

(No Model.)

A. H. POTTER.
WATCH.

No. 360,475.

Patented Apr. 5, 1887.

Fig. 1.

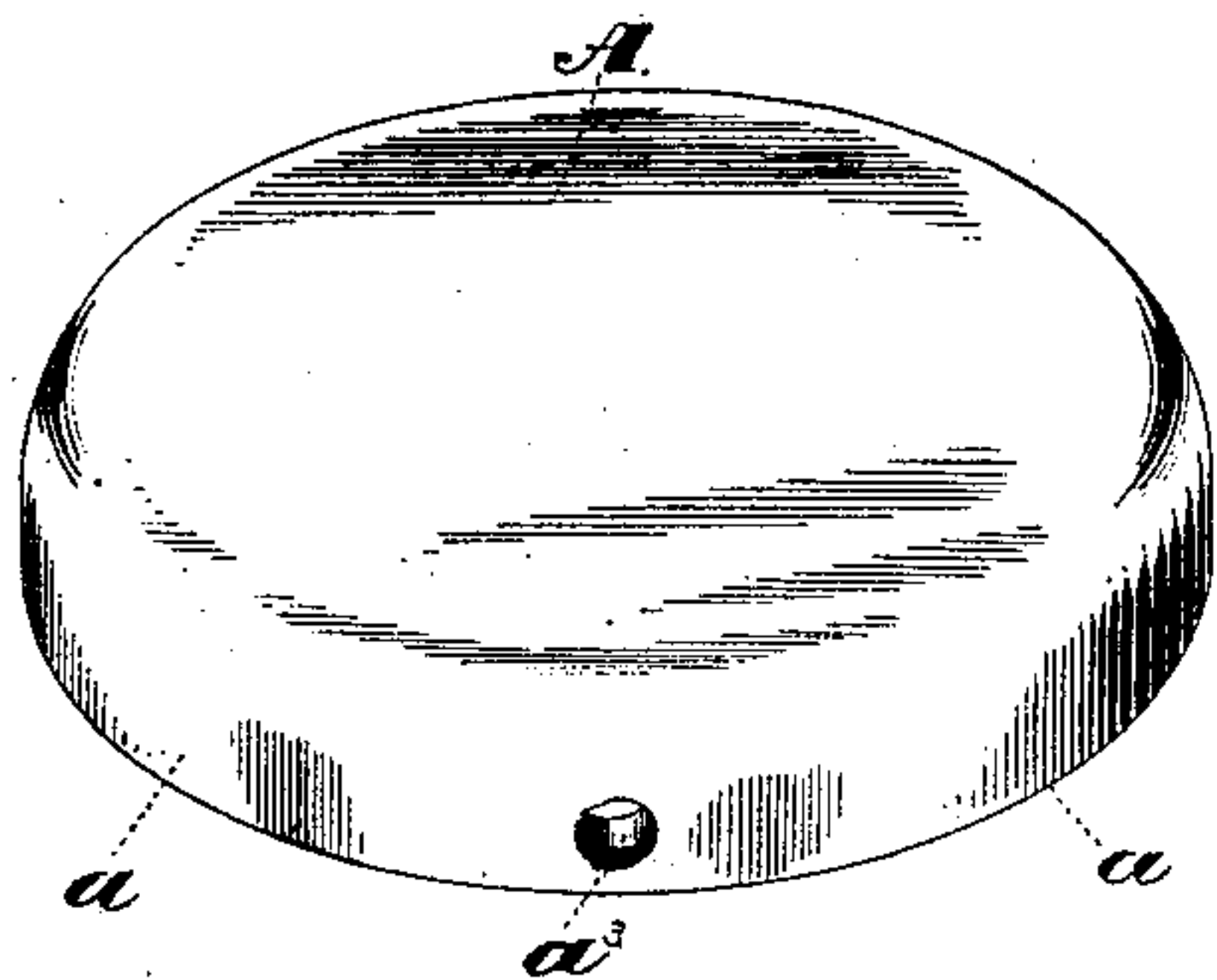


Fig. 2.

