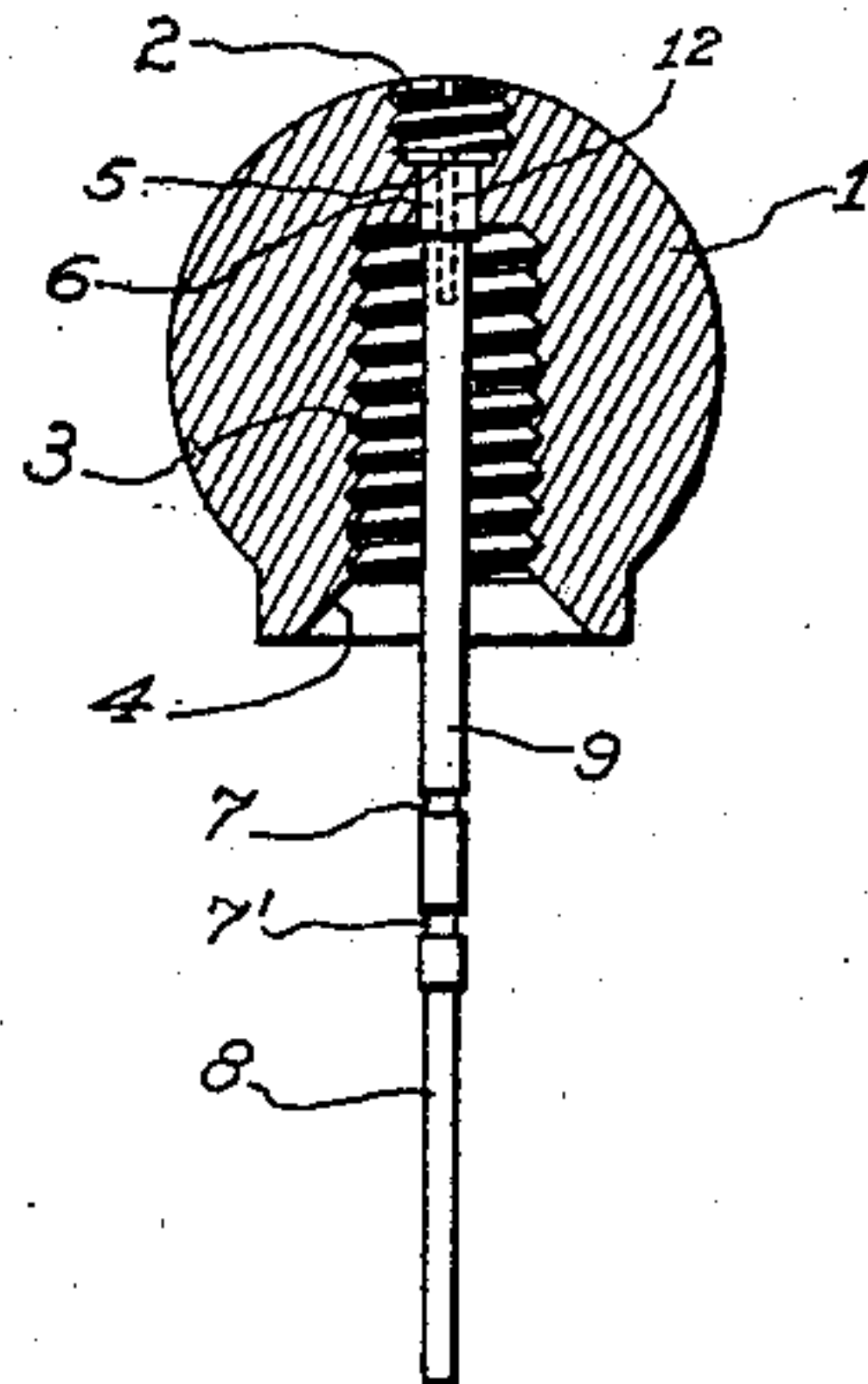
