S. G. PARKER.

Regulator Attachment for Watch Dust-Caps.

No. 211,584. Patented Jan. 21, 1879.

Fig. 1.

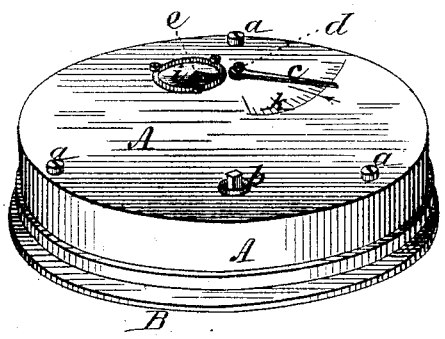


Fig. 5.

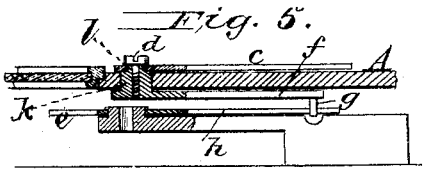


Fig. 2.

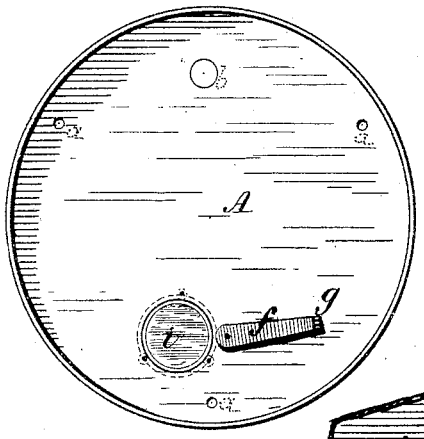
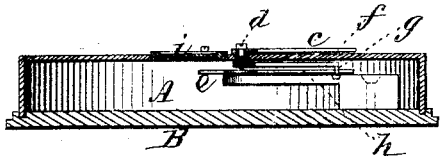


Fig. 3.



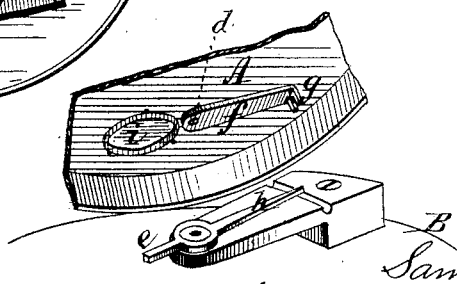


Fig. 4.

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SAMUEL G. PARKER, OF DYERSBURG, TENNESSEE.

IMPROVEMENT IN REGULATOR ATTACHMENTS FOR WATCH DUST-CAPS.

Specification forming part of Letters Patent No. **211,584**, dated January 21, 1879; application filed June 28, 1878.

To all whom it may concern:

Be it known that I, SAMUEL GREEN PARKER, of Dyersburg, in the county of Dyer and State of Tennessee, have invented certain new and useful Improvements in Dust-Caps for Watches; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which they appertain to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The invention relates to that class known as "dust-protectors" or "dust-caps" for watches.

The improvements which I have made are hereinafter specifically described, and set forth in the claims.

In the accompanying drawings, Figure 1 represents a perspective view, showing my invention as applied to its use of protecting the movements, while permitting of inspection of the regulator's action to determine its attachment with the operating-lever; Fig. 2, an interior view of the cap, showing the bifurcated or branch part of the regulator-lever and the inspection-window; Fig. 3, a section, and Fig. 4 a detail, while Fig. 5 illustrates more especially my improvements in the connections of the two levers.

The dust-cap A is integral with the usual dust-ring, and sits within a groove or collar of the plate B, which carries the works and dial. It may be fastened to the plate B in any approved manner, so that its junction be dust-proof. In the example shown the dust-cap is secured to the plate by screws or small bolts *a*, passing through and through.

The winding-arbor is provided with a dust-cup, *b*, and the dust-cap is pierced at that point only sufficient for the cup to be projected slightly, and tightly hugs said cup, so that dust cannot penetrate to the movements at that point.

An outer operating-lever, *c*, lying upon the top of the cap, is clamped to a short shouldered hub, as shown in Fig. 5, which pierces the cap A at a proper point above the position of the regulator *e*, and extends from a coincident branch lever, *f*, which branch lever has a lateral bifurcated projection, *g*, arranged to fit over the ordinary index-pointer *h* of a watch-regulator, whereby when the lever *c* is operated, so simultaneously is said index-pointer of the regulator mechanism.

Immediately above the regulator's connection with the balance-spring is an opening, *i*, or inspection-window in the dust-cap, covered by a glass bezeled in and well secured. This is for the purpose of exposing to view that end *e* of the index-pointer of the regulator which engages with the balance or hair spring, so that it may be known that the operation of regulating is taking place when the lever *c* is manipulated, or that the connection is effected, as in Fig. 1, in putting the watch together for use.

The dust-cap is adjusted by turning the bifurcated projection against the index-pointer, when the cap is slightly raised, and turning the lever *c* a little farther to bring it in position to receive the tines and lock the lever *c* with the regulator-point *h*. This can only be determined by the inspection-window.

The connection of the operating-lever *c* with the regulator-pointer *h* by means of the branch lever *f* is effected in a manner to prevent the levers *c* and *f* from being clamped to the cover, and to permit them to be easily adjusted, when required, to adjust the regulator. In Fig. 5 the construction by which this is accomplished is shown. The hub *k* from the branch lever *f* is reduced or shouldered at *l* to receive lever *c*, which is clamped thereon by the screw *d*, passing into said hub and clamping said lever *c* upon the hub-shoulder and making a dust-proof joint.

If desired, the usual scale *k* may be made upon the cap; but that is a matter of choice.

The metallic cap may be struck up, and is preferably so made.

I do not claim the provision of an external lever which communicates with the index-pointer; but

What I do claim is—

1. The combination of the external lever, its bifurcated branch, the regulator-index, and the glass-covered inspection-opening above

the balance-wheel spring-connection with said regulator, substantially as and for the purpose described.

2. The external operating-lever, *c*, clamped to the branch lever *f* by means of the shouldered hub *k l* of said branch lever, for the purpose of uniting these two parts by a dust-proof joint, and without binding either part upon the dust-cap of a watch.

In testimony that I claim the foregoing I have affixed my signature in the presence of two witnesses.

SAMUEL G. PARKER.

Witnesses:
A. E. H. JOHNSON,
J. W. HAMILTON JOHNSON.