

C. S. Moseley,

Watch.

No. 95,128.

Patented Sep. 21. 1869.

Fig. 3.

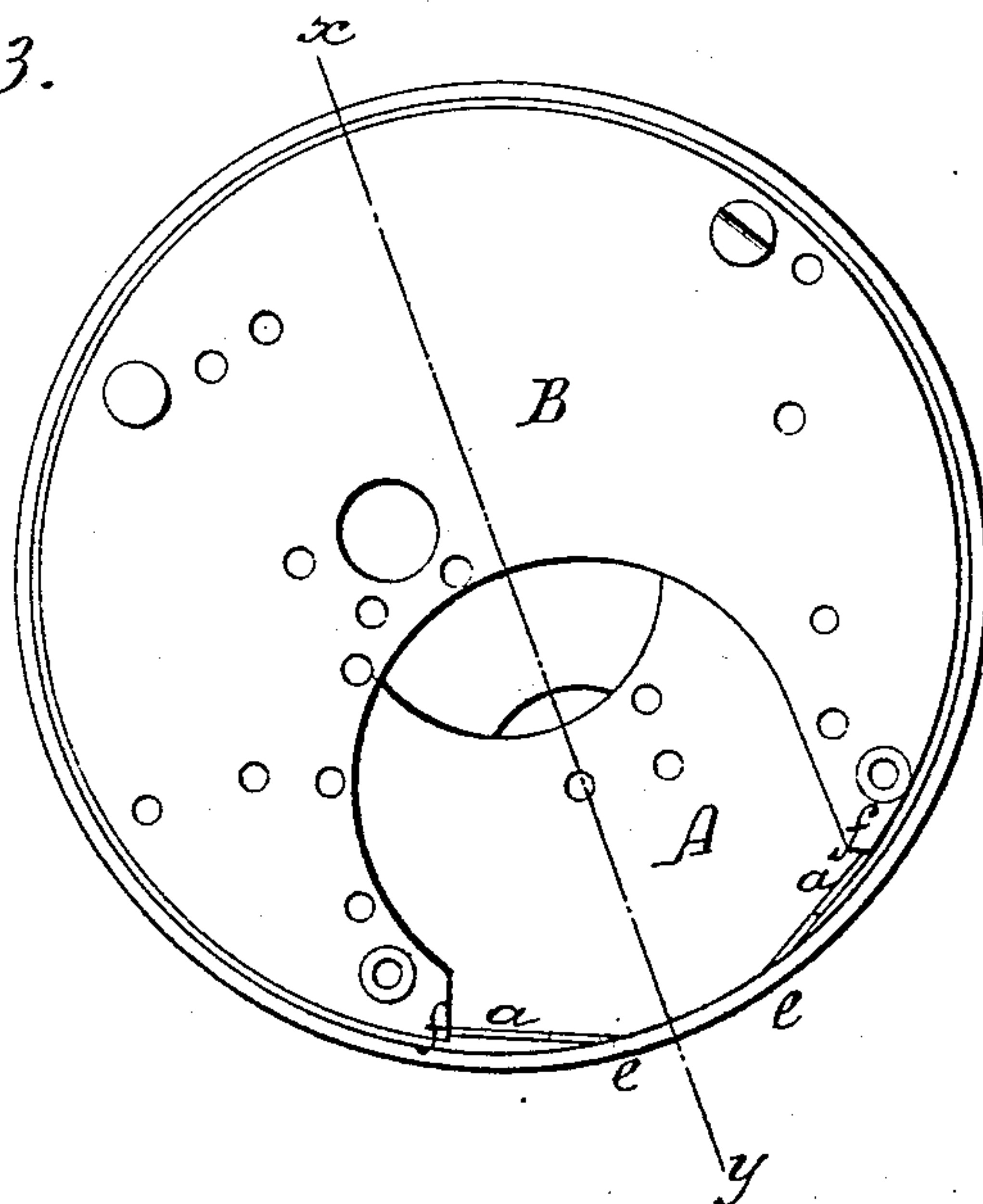


Fig. 1.

