

(No Model.)

H. REINECKE.
WATCH MOVEMENT.

No. 245,217.

Patented Aug. 2, 1881.

Fig. 1

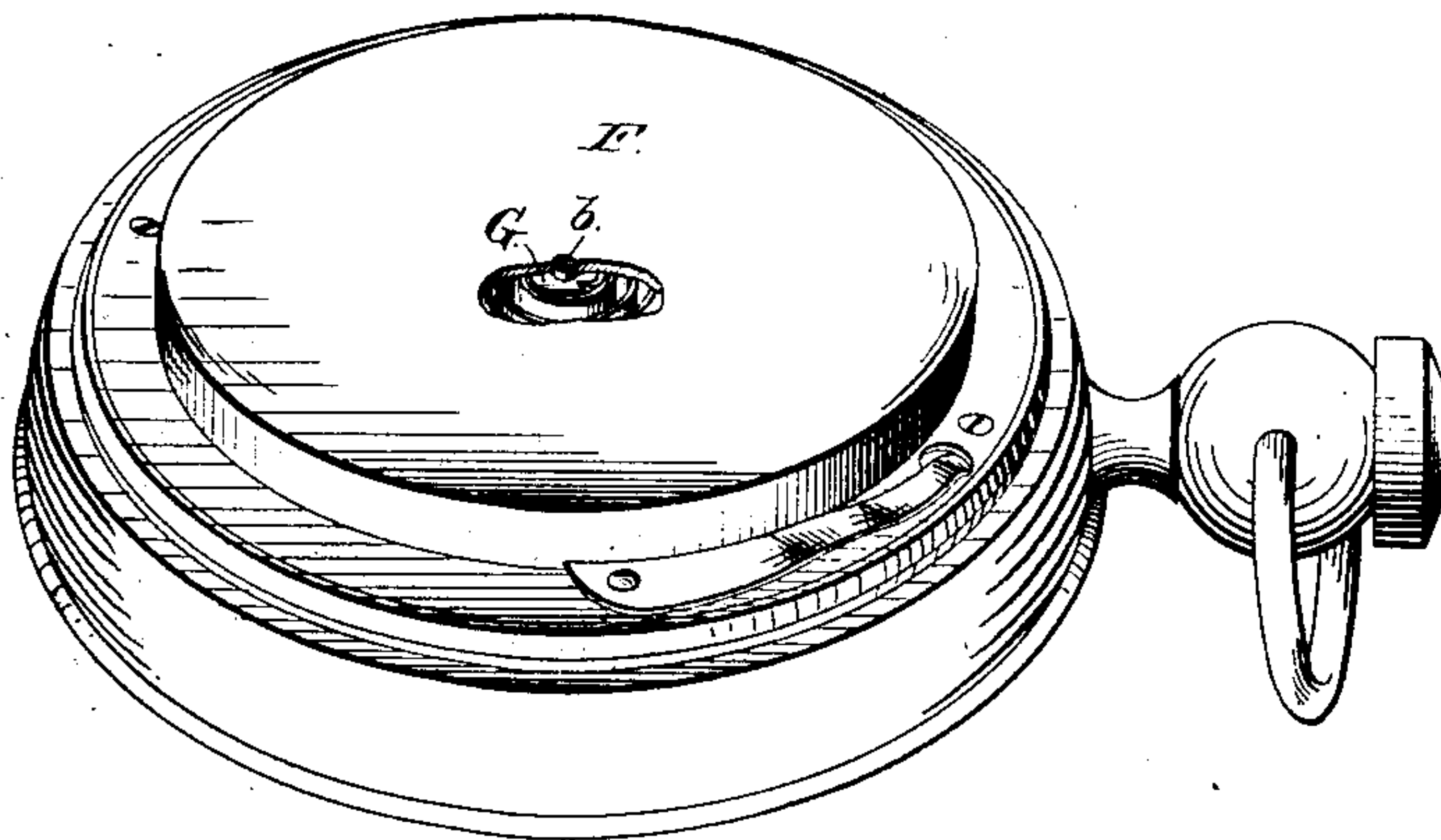
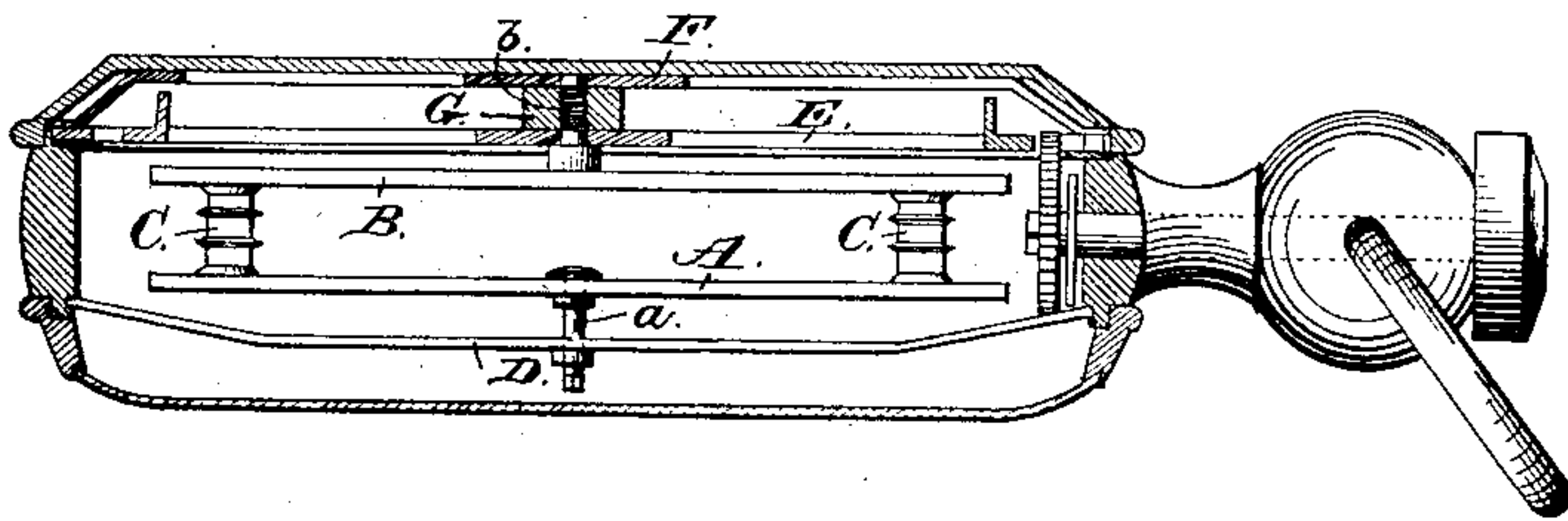