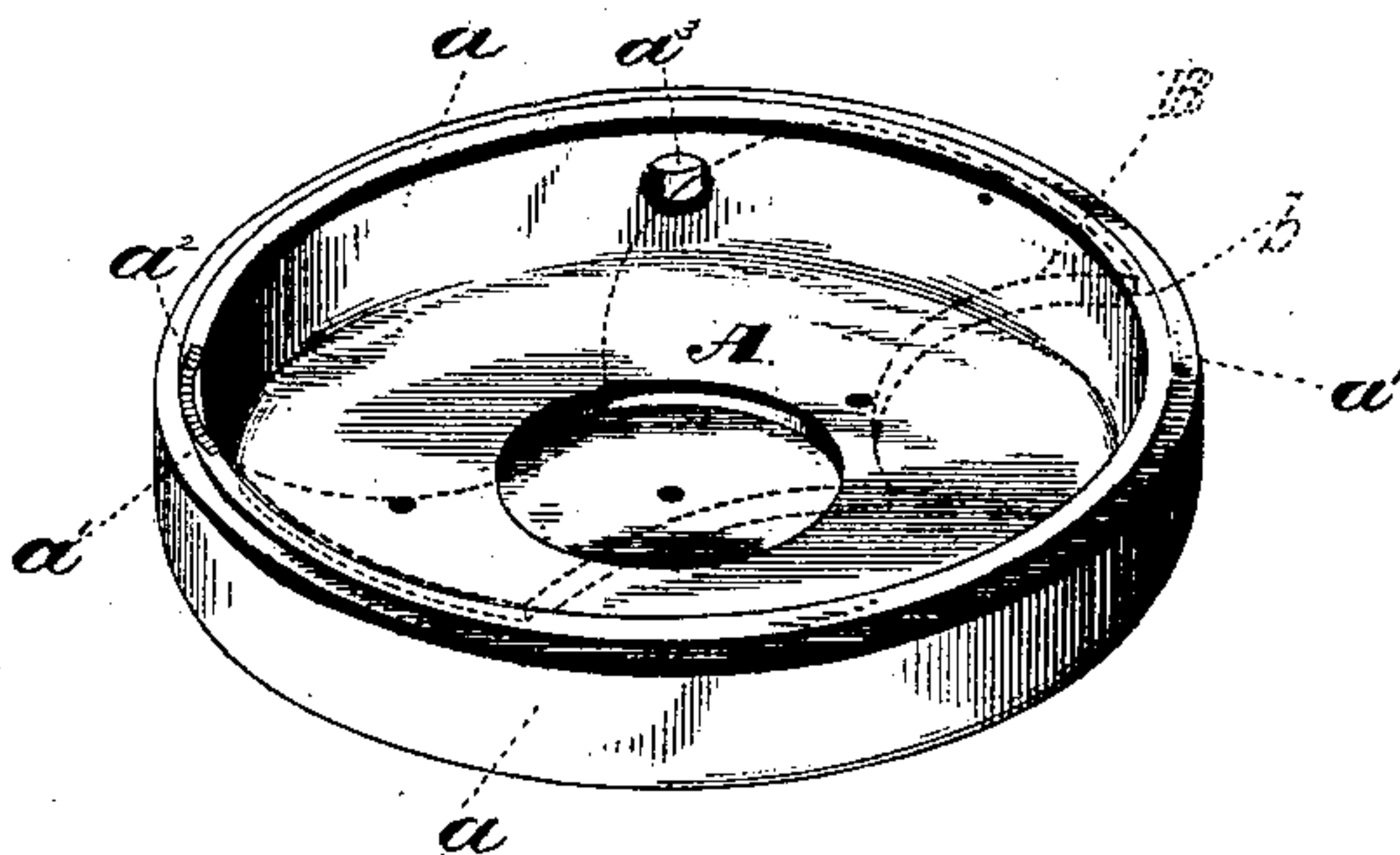


Fig. 3.

