

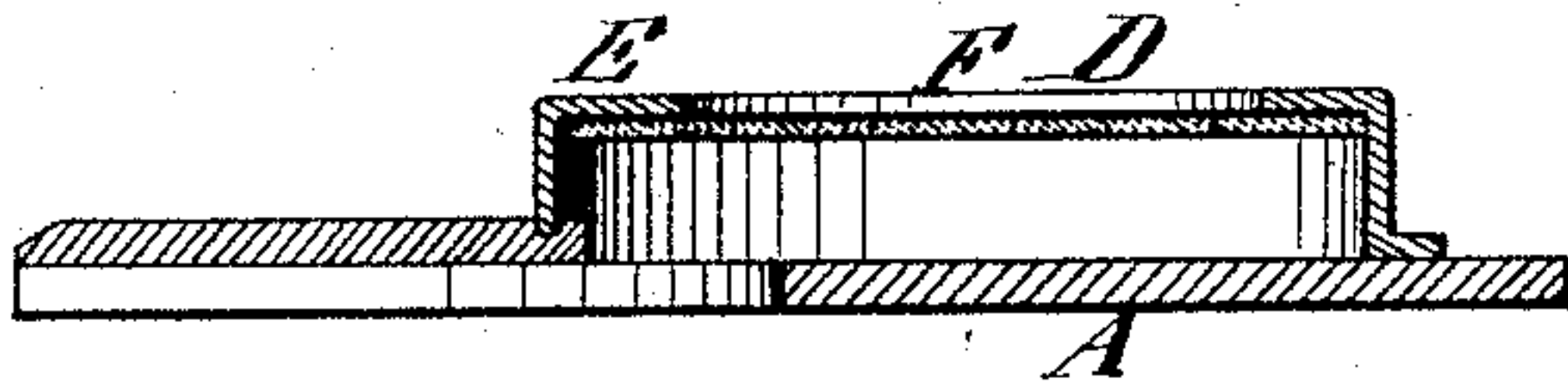
W. H. B. SCHMIED.

Dust-Caps for Watch-Regulators.

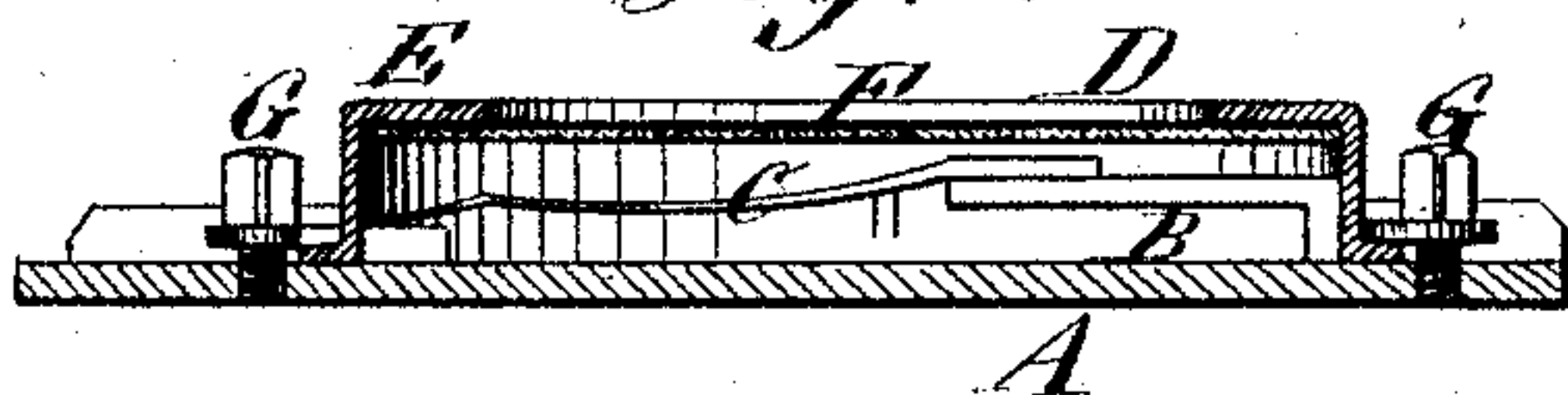
No. 156,313.

Patented Oct. 27, 1874.

