

No. 843,242.

PATENTED FEB. 5, 1907.

W. J. WALKER.

WATCH.

APPLICATION FILED MAY 19, 1906.

FIG. 1.

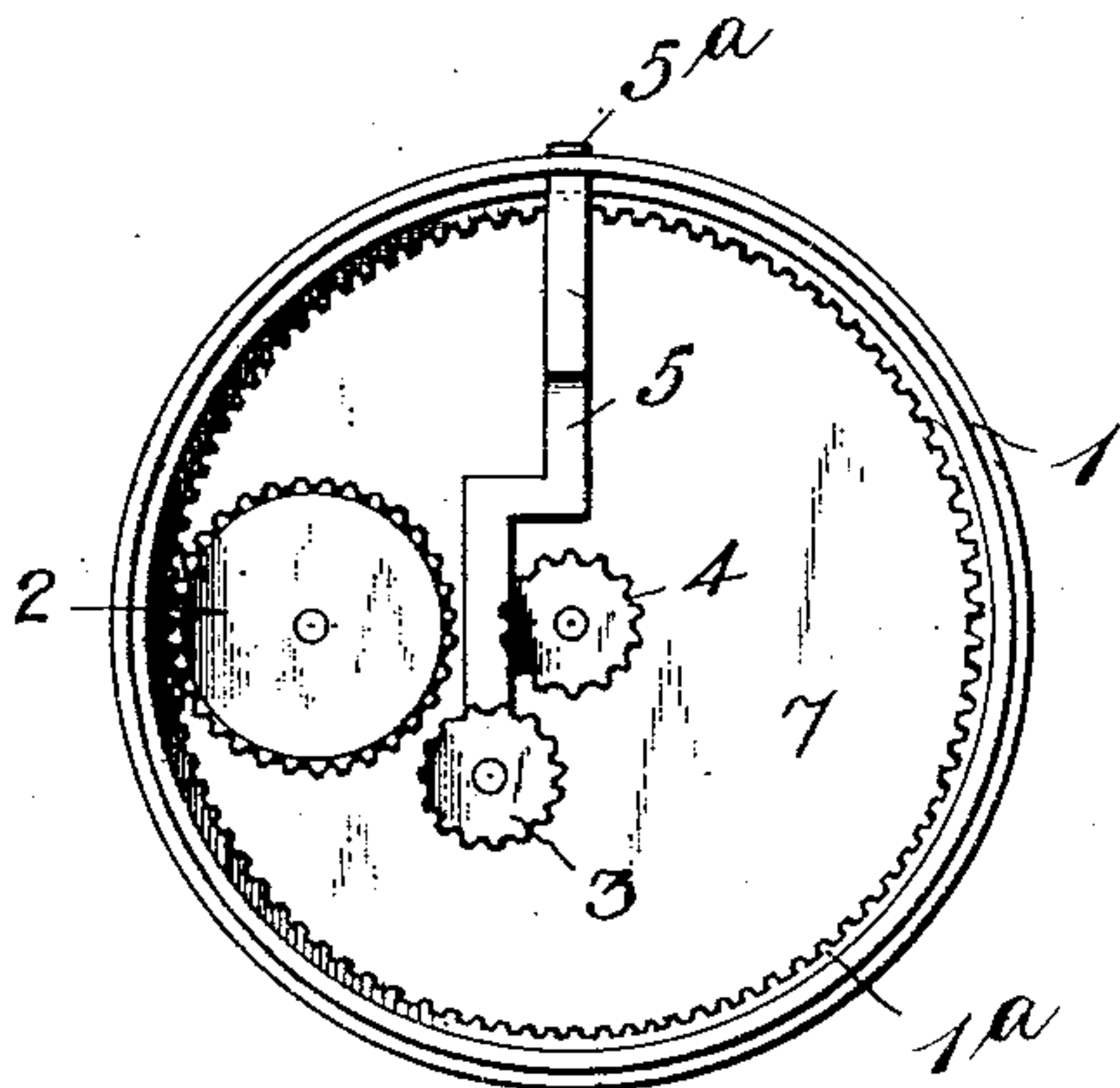


FIG. 2.