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

HERMAN REINECKE, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
WATERBURY WATCH COMPANY, OF SAME PLACE.

WATCH-MOVEMENT.

SPECIFICATION forming part of Letters Patent No. 245,217, dated August 2, 1881.

Application filed June 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, HERMAN REINECKE, of Waterbury, in the county of New Haven, and in the State of Connecticut, have invented certain new and useful Improvements in Watch-Movements; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a watch containing my improvement, the case-back being removed and a portion of the cap being broken away to show the bearing of the pivotal arbor; and Fig. 2 is a central cross-section of the same, the back plate being in position.

Letters of like name and kind refer to like parts in each of the figures.

My invention relates to watches which have a train pivoted at and rotating around the center of the case, and has for its object greater durability of the back pivotal bearing and an increase in the steadiness with which said train revolves; and to this end it consists in a central pivot upon the back or pillar plate, which is journaled in the cap and operates as a bearing for the movement and an attachment for the mainspring, substantially as and for the purpose hereinafter specified.

In the annexed drawings, A represents a front plate, and B a back or pillar plate, which are connected by means of pillars C in the usual manner, and are intended to contain a time-train.

Secured within and extending axially from the center of the front plate, A, is a stud, *a*, which passes through and is journaled within

a dial, D, while from the center of the back plate, B, a similar stud, *b*, extends rearward through a spring-wheel, E, and cap F, the end of said stud being journaled within the latter, and its body having a bearing within said spring-wheel, if desired.

The studs *a* and *b* operate primarily as pivotal bearings for and upon which the train rotates, and, in addition thereto, said stud *a* affords means for attaching the minute-hand, while said stud *b* receives a collet, G, to which is attached the inner end of, and around which is coiled, a mainspring.

As the watch has heretofore been constructed the stud *b* had no bearing except within the spring-wheel E, and as a result the action of the mainspring caused side pressure and operated to throw the train out of line; but with a bearing for said stud within the cap F such objection is removed and perfect steadiness and freedom of motion are secured.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

A central pivot upon the back or pillar plate, which is journaled in the cap and operates as a bearing for the movement and an attachment for the mainspring, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of May, 1881.

HERMAN REINECKE.

Witnesses:

J. E. JOHNSON,
W. F. BALDWIN.