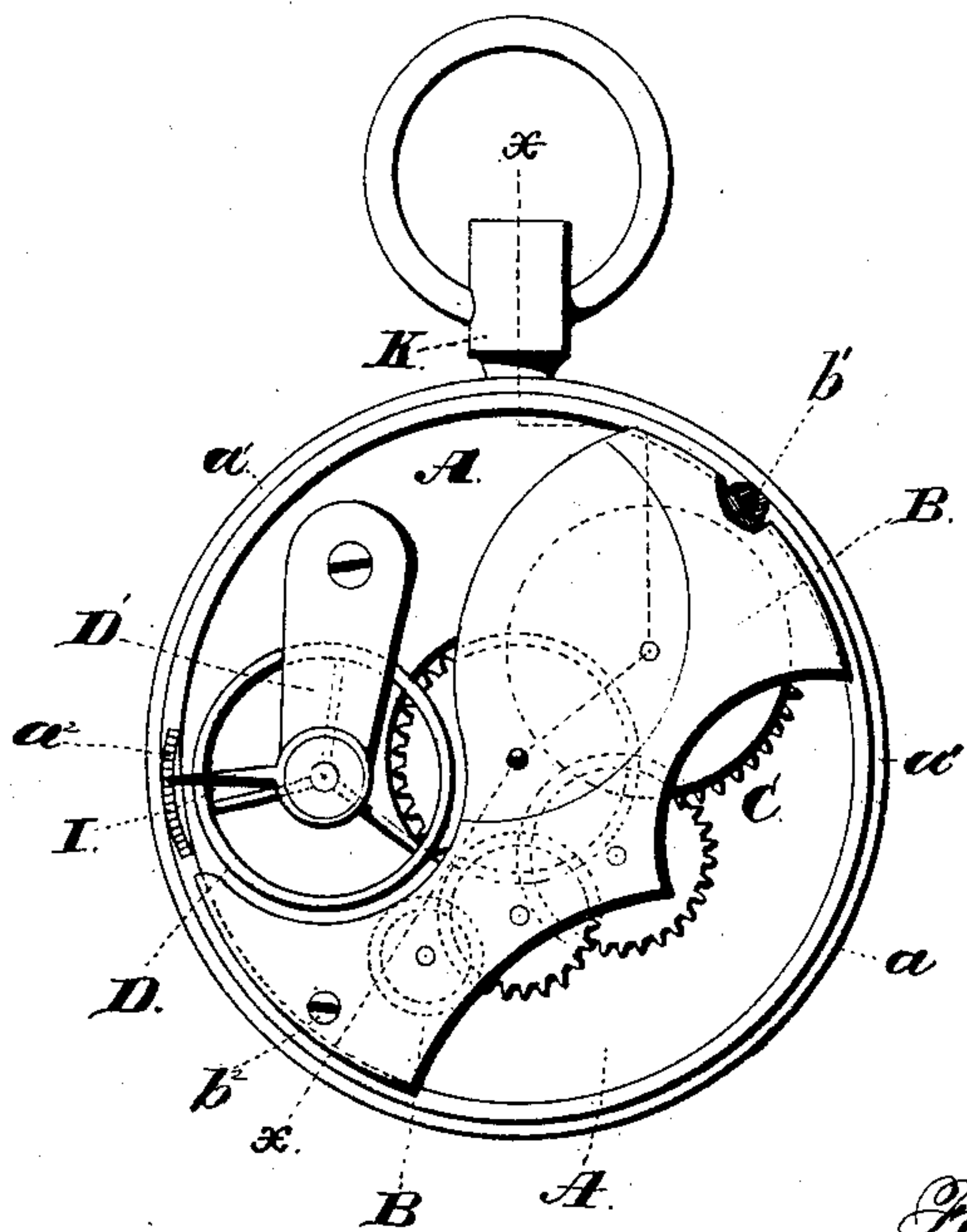


Fig. 4.