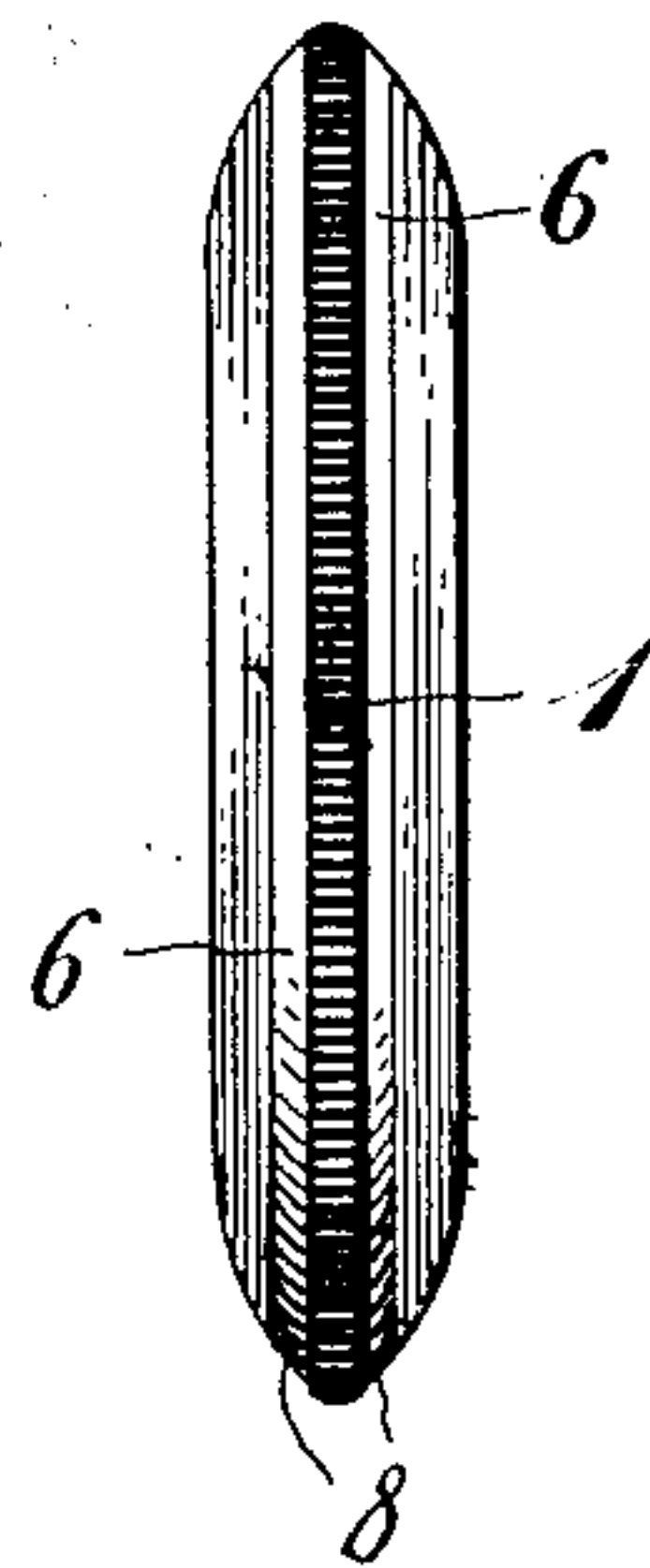


FIG. 3.

