

(No Model.)

A. TROLLER.
WATCH PLATE.

No. 350,903. *Fig. 1*

Patented Oct. 12, 1886.

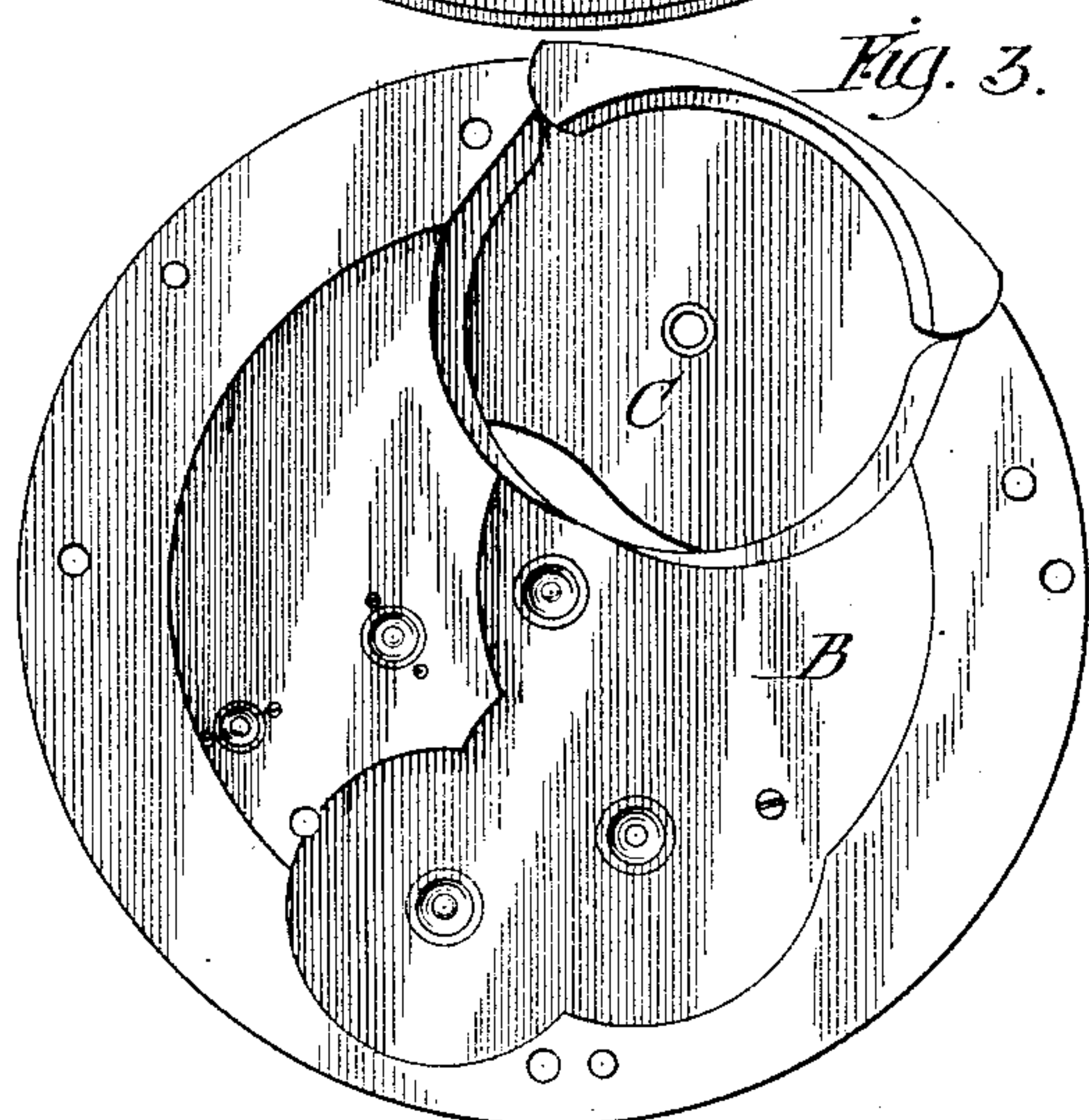
