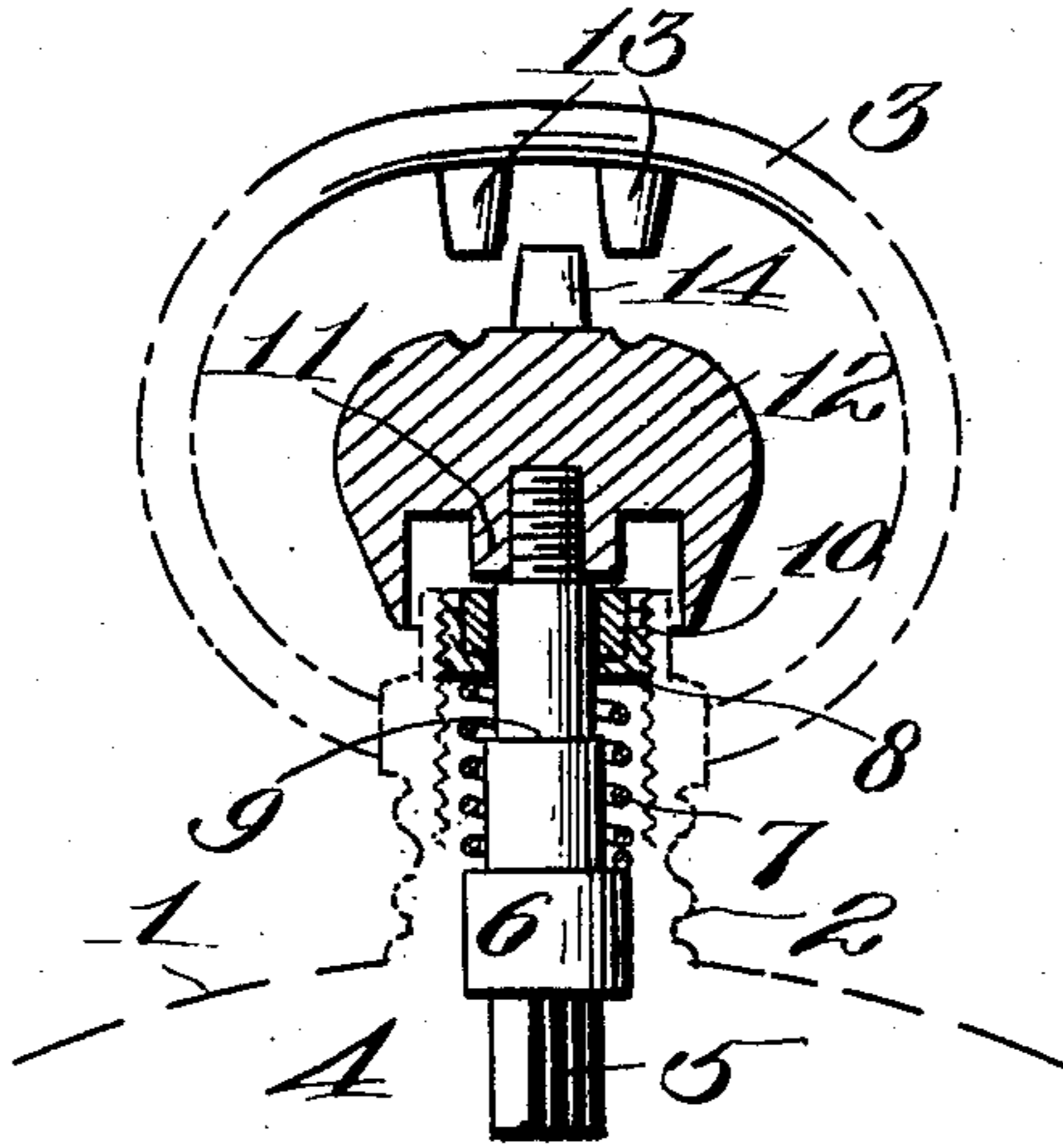


No. 773,424.

PATENTED OCT. 25, 1904.