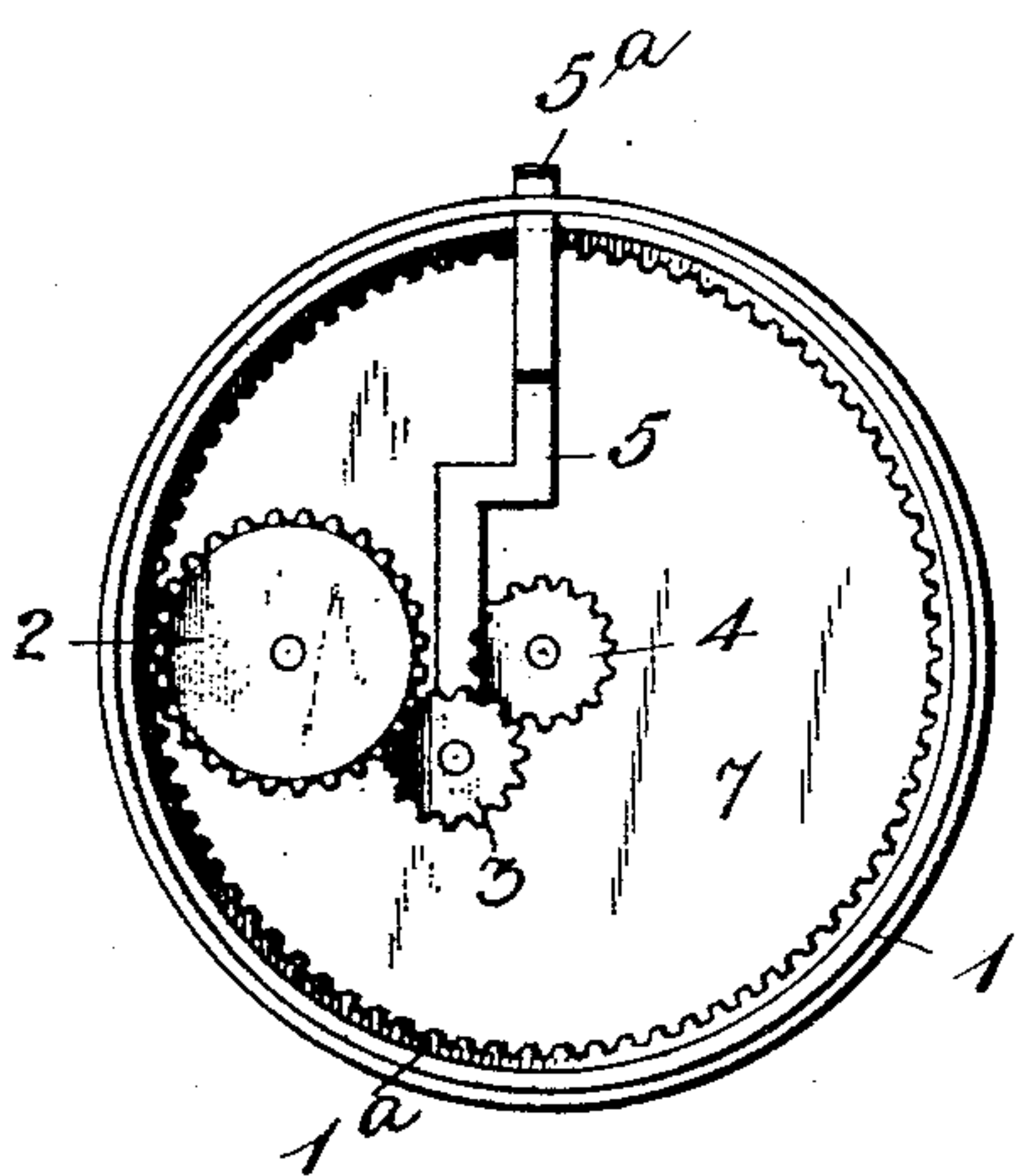
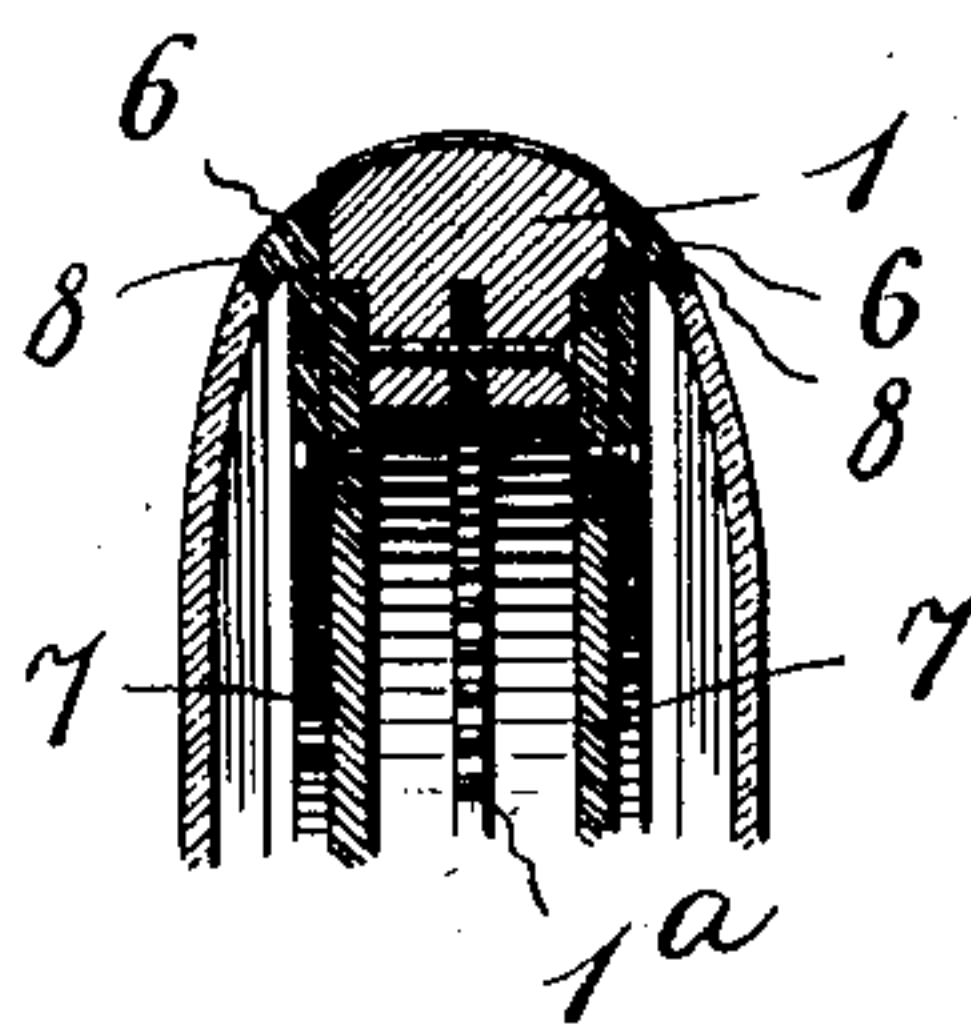