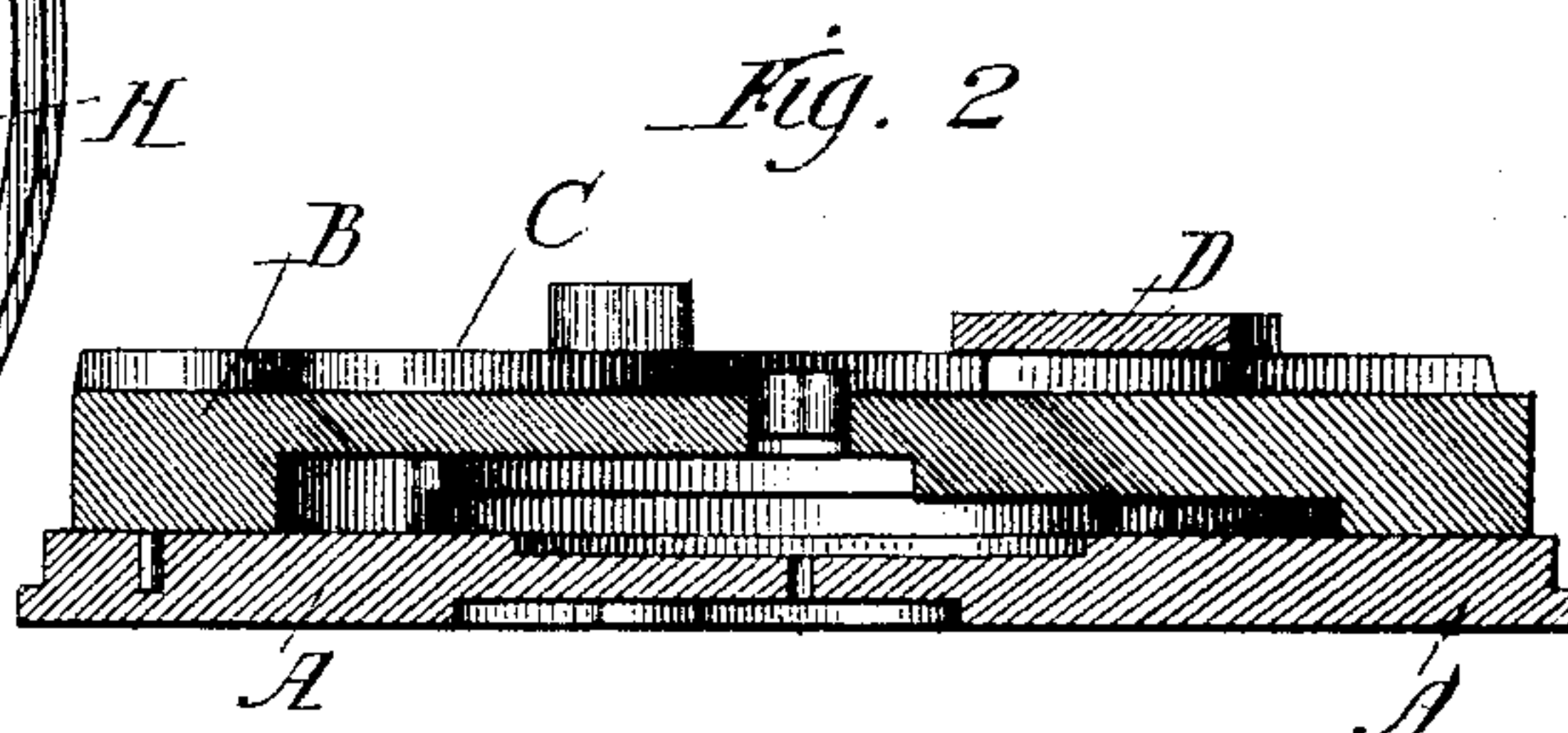
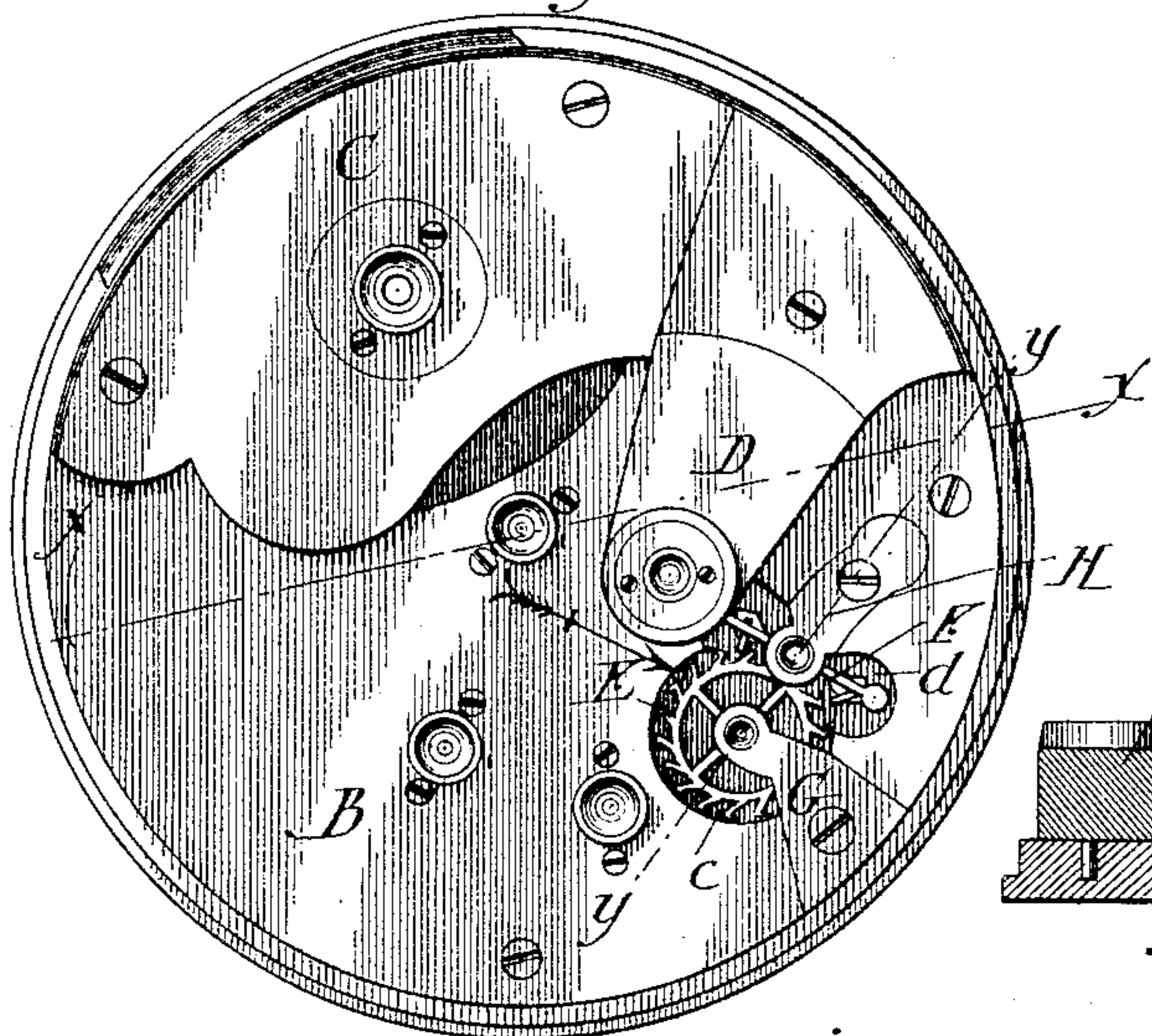