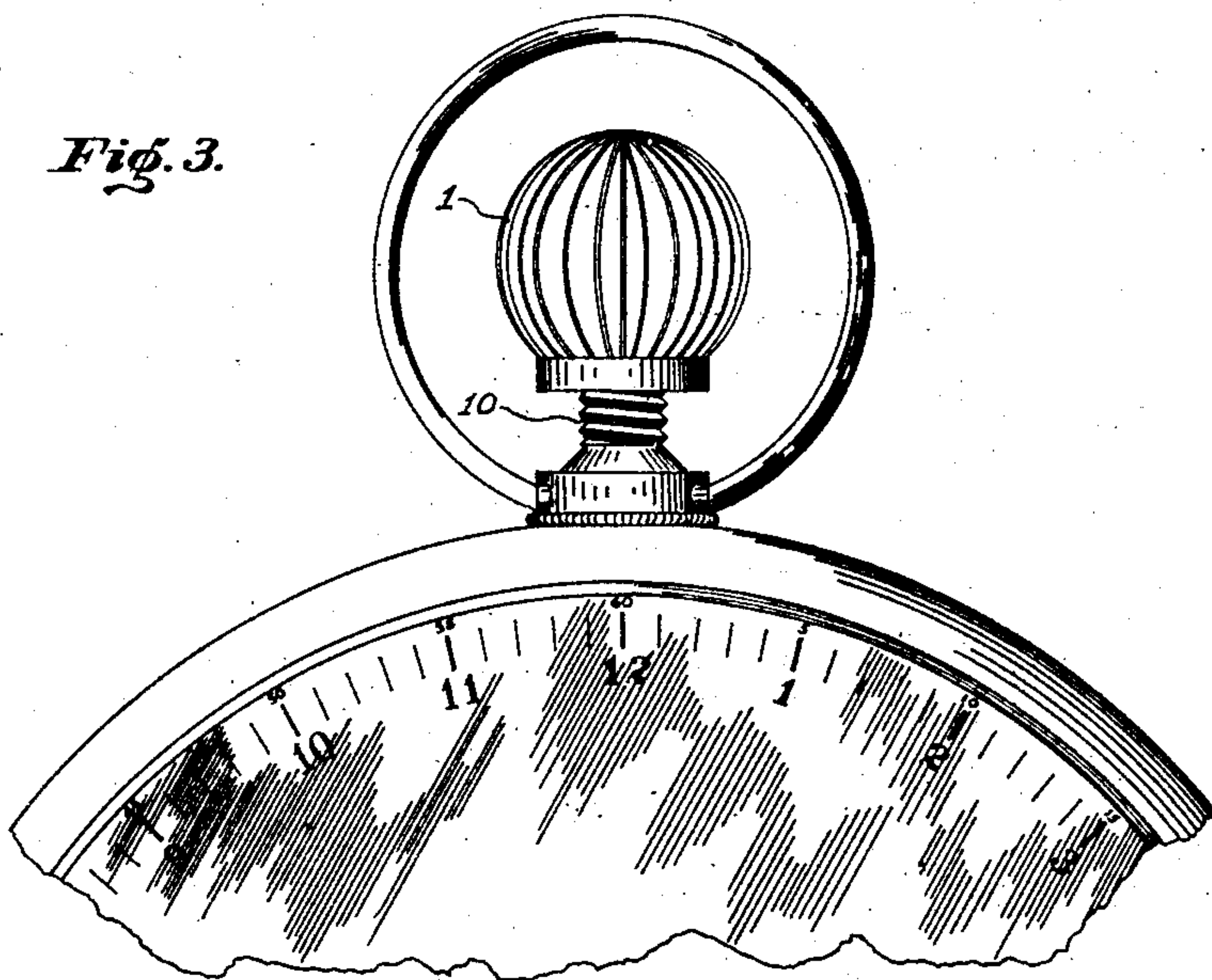


