

A. PLATT.
Watch-Regulator.

No. 221,606.

Patented Nov. 11, 1879.

Fig. 1.

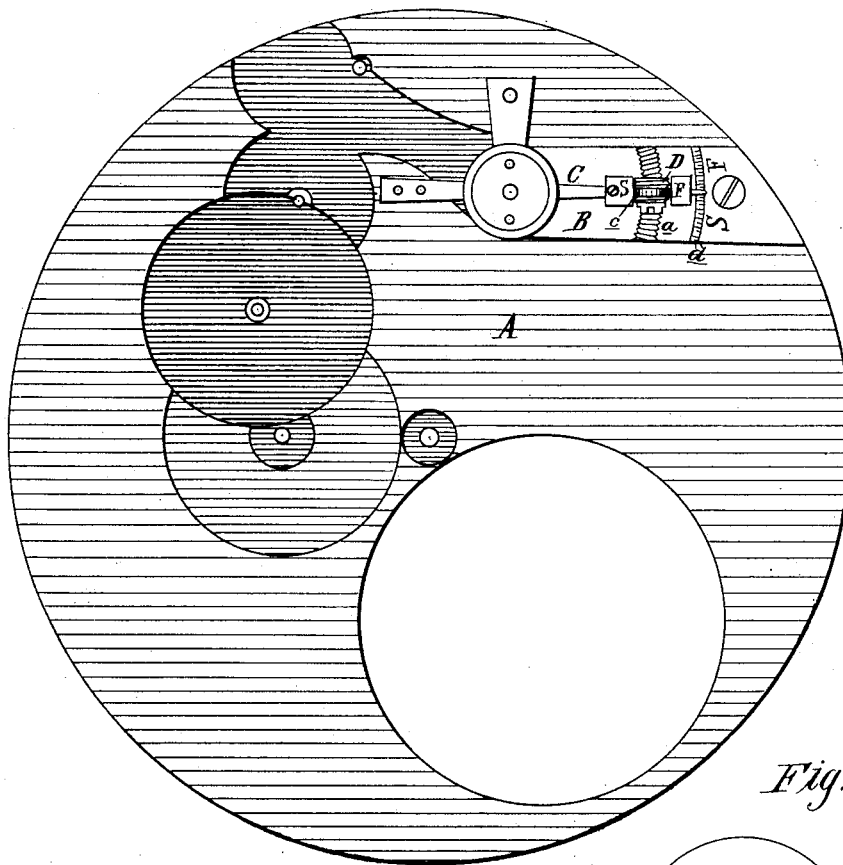


Fig. 3.

Fig. 2.

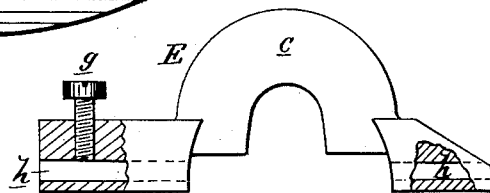
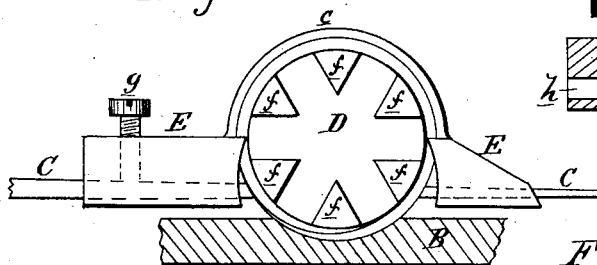
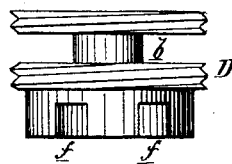


Fig. 4.



WITNESSES:

Henry N. Miller
C. Sedgwick

INVENTOR:

A. Platt

BY

Mum Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALOYS PLATT, OF NEW YORK, N. Y.

IMPROVEMENT IN WATCH-REGULATORS.

Specification forming part of Letters Patent No. **221,606**, dated November 11, 1879; application filed September 30, 1879.

To all whom it may concern:

Be it known that I, ALOYS PLATT, of the city, county, and State of New York, have invented a new and Improved Watch-Regulator, of which the following is a specification.

Figure 1 represents a plan of the device. Fig. 2 is an enlarged side elevation of the device. Fig. 3 is an enlarged (partly sectional) side elevation of the band that retains the screw of the regulator in place. Fig. 4 is an enlarged plan view of the regulator-screw.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a means for more easily and accurately moving and adjusting the regulator-lever of a watch.

The invention consists of a screw set upon the regulator-lever and engaging in a screw-groove that is made in the regulator-bridge, so that by turning the screw the lever may be easily and delicately adjusted.

In the drawings, A represents a watch-plate, on which is fixed the bridge B, upon whose face the screw-groove *a* is formed. C is the regulator-lever, that is pivoted on the bridge B in the usual manner. The screw D has a groove or channel, *b*, cut around its barrel, for the accommodation of the bow *c* of the clamp E, by which it (the screw D) is held down upon the regulator-lever C, and so as to engage in the screw-groove *a*, and this channel *b*, which embraces the lever C, also permits the end of the said lever to extend through the socket *h* of the clamp E, and beyond it to the scale *d*, that is marked on the bridge B.

The nicks *f* in the head of the screw D serve

for the insertion of a pin or other instrument to turn the said screw D to the right or left at will, so as to move the point of the regulator-lever C in either direction.

The clamp E is slipped upon the lever C and held in place by the screw *g*. By moving the lever C in one direction the effective length of the balance-spring is decreased and the beats or pulsations are shortened, the balance moving quicker. By moving the lever in the other direction the effective length of said spring is increased, so that if the watch is too fast the movement is corrected.

I am aware that watch-regulators have been moved by worm-wheels and racks, and by various other devices; but I know of none that are operated by mechanism so simple and effective as mine. Hence,

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

1. The channeled screw D and bowed clamp E, in combination with the regulator-lever C, substantially as herein shown and described.
2. The bridge B, provided with screw-groove *a*, in combination with the regulator-lever C, channeled screw D, and bowed clamp E, substantially as and for the purpose described.
3. The within-described bridge B, regulator-lever C, screw D, clamp E, and watch-plate A, in combination, substantially as herein shown and described.

ALOYS PLATT.

Witnesses:

I. I. STORER,
C. SEDGWICK.