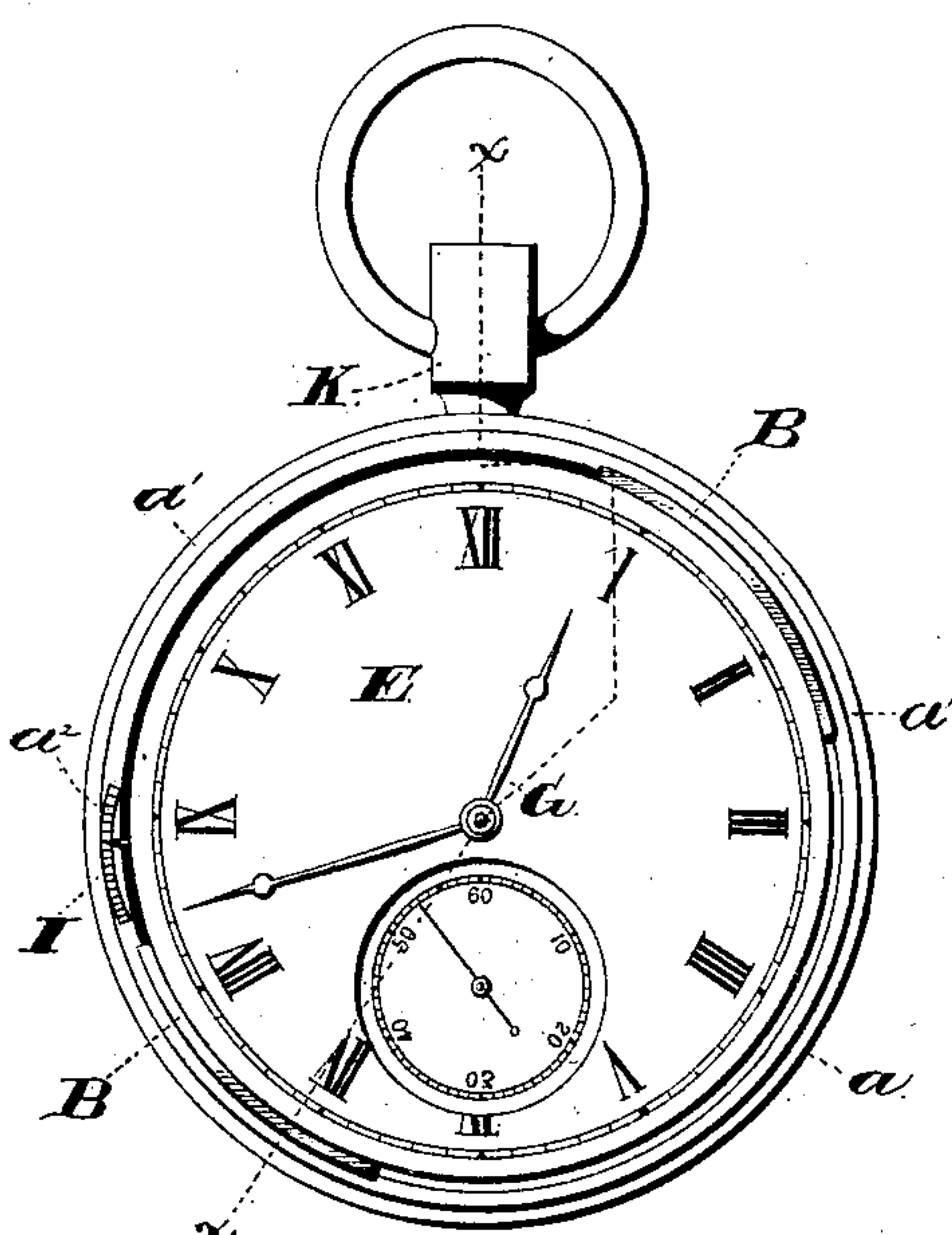
