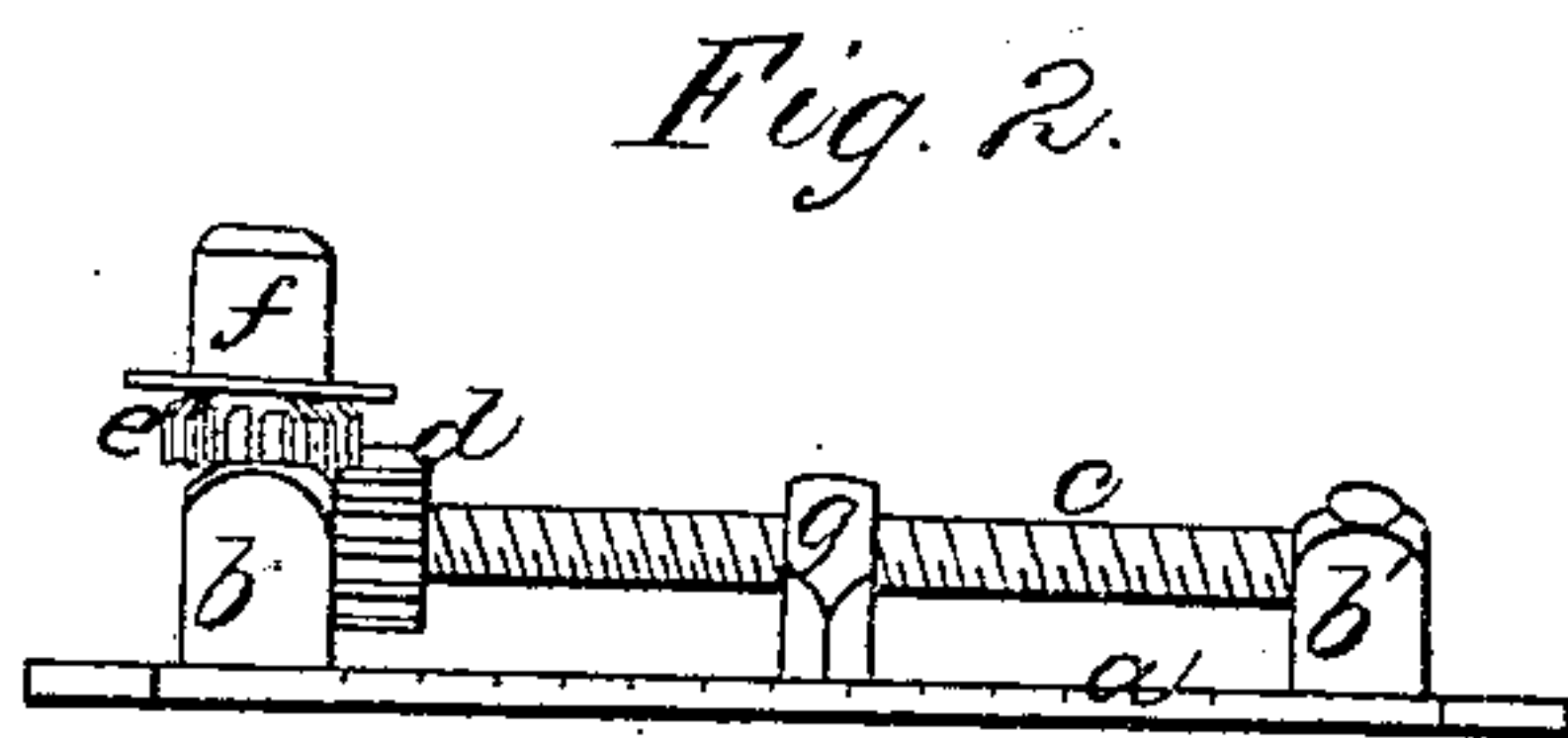
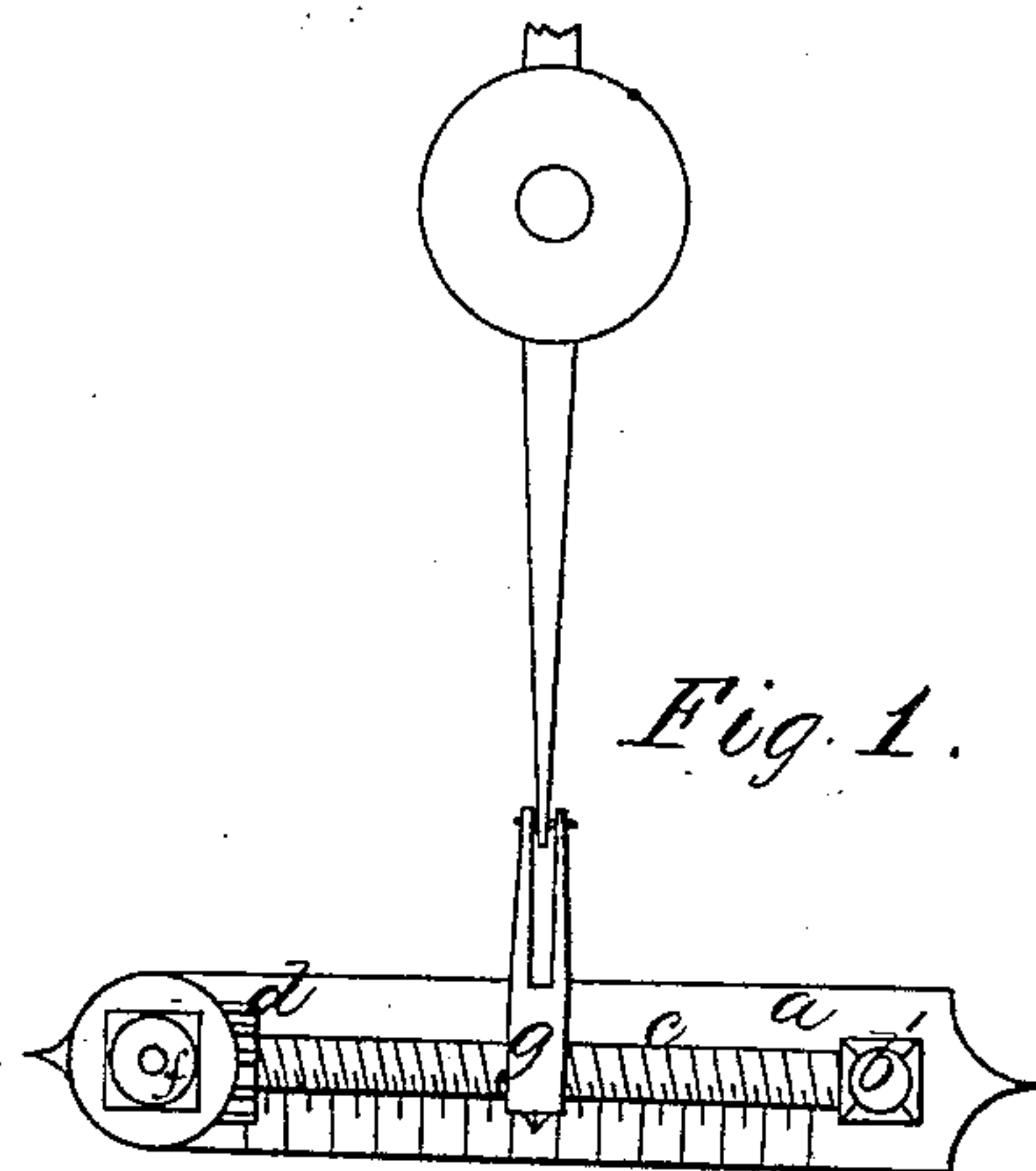


