

O. F. STEDMAN.

Watch.

No. 67,223.

Patented July 30, 1867.

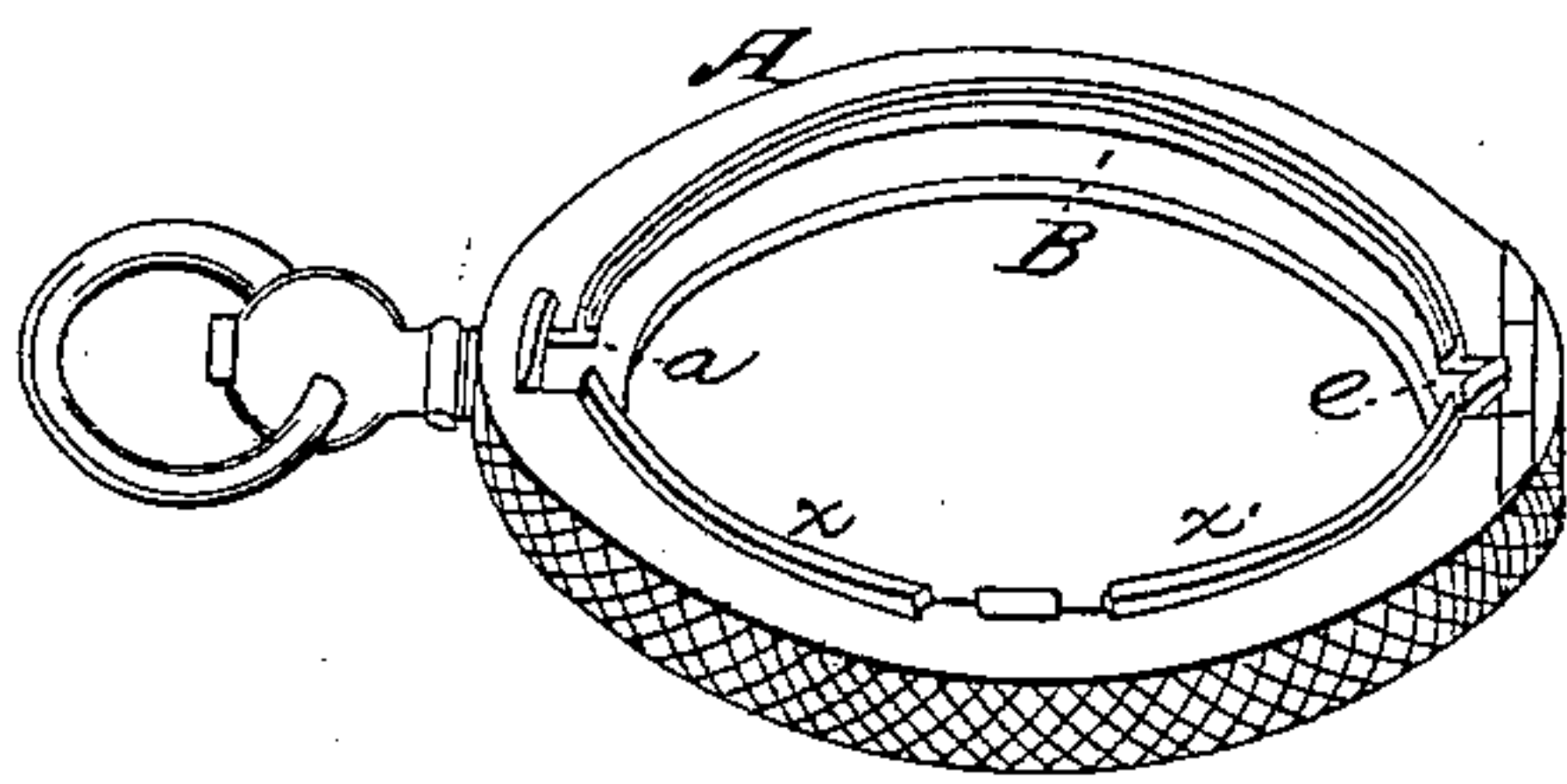


FIG. 1

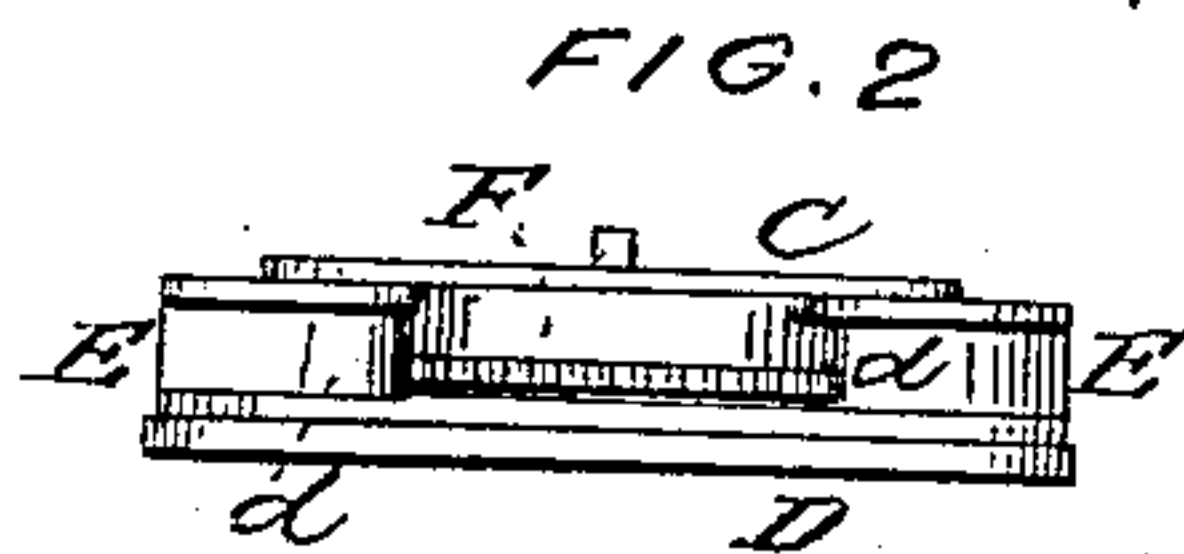


FIG. 2

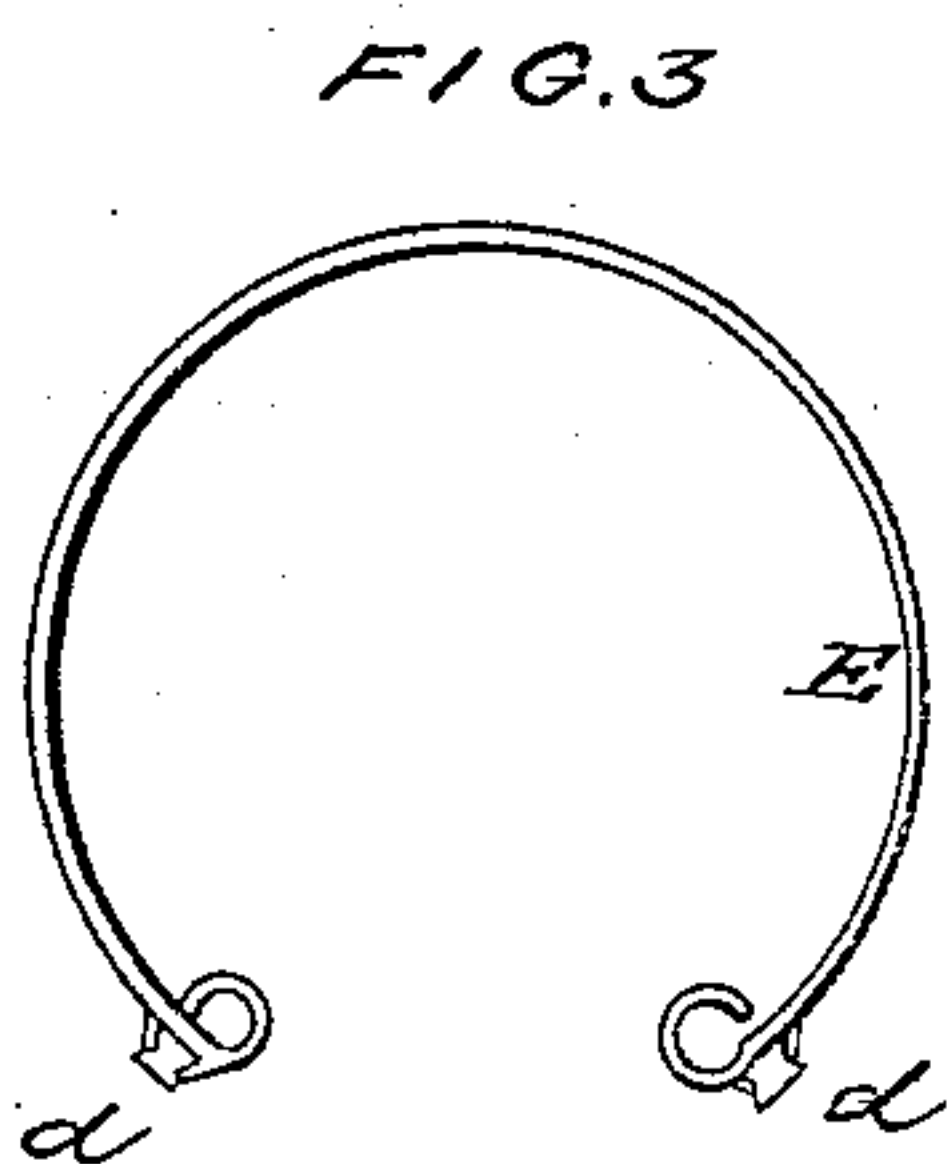


FIG. 3

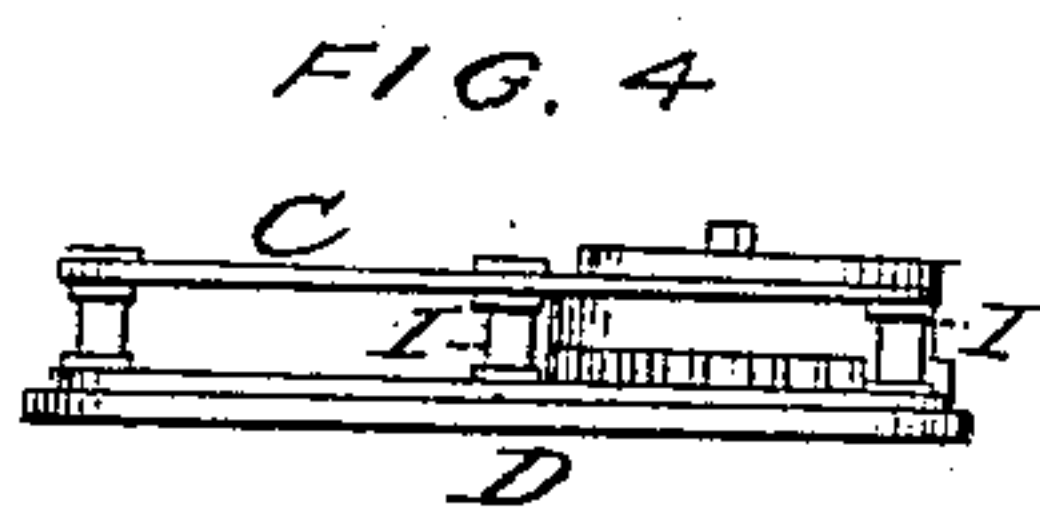


FIG. 4

WITNESSES:

A. A. Yeatman  
A. N. Marr

INVENTOR:

O. F. Stedman  
per  
Alexander & Mason  
Att

# United States Patent Office.

O. F. STEDMAN, OF RAVENNA, OHIO.

*Letters Patent No. 67,223, dated July 30, 1867.*

## 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, O. F. STEDMAN, of Ravenna, in the county of Portage, and in the State of Ohio, have invented certain new and useful Improvements in Watches; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A represents a watch-case constructed upon the plan of the American Watch Company's watches, B representing the channel of the case. C and D represent the upper and lower plates of the movement, which are provided with the usual pillars for separating and connecting them together. Between these plates is seen the barrel F, which projects a little beyond the periphery of the upper plate C.