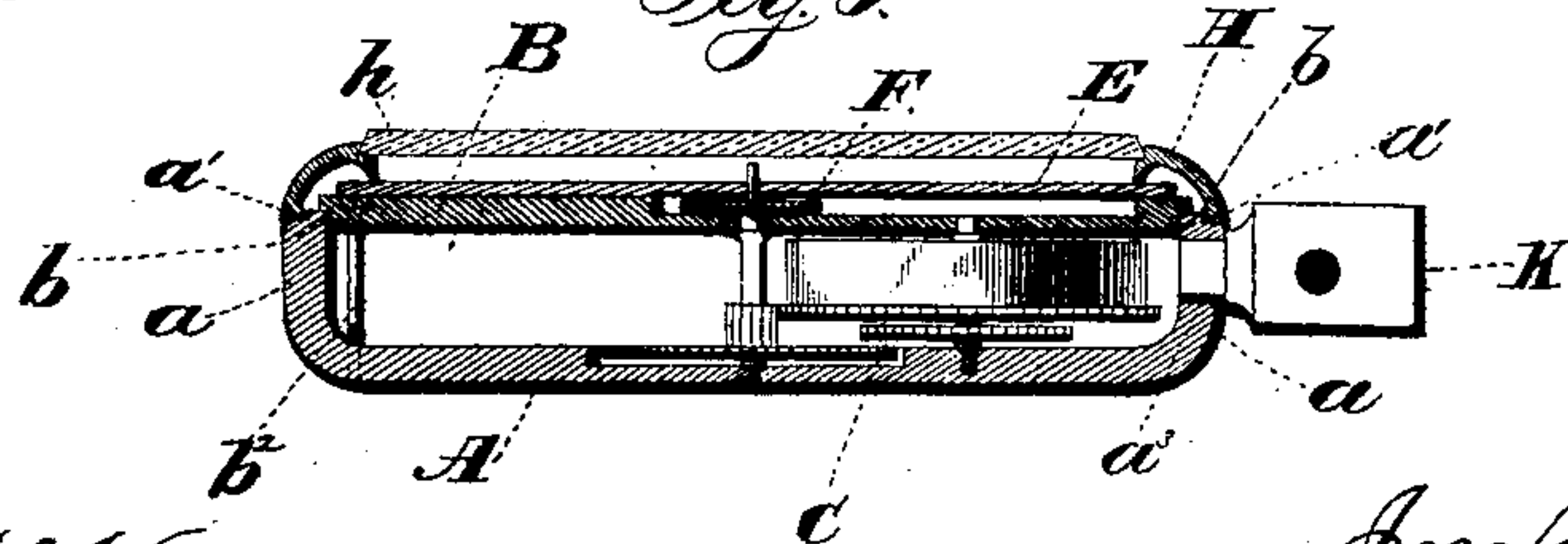


