

(Model.)

J. H. GERRY.
Clock.

No. 236,016.

Patented Dec. 28, 1880.