Fig. 4.

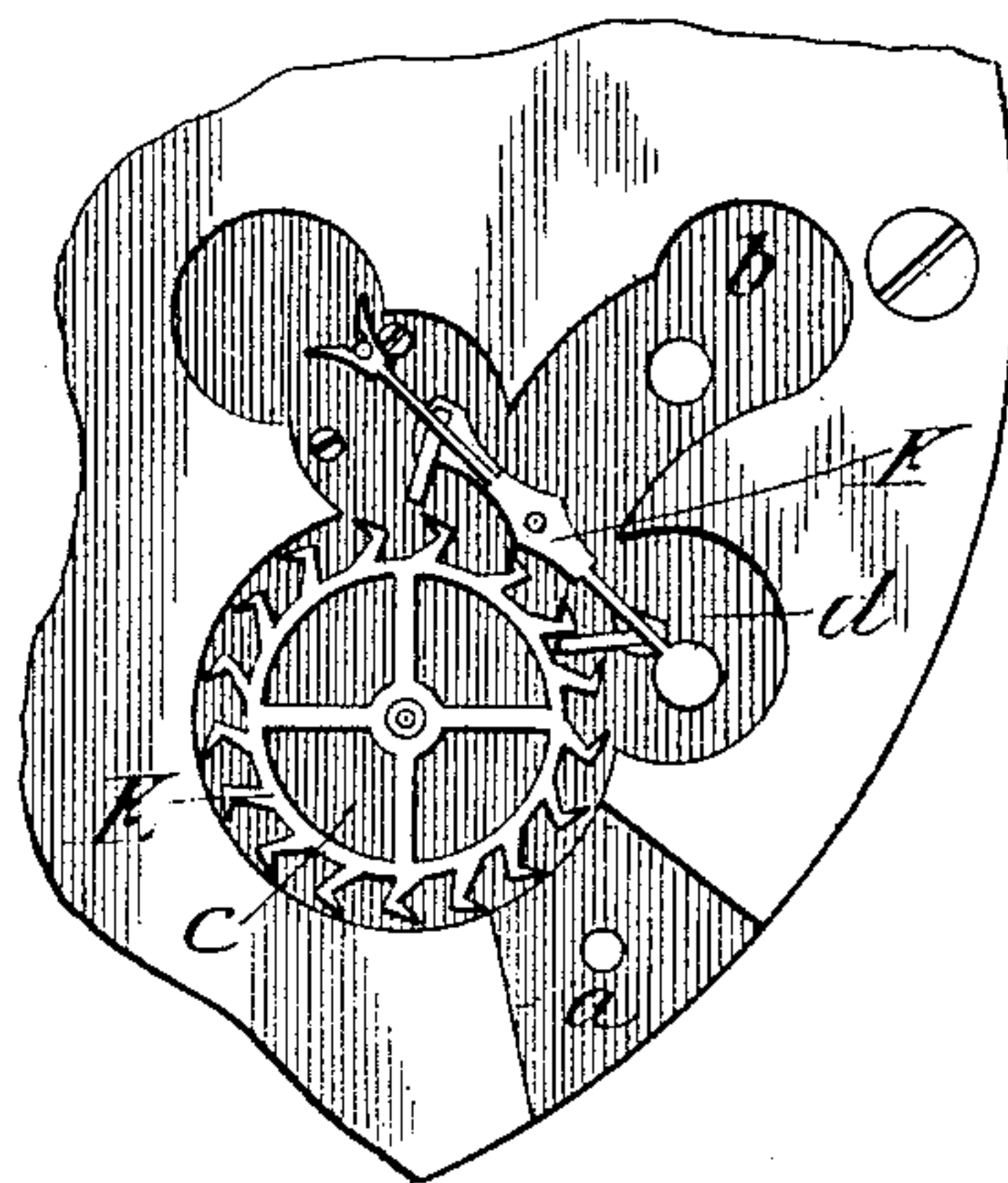


Fig. 6.