Fig. 5.



Witnesses:

Chas. J. Williamson.
Jas. C. Hutchinson.

Inventor:

Albert H. Potter, by
Erindell & Russell, his Attys

UNITED STATES PATENT OFFICE.

ALBERT H. POTTER, OF GENEVA, SWITZERLAND, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE NEW HAVEN WATCH COMPANY, OF NEW JERSEY.

WATCH.

SPECIFICATION forming part of Letters Patent No. 360,475, dated April 5, 1887.

Application filed March 25, 1886. Renewed March 1, 1897. Serial No. 229,373. (No model.)

To all whom it may concern:

Be it known that I, ALBERT H. POTTER, of Geneva, in the Republic of Switzerland, have invented certain new and useful Improvements in Watches; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view, from the rear, of my combined movement-frame and case-body. Fig. 2 is a like view of the same from the front, with the front plate indicated by dotted lines. Fig. 3 is a plan view of the face side of the watch with the bezel and dial removed. Fig. 4 is a like view of the same with the dial and hands in place, and Fig. 5 is a section upon lines *xx* of Figs. 3 and 4.

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

The object of my invention is to simplify the construction and to lessen the cost of watches; and to this end said invention consists, principally, as an improvement in watches, in a combined movement-plate, case-back, and case-center constructed from one piece, substantially as and for the purpose hereinafter specified.

It consists, further, as an improvement in watches, in a combined movement-plate, case-back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, substantially as and for the purpose hereinafter shown.

It consists, further, as an improvement in watches, in a combined movement-plate, case-back, and case-center constructed from one piece and provided within its outer edge with a rabbet for engagement by a bezel, substantially as and for the purpose hereinafter set forth.

It consists, further, as an improvement in watches, in a combined movement-plate, case-back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided within its outer edge with a rabbet for engagement by a bezel, substantially as and for the purpose hereinafter shown and described.

It consists, further, as an improvement in watches, in a combined movement-plate, case-

back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided within its outer edge with a rabbet for engagement by a bezel, and having a radial opening for the reception of a pendant, substantially as and for the purpose hereinafter specified.

It consists, further, as an improvement in watches, in a combined movement-plate, case-center, and case-back constructed from one piece and having its inner edge adapted to receive a front movement-plate, in combination with a front movement-plate which is adapted to fit over and engage with said edge, substantially as and for the purpose hereinafter shown.

It consists, further, as an improvement in watches, in a combined movement-plate, case-center, and case-back constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided with a rabbeted outer edge, in combination with a front movement-plate which fits over and engages with the said inner edge, and a bezel that engages with the rabbeted outer edge, substantially as and for the purpose hereinafter set forth.

It consists, further, as an improvement in watches, in a combined movement-plate, case-center, and case-back constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided with a rabbeted outer edge, in combination with a front movement-plate which fits over and engages with the said inner edge, a bezel that engages with the rabbeted outer edge, and a pendant which fits into and is secured within a radial opening in the periphery of said part, substantially as and for the purpose hereinafter shown and described.

It consists, further, as an improvement in watches, in a combined movement-plate and case-center constructed from one piece and provided with an inner edge which is adapted to receive a front movement-plate, in combination with a front movement-plate which fits over and engages with said inner edge, and with a movement-train that is placed between and journaled within said parts, substantially as and for the purpose hereinafter specified.

It consists, further, as an improvement in

watches, in a combined movement-plate and case-center constructed from one piece and provided with an inner edge which is adapted to receive a front movement plate, in combination with a front movement-plate which fits over and engages with said inner edge, a movement-train that is placed between and journaled within said parts, and a dial which is superimposed upon said front movement-plate and extends radially to or near the edge of the same, substantially as and for the purpose hereinafter shown.

It consists, finally, as an improvement in watches, in a combined movement-plate and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided upon its upper edge with a regulator index-scale, in combination with a front movement-plate which fits over and engages with said inner edge, a dial that is superimposed upon said front movement-plate, and a regulator-arm which projects from beneath said dial over said index-scale, substantially as and for the purpose hereinafter set forth.

In the carrying of my invention into practice, a disk of metal, A, is passed through dies, and its edge a turned upward at an angle of ninety degrees, as shown in the drawings, after which the exterior and interior of said part are turned in a lathe, and within the outer corner of its upturned flange a is formed an annular rabbet, a' , for purposes hereinafter shown.

Fitted to the upper open side of the part A, which constitutes a case back and center and a back movement-plate, is a front movement-plate, B, that has any desired shape in plan view, and within its lower edge is provided with a rabbet, b , that enables it to fit over and engage with the inner edge of the flange a . Said plate B is secured in place by a dowel-pin, b' , at one side and a screw, b'' , at its opposite side, or by any of the well-known and usual means employed for such purpose.

Between the plates A and B are placed the parts C of a movement-train, which parts are journaled within said plates in the usual manner, except that the pivot-openings do not extend entirely through said plate A. The balance-wheel D is journaled between said plate A and the ordinary cock, D'.