F. C. RIES.
WATCHCASE PENDANT.
APPLICATION FILED NOV. 13, 1903.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK C. RIES, OF MACON, GEORGIA.

WATCHCASE-PENDANT.

SPECIFICATION forming part of Letters Patent No. 773,424, dated October 25, 1904.

Application filed November 13, 1903. Serial No. 181,090. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK C. RIES, a citizen of the United States, residing at Macon, in the county of Bibb and State of Georgia, have invented new and useful Improvements in Watches, of which the following is a specification.

This invention relates to watches.

The objects of the invention are in a simple and thoroughly effective manner to render the pendant dust-proof and to prevent accidental setting of the hands through movement of the winding-crown.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a watch, as will be hereinafter fully described and claimed.

In the accompanying drawing, forming a part of this specification, and in which like characters of reference indicate corresponding parts, there is illustrated one form of the invention capable of carrying out the object sought, it being understood that the elements exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the spirit thereof, and in this drawing the figure is a view in elevation, partly in section, of the watch-pendant and its coöperative parts.

Referring to the drawing, 1 designates a portion of the case of a watch having combined therewith a pendant 2 of the usual or any preferred construction and rigidly supporting a bow 4, the term "rigid" being employed to define the fact that the bow does not turn in its bearings in the pendant, as with bows of ordinary construction. Housed within the pendant is the stem 4, having the usual squared lower portion 5 for engaging the winding-pinion of the movement. Adjacent to this squared portion is an enlargement 6, upon which rests the lower end of a coiled spring 7, the upper end of the spring bearing against a cup 8, threaded into the pendant, the upper portion of the stem being circumferentially reduced to present a shoulder 9, which by contacting with the cup 8 serves to limit the outward movement of the stem. The cup

houses a washer 10, the bottom of the cup being flat to permit the washer to fit snugly thereagainst. The under side of the crown-shoulder or core 11 of the winding-crown 12 is flat, and as the said core is firmly held against the washer through the medium of the spring 7 the juncture between the parts at this point renders the pendant dust-proof.

The bow 3, as before stated, is rigid with the pendant and is provided at the inner side of its crest with a pair of lugs 13, between which the swivel of the watch-chain is adapted to fit, the winding-crown being provided with a similar lug 14, disposed between the two lugs 13, and thereby positively preventing the winding-crown from moving outward, which might result in the setting of the hands. It is designed that the space between the lug 14 and the inner side of the crest of the bow shall be sufficient to permit the chain-swivel freely to move without binding, but at the same time to prevent the winding-crown from moving outward in the manner described. By the provision of the spring 7 the winding-crown is at all times caused to impinge the upper end of the pendant with sufficient force to preclude the possibility of the entrance of dust, so that wear and tear to the stem and to the watch-movement through dust is positively prevented at this point. The cup is provided in its upper end with a nick by which it may be turned by a screw-driver, thus to effect the proper adjustment of the parts.

Having thus described the invention, what is claimed is—

1. The combination with a pendant, of a bow rigid therewith and provided at its crest with downward-projecting lugs, and a winding-crown having an upward-projecting lug disposed between the lugs of the bow.

2. The combination with a pendant and a stem housed therein, of a cup carried by the pendant with its open side outward, a washer fitted within the cup, a winding-crown having a part to engage the washer, and a spring between the cup and a fixed portion of the stem to cause positive contact between the under side of the winding-crown and the washer.

3. The combination with a watch-pendant,

of a cup threaded into the upper end thereof
and with its open side outward, a washer fitted
in the cup, a winding-stem, a winding-crown
connected with the stem and having a part to
5 engage the washer, and a spring surrounding
the stem and bearing against the cup to hold
the winding-crown and washer in close con-
tact.

4. The combination with a watch-pendant,
10 of a stem housed thereby and provided with
a shoulder, a cup carried by the pendant, and
with which the shoulder is adapted to engage

to limit the outward movement of the stem,
a winding-crown carried by the stem, and a
spring adapted to normally force said stem 15
inward.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses

FREDERICK C. RIES.

Witnesses:

GUY ARMSTRONG,
J. HOLT VIRGIN.