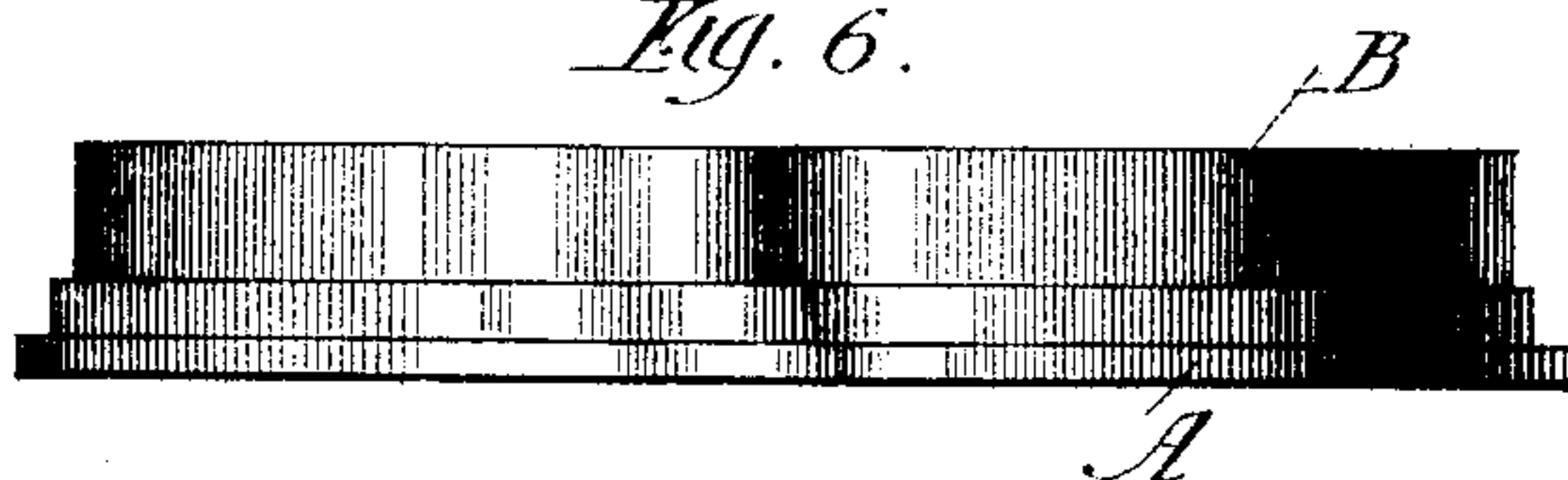
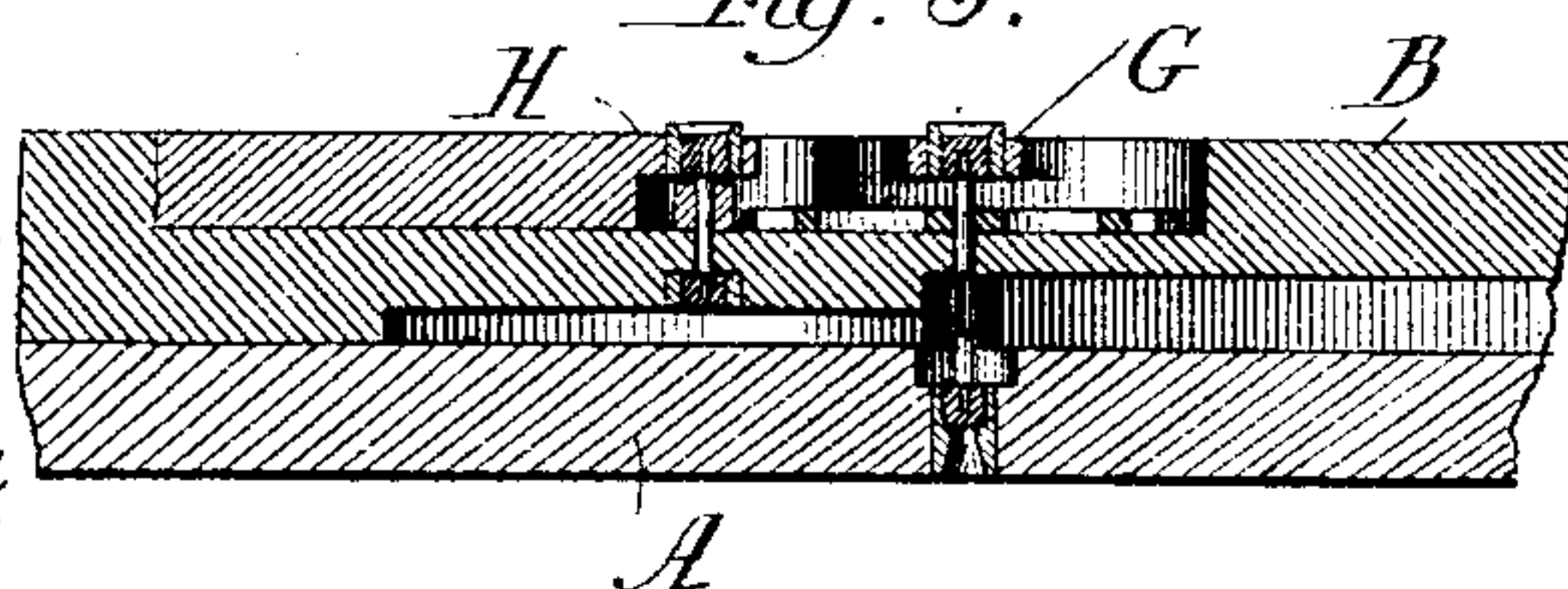


Fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALBERT TROLLER, OF ROCKFORD, ILLINOIS, ASSIGNOR TO THE ROCKFORD
WATCH COMPANY, OF SAME PLACE.

WATCH-PLATE.

SPECIFICATION forming part of Letters Patent No. 350,903, dated October 12, 1886.

Application filed March 8, 1886. Serial No. 194,374. (No model.)

To all whom it may concern:

Be it known that I, ALBERT TROLLER, residing at Rockford, in the county of Winnebago and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Full-Plate Watches, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan showing the top plate of my watch with the escape-wheel and pallet located in recesses in the face of the plate. Fig. 2 is a vertical section at line *x* of Fig. 1. Fig. 3 is a plan showing the under side of the top plate. Fig. 4 is an enlarged detail showing the escape-wheel and the pallet in place in their recesses in the plate B, their bridges being removed. Fig. 5 is a section at line *y* of Fig. 1, looking in the direction of the arrow in Fig. 1. Fig. 6 is a side elevation showing the bottom and top plates together, the bridges and some other parts being removed from the upper side of the top plate.

My improvement relates to full-plate watches. Such watches have heretofore been made by providing one plate with pillars which support the top plate, and the escape-wheel and the pallet in such watches have been placed between the two plates. To remove the escape-wheel or the pallet it has been necessary to remove the top plate, which is attended with considerable trouble and displaces several other parts of the watch.

One object of my invention is to dispense with the pillars in a full plate watch, which I accomplish by omitting the pillars from the bottom plate, and by making the top plate very thick and recessing the same on the under side to receive such parts of the watch as are located between the two plates. Another object of my improvement is to so construct a full-plate watch that the escapement can be readily removed without disturbing any other parts, which I accomplish by placing the escape-wheel and the pallet in recesses in the face of the top plate, all as illustrated in the drawings, and hereinafter described.

In the drawings, A represents the bottom plate of my improved watch.

B is the top plate, which is made very thick, the under side being hollowed out or recessed to make room for such parts as are located between the two plates. That portion of this plate which is not recessed or cut away rests directly upon the plate A, and is secured thereto by means of screws.

C is the barrel-bridge.

D is a balance-bridge.

E is the escape-wheel, and F the pallet, both of which are located in recesses in the face of the plate B, (indicated in the drawings by letters *e* & *f*.)

G is a bridge for the escape-wheel, and H is a bridge for the pallet. The outer ends of both of these bridges are, as shown, located in recesses *a* & *b* in the plate B, and are held in place by screws. By removing the bridges G & H the escape-wheel and pallet can be easily removed from the watch without taking off the top plate and without disturbing any other portion of the train, which will often be a great advantage in repairing. It is not necessary to recess to a uniform depth that portion of the under side of the top plate which receives parts of the train; some parts may be recessed more than others, according to the portion of the train which the recess is to receive. By making the two plates as described I also provide a full-plate watch which requires no dust-band.

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

In a full-plate watch, the combination, with the bottom plate, A, of a thick top plate, B, recessed on its under side to receive parts of the movement, and provided with recesses in its upper side extending only partially through the same, to receive the escape-wheel and pallet, which are held in place by separate bridges secured in recesses in said top plate, the said top plate being supported directly on and secured directly to the bottom plate, substantially as described.

ALBERT TROLLER.

Witnesses:

E. A. WEST,
HARRY T. JONES.