Fitted upon the plate B is a dial, E, between which parts are the usual dial-wheels, F, that carry the necessary hands, G, while over said dial is placed a bezel, H, which engages with the rabbet a' and incloses and sustains a glass, h , in the usual manner. The diameter of said dial is such as to leave the upper edge of the flange a exposed when said bezel is removed, and at a suitable point upon said edge is formed an index-scale, a'' , over which extends a regulator-arm, I, that projects from beneath said dial, the arrangement being such as to enable the movement to be regulated whenever said bezel is removed.

A pendant, K, secured within a radial opening, a^3 , in the flange a , and through which may extend the usual stem-arbor for winding the mainspring and setting the hands, completes the invention, in which it will be seen that the flanged plate A performs the functions of a case-back, a case-center, a rear movement-plate, and the pillars that usually extend between and hold in relative positions the front and back movement-plates.

Having thus described my invention, what I claim is—

1. As an improvement in watches, a combined movement-plate, case-back, and case-center constructed from one piece, substantially as and for the purpose specified.

2. As an improvement in watches, a combined movement-plate, case-back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, substantially as and for the purpose shown.

3. As an improvement in watches, a combined movement-plate, case-back, and case-center constructed from one piece and provided within its outer edge with a rabbet for engagement by a bezel, substantially as and for the purpose set forth.

4. As an improvement in watches, a combined movement-plate, case-back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided within its outer edge with a rabbet for engagement by a bezel, substantially as and for the purpose shown and described.

5. As an improvement in watches, a combined movement-plate, case-back, and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided within its outer edge with a rabbet for engagement by a bezel, and having a radial opening for the reception of a pendant, substantially as and for the purpose specified.

6. As an improvement in watches, a combined movement-plate, case-center, and case-back constructed from one piece and having its inner edge adapted to receive a front movement-plate, in combination with a front movement-plate which is adapted to fit over and engage with said edge, substantially as and for the purpose shown.

7. As an improvement in watches, a combined movement-plate, case-center, and case-back constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided with a rabbeted outer edge, in combination with a front movement-plate which fits over and engages with the said inner edge, and a bezel that engages with the rabbeted outer edge, substantially as and for the purpose set forth.

8. As an improvement in watches, a combined movement-plate, case-center, and case-back constructed from one piece and having

its inner edge adapted to receive a front movement-plate, and provided with a rabbeted outer edge, in combination with a front movement-plate which fits over and engages with the said inner edge, a bezel that engages with the rabbeted outer edge, and a pendant which fits into and is secured within a radial opening in the periphery of said part, substantially as and for the purpose shown and described.

9. As an improvement in watches, a combined movement-plate and case-center constructed from one piece and provided with an inner edge which is adapted to receive a front movement-plate, in combination with a front movement-plate which fits over and engages with said inner edge, and with a movement-train that is placed between and journaled within said parts, substantially as and for the purpose specified.

10. As an improvement in watches, a combined movement-plate and case-center constructed from one piece and provided with an inner edge which is adapted to receive a front movement-plate, in combination with a front movement-plate which fits over and engages

with said inner edge, a movement-train that is placed between and journaled within said parts, and a dial which is superimposed upon said front movement-plate and extends radially to or near the edge of the same, substantially as and for the purpose shown.

11. As an improvement in watches, a combined movement-plate and case-center constructed from one piece and having its inner edge adapted to receive a front movement-plate, and provided upon its upper edge with a regulator index-scale, in combination with a front movement-plate which fits over and engages with said inner edge, a dial that is superimposed upon said front movement-plate, and a regulator-arm which projects from beneath said dial over said index-scale, substantially as and for the purpose set forth.

In testimony whereof I hereunto set my hand this 19th day of March, A. D. 1886.

ALBERT H. POTTER.

Witnesses:

JAMES D. GRISWOLD,
JAS. R. BOWEN.