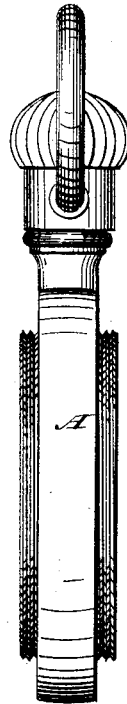


C. H. BISSON.  
Pendant for Watch-Cases.

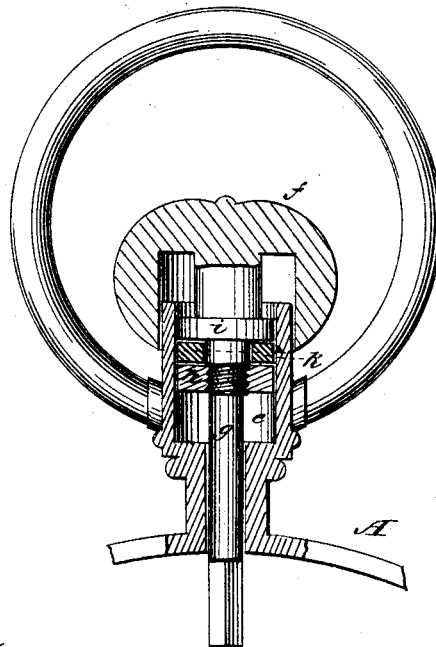
No. 219,675.

Patented Sept. 16, 1879.

*Fig. 1*



*Fig. 2.*



WITNESSES:

*Francis McComb.*  
*C. Sedgwick.*

INVENTOR:

*C. H. Bisson*

BY

*Mum & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CASIMIR H. BISSON, OF HENDERSON, MINNESOTA.

## IMPROVEMENT IN PENDANTS FOR WATCH-CASES.

Specification forming part of Letters Patent No. **219,675**, dated September 16, 1879; application filed March 10, 1879.

*To all whom it may concern:*

Be it known that I, CASIMIR H. BISSON, of Henderson, in the county of Sibley and State of Minnesota, have invented a new and Improved Watch-Case, of which the following is a specification.

The object of my invention is to construct a watch-case having all its joints air-tight, so as to thoroughly prevent access of dust to the works in the case.

The invention consists in combining, in a stem-winding watch, a flanged stem, crown, and chambered pendant with a packing-ring and nut, as hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of the watch-case. Fig. 2 is a longitudinal section through the same.

Similar letters of reference indicate corresponding parts.

*e* is the pendant; *f*, the crown; *g*, the stem attached to the crown and extending through the pendant, as usual. The pendant *e* is formed with a circular recess or chamber, and the stem *g* has cut upon it a screw-thread for a circular nut, *h*, and is also formed with a flange or collar, *i*. A packing-ring, *k*, of rub-

ber or other suitable material, is clamped between the collar *i* and nut *h*, which packing fits the chamber of the pendant tightly.

By this construction there is no opportunity for dust to enter the watch-case, and the joints can be made tight enough to exclude water. The watch-movement will be inclosed in an air-tight case, and will run without cleaning or lubrication much longer than watches having hinged joints and dust-bands as heretofore made, and which admit more or less dust.

The manner of packing the stem may also be applied in connection with a key-winding watch.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

In a stem-winding watch, the combination, with the flanged stem *g*, crown *f*, and chambered pendant *e*, of the packing-ring *k* and nut *h*, substantially as and for the purposes set forth.

CASIMIR HYACINTHE BISSON.

Witnesses:

ORRIN KIPP,  
L. KIPP.