Figure 4 represents the present mode of constructing the movement, with a space left open between the two plates, whereby dust, and dirt, &c., are allowed to enter and derange the works.

My improvement consists in closing this opening between the plates, as nearly as it can be done, by means of a thin metallic or other band or hoop spring extending around the movement and lying between the plates, having its ends caught upon the pillar posts I I. This band passes on the outside of and is kept in position by the other pillar posts. E represents this band. As the barrel projects beyond the upper plate it is not possible to have the band pass entirely around the movement and to prevent dust or dirt from passing into the works through the space around the barrel between the pillar posts I I. I use a packing of India rubber or any other suitable material between the band, near its ends and the channel, filling the channel so as to effectually exclude all dust, &c.

It will be understood that dust enters the case through the slots or openings through which the springs work to open and close the front lid of the case, and from these slots passes into the works. When this band is used around the movement with its packing to cut off the passage of dust, it must be evident that the works cannot become foul in the usual way, and that the watch can be kept cleaner and in better running order than it can without the use of this band or its equivalent. When the movement is placed in the case the packing *d d* rests in the channel at the points *x x'*; thus the dirt passing in at the slot *a* is cut off from the barrel at *x*, and that passing in the slot *e* is cut off at *x'*.

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

1. The band or spring E, with its ends embracing the pillar posts on each side of the barrel, closing the space between the plates C and D of the movement, as and for the purpose set forth.
2. The packing *d d*, in combination with the band or its equivalent, for the purpose of closing the channel, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of July, 1867.

O. F. STEDMAN.

Witnesses:

A. N. MARR,

A. A. YEATMAN.