Fig. 3.



Witnesses.

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GEORGE HART, OF PUEBLO, COLORADO.

WATCH-STEM.

No. 915,433.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE HART, a citizen of the United States, residing at Pueblo, in the county of Pueblo and State of Colorado, have invented certain new and useful Improvements in Watch-Stems; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in watch stems in which the pendant is screw-threaded to take a screw headed hood that carries the winding stem, and the objects of my improvements are: 1st. To provide a means of making a watch stem of a stem winding watch, water and dust proof. 2nd. To provide a hood to a stem winding watch, that may be removed from the watch when the winding apparatus is out of order. I obtain these objects by the mechanism illustrated in the accompanying drawings in which,

Figure 1 is a cross-sectioned elevation of my invention removed from a watch. Fig. 2 is a similar view of the same, applied to the pendant of a watch. Fig. 3 is a portion of a watch, in front elevation, showing position of my invention when the watch is being wound.

Similar numbers refer to similar parts throughout the several views.

The hood (1) carries winding stem (9) which is squared at (6) to fit a square aperture in the hood. A disk portion (5) on the stem (9) prevents it from passing through hood, and set screw (2) which is screw headed into the hood, holds the stem in place. The hood is provided with left hand thread (3) for engagement with thread (10) of the pendant, and the bevel (4) of the hood fits an opposite slanting surface on the pendant making a tight joint when tightly screwed down. Within the pendant, a spring clutch (11) is secured by screw-threads at its bottom which is hollow and permits stem (9) to enter the winding mechanism of the watch

and holds the stem in position while winding the watch, which I now explain.

Fig. 2 shows the position of the hood when the watch is in the owner's pocket, and to wind it, the hood (1) is turned by thumb and finger to the right, which operation unscrews it from the pendant as in Fig. 3; at this time, the hood (1) is disengaged from the threads (10) on the pendant, and the stem (9) will have been pulled outwardly until groove (7) will be engaged at (11) by the spring clutch which holds it in position, so that the winding process can proceed. When the watch is wound, the hood is pressed downward until its interior threads engage the threads of the pendant, whereupon a left hand turn is applied to it until it is turned tightly down on the beveled portion of the pendant, and a dust or water proof joint is formed or obtained.

The winding stem is provided with a long, square portion (8) to accommodate the outward movement occasioned in winding and still be in engagement with the winding mechanism of the watch. The stem may be pulled out until groove (7') is engaged by spring clutch at (11) which will release the squared end (8) from the winding mechanism, and also permits the movement to be separated from the case.

If it is desired to remove the stem and hood from the watch, without first turning the hood to the right and thereby winding the watch, set screw (2) may be removed and stem (9) withdrawn by inserting a wire in screw headed hole (12) in top of winding stem (9), whereupon the hood (1) may be turned off the pendant, without winding or disturbing the winding mechanism.

Having thus fully and accurately described my invention; what I claim as new and desire to secure by Letters Patent is:

1. In a watch stem, a hood having a recess with a screw-threaded wall, and an aperture from the outer surface to the recess, the wall of said aperture being screw-threaded, a stem in the aperture extending through the recess, a screw in the aperture for holding the stem in place, and a screw-threaded pendant adapted to receive the hood.

2. In a watch stem a hood having a recess

with a screw-threaded wall, and an aperture
from the outer surface to the recess, the wall
of said aperture being screw-threaded, a stem
in the aperture extending through the recess,
5 a screw in the aperture for holding the stem
in place, a screw-threaded pendant adapted
to receive the hood, said stem having annular
grooves therein, and a clutch extending up-

wardly to enter the grooves and hold the
stem in an adjusted position. 10

In testimony whereof, I affix my signature,
in presence of two witnesses.

GEORGE HART.

Witnesses:

C. A. BALLREICH,
J. J. CHAPPEL.