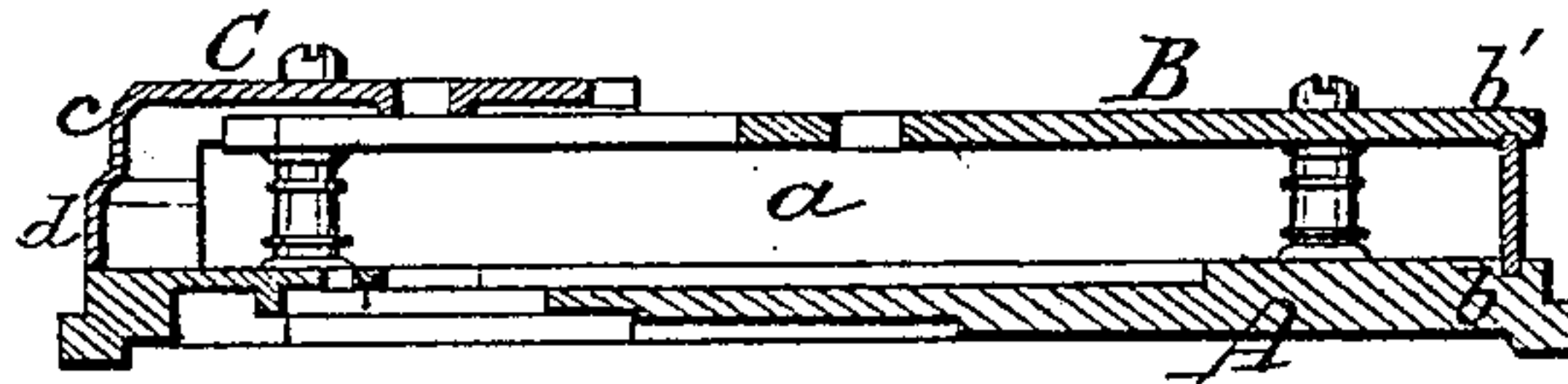


Fig. 2.



Witnesses.

E. A. West.
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United States Patent Office.

CHARLES S. MOSELEY, OF ELGIN, ILLINOIS.

Letters Patent No. 95,128, dated September 21, 1869.

IMPROVEMENT IN WATCHES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES S. MOSELEY, of Elgin, in Kane county, State of Illinois, have invented certain Improvements in Watches; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 3 is a view in which the barrel-bridge is removed.

Figure 1 is a section, through red line *x y*.

Figure 2 is a front or side view.

The running-parts of the watch are not shown in any of the figures.

The object of my invention is, the exclusion of dust from the watch-movement.

To enable others skilled in the art to make and use my improvement, I proceed to describe its construction and operation.

In the drawings—

A represents the pillar-plate, and B, the top plate of a watch.

These plates are made in the usual manner, except that on the inner face, and near the edge of each, I make a small groove, seen at *b b'*, fig. 1.

These grooves are made on the same circle, that in the top plate extending around the whole plate; but that in the pillar-plate, at or near the points *f*, diverges from the circle, and pursuing a straight line, comes out at the edge of the plate, at or near the points *e e*, figs. 2 and 3.

I provide a barrel-bridge, of peculiar construction. That part *C* which rests upon the top plate is of the usual form; but at right angles with this part *C*, is a thin piece, *c*, extending to the pillar-plate, and having a projection, *d*, which passes over the barrel.

The barrel-bridge (with the additional parts *c d* attached) is made from a single piece of metal.

The dotted lines (fig. 2) indicate the position of the ends of *c*.

It is evident that when the barrel-bridge is constructed as described, that part lettered *c d*, so far as it extends around the edge of the movement, protects the same from dust.

The protection is rendered complete by the use of two short, thin strips or ribbons of metal, *a a*, of such width as to fit into the grooves *b b'*, and of such length as to reach from the edges of the part *c* of the bridge *C* around far enough to have their ends meet on the opposite side.

These strips, or ribbons, may be made of brass, rolled out thin, or of the same material that watch-springs are made of, they being made sufficiently flexible to adapt themselves to the curve of the grooves *b b'*.

These two strips *a a*, when thus inserted, together with the projecting portion *c* of the bridge *C*, form a protection, enclosing the works, and excluding dust and dirt therefrom.

The outer ends of the strips *a a* are to be provided with a hole, or projection, into or against which to place any suitable instrument for removing the strips, when necessary.

It is obvious that, if preferred, the two strips *a a* may be made in one piece, instead of two, and used in the same manner. In any event, the ends should fit snugly against the sides of the part *c* of the bridge *C*, so as to make a tight joint at that point.

I am aware that so-called "dust-rings" are used; but my device has several advantages over these. It is more compact, and accomplishes the object more effectively.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is as follows:

1. The combination of the bridge *C*, provided with the lip *c* and the strips *a*, when arranged substantially as described.

2. Providing the plates *A B* with grooves *b b'*, substantially as and for the purposes specified.

3. The metallic strips *a a*, in combination with the plates *A B*, having the grooves *b b'*, substantially as and for the purposes specified.

CHAS. S. MOSELEY.

Witnesses:

F. H. MOSELEY,
C. L. STILES.