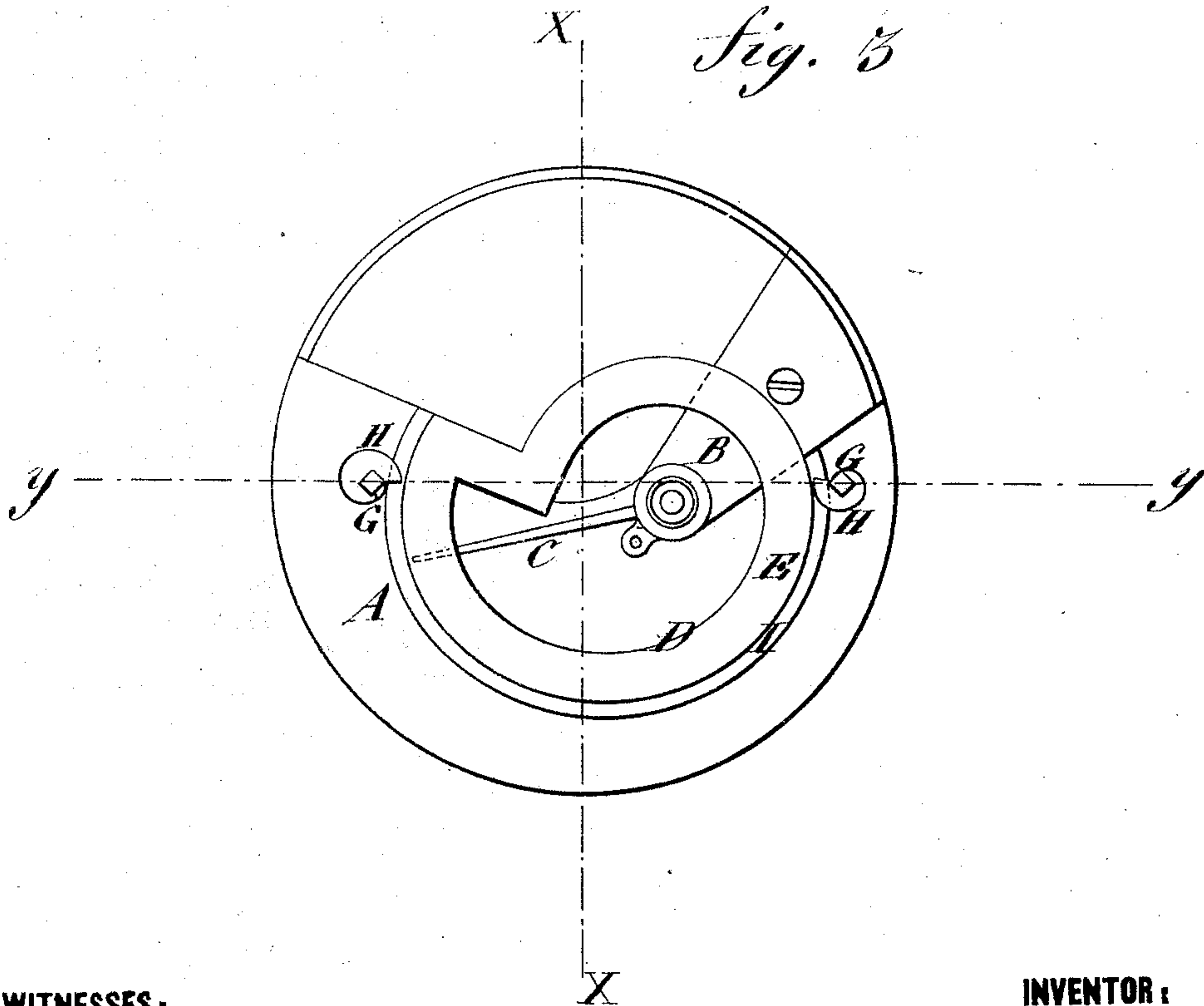
*Fig. 1*



*Fig. 2*



*Fig. 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WENZEL H. B. SCHMIED, OF NAPA, CALIFORNIA.

## IMPROVEMENT IN DUST-CAPS FOR WATCH-REGULATORS.

Specification forming part of Letters Patent No. **156,313**, dated October 27, 1874; application filed June 27, 1874.

*To all whom it may concern:*

Be it known that I, WENZEL H. B. SCHMIED, of Napa, Napa county, California, have invented a new and useful Improvement in Watches, of which the following is a specification:

This invention relates to new and important improvements in watches; and consists of a dust-cap arranged to cover and shield the hair-spring and regulator-hand, and the more delicate portions of the watch-movement. It also consists in the mode of constructing the same.

In the drawing, Figure 1 is a vertical cross-section of Fig. 3 on the line *x x*. Fig. 2 is a vertical cross-section of Fig. 3, taken on the line *y y*; and Fig. 3 is a top view, showing the dust-cap and the manner in which it is secured to the plate.

Similar letters of reference indicate corresponding parts.

A is the upper plate of the watch-movement. B is the balance-wheel bridge. C is the regulator-hand. D is the dust-cap. This cap is preferably made of a brass or with a metallic frame, E, inclosing a transparent or partially-transparent plate, F—as mica, gelatine, or any similar substance—but the cap may be made of a single piece of metal, if desired. This

frame E is tightly fitted down onto the plate A and over the bridge and fastened or kept in place by means of the square-headed screws G G. These screws have each an eccentric washer or flange, H, under the head, which, when the cap is fastened, are turned by means of a watch-key onto the narrow flange I of the cap-frame, which securely holds the cap in place. The dust-cap is, therefore, easily removed when it is necessary to obtain access to the parts which are protected by it.

By means of this cap the hair-spring and more delicate portions of the watch-movement are protected from dust and consequent injury.

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

As an article of manufacture, a dust-cap or protective covering for the regulating mechanism of a watch, constructed with a flanged base and shaped to fit over the regulating mechanism, as herein shown and described.

WENZEL HIERONYMUS B. SCHMIED.

Witnesses:

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