FIG. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

WALTER JAMES WALKER, OF CHICAGO, ILLINOIS.

## WATCH.

843,242.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed May 19, 1906. Serial No. 317,703.

*To all whom it may concern:*

Be it known that I, WALTER JAMES WALKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Watches, of which the following is a specification.

This invention is a rim winding and setting watch without stem or ring, and is particularly adapted for wrist and carriage watches, for use with evening dress, and for use generally without chain or fob. This forms a watch which can be carried in any pocket, which is less apt to be stolen, and which is particularly advantageous when the watch is to be set in an outer case or cover, as in wrist or vehicle watches.

A special feature of the invention is a milled rim having an internal gear which meshes with the spring-barrel, which rim can be turned to wind the spring. Also, by means of a setting lever or rod a setting-gear can be thrown in operation.

In the accompanying drawings, Figure 1 is a plan view with the case removed, showing sufficient of the watchworks to illustrate the invention. Fig. 2 is an edge view. Fig. 3 is a view similar to Fig. 1, but with setting-gear in action. Fig. 4 is a detail in section.

Referring specifically to the drawings, 1 indicates the rim milled on the outer or exposed edge and having an internal gear 1<sup>a</sup>, which meshes with the gear of the spring-barrel 2.

3 is a movable gear-wheel for setting the hands and is carried at the inner end of a sliding rod or strip 5, which has a finger-nail clip 5<sup>a</sup> at its outer end. The gear-wheel 4 is on the hand-post. When the rod 5 is pulled

out, it throws the gear 3 in mesh with gears 2 and 4, forming a setting-gear by which the hands can be turned. Ordinary setting-wheels are used with ratchet for reversing.

The milled rim 1 fits snugly between rings 6, (see Fig. 4,) which are secured to the front and back-plates or tables 7 of the movement, the rings having flanges 8, which are threaded at the edge to receive the crystals or the front and back plates of the watch.

By holding the body of the watch and turning the milled rim the engagement of its internal gear with the spring-barrel gear winds the spring. The manner of operating the setting-gear is described above. The absence of post, ring, or other projections is noticeable, forming a smooth and symmetrical circular timepiece of convenient carriage and manipulation.

I claim—

In a watch, the combination with the movement having a spring-barrel gear, and the plates of the case inclosing the same, of a rotatable rim between the edges of the said plates, said rim having an internal gear in mesh with the said spring-barrel gear, a setting-gear, and a movable rod carrying one of the wheels of the setting-gear at one end and extending outside the case at the other end, and arranged to engage or disengage said setting-gear.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER JAMES WALKER.

Witnesses:

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H. G. BATCHELOR.