*W. B. Tucker.*

*Watch Regulator.*

*N<sup>o</sup> 68,324.*

*Patented Aug. 27, 1867.*



*Witnesses;*  
*Wm Mansfield*  
*Chas F. Wilson,*

*Inventor;*  
*W<sup>m</sup> B. Tucker*  
*By his Attorney*  
*J. C. Robbins*

# United States Patent Office.

WILLIAM B. TUCKER, OF HILLSBOROUGH, OHIO.

*Letters Patent No. 68,324, dated August 27, 1867.*

## IMPROVEMENT IN WATCH REGULATORS.

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, WILLIAM B. TUCKER, of Hillsborough, in the county of Highland, and State of Ohio, have invented a new and useful Attachment to the Regulators of Watches and other time-pieces; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification—

Figure 1 being a top view of my said attachment, and

Figure 2 a side view of the same; the said drawings being of an exaggerated size for the purpose of more clearly representing the invention.

Similar letters refer to corresponding parts in each of the drawings.

My watch-regulator attachment enables the regulator to be moved with certainty and accuracy (by means of the watch-key) any desired distance, however small, and be retained in any desired position, whatever may be the amount of suddenness of the movements to which the watch may be subjected by the movements or occupation of the wearer.

A thin base-plate, *a*, which has a graduated scale formed upon one side of it, receives and supports the two knobs *b b'*, which serve as the bearings of the horizontal screw-shaft *c*. The knob *b* also receives a spindle descending vertically from the centre of the toothed wheel *e*, which gears into the toothed wheel *d* on the end of the screw-shaft *c*. An angular stem, *f*, rises above the centre of the toothed wheel *e*, which corresponds in size and shape with the angular end of the winding-arbor of the watch. A nut, *g*, which works upon the screw-shaft *c*, is jointed to the extremity of the regulator, (shown by red lines, fig. 1,) and a sharp point at the front end of said nut indicates upon the scale on the base-plate *a* the exact amount of movement that may be imparted to the nut by turning the screw-shaft *c*, and consequently the amount of movement that may be thereby imparted to the regulator. The same key that is employed for winding the watch may be used for adjusting the regulator. The base plate *a* of my improved watch-regulator attachment may be secured to the regulator-plate or half-plate in any suitable manner.

What I claim as my invention, and desire to secure by Letters Patent, is—

Operating the regulator of a watch or other time-keeper by means of an attachment thereto, composed of the scale base-plate *a*, supporting knobs *b b'*, horizontal screw-shaft *c*, toothed wheels *d* and *e*, winding-arbor *f*, and the attaching and indicating nut *g*, all arranged and operating substantially in the manner herein set forth.

In testimony that the foregoing is a true specification of my improvement in the regulators of watches and other time-keepers, I do hereby sign my name in presence of—

W. B. TUCKER.

Witnesses:

E. T. DE LANY,  
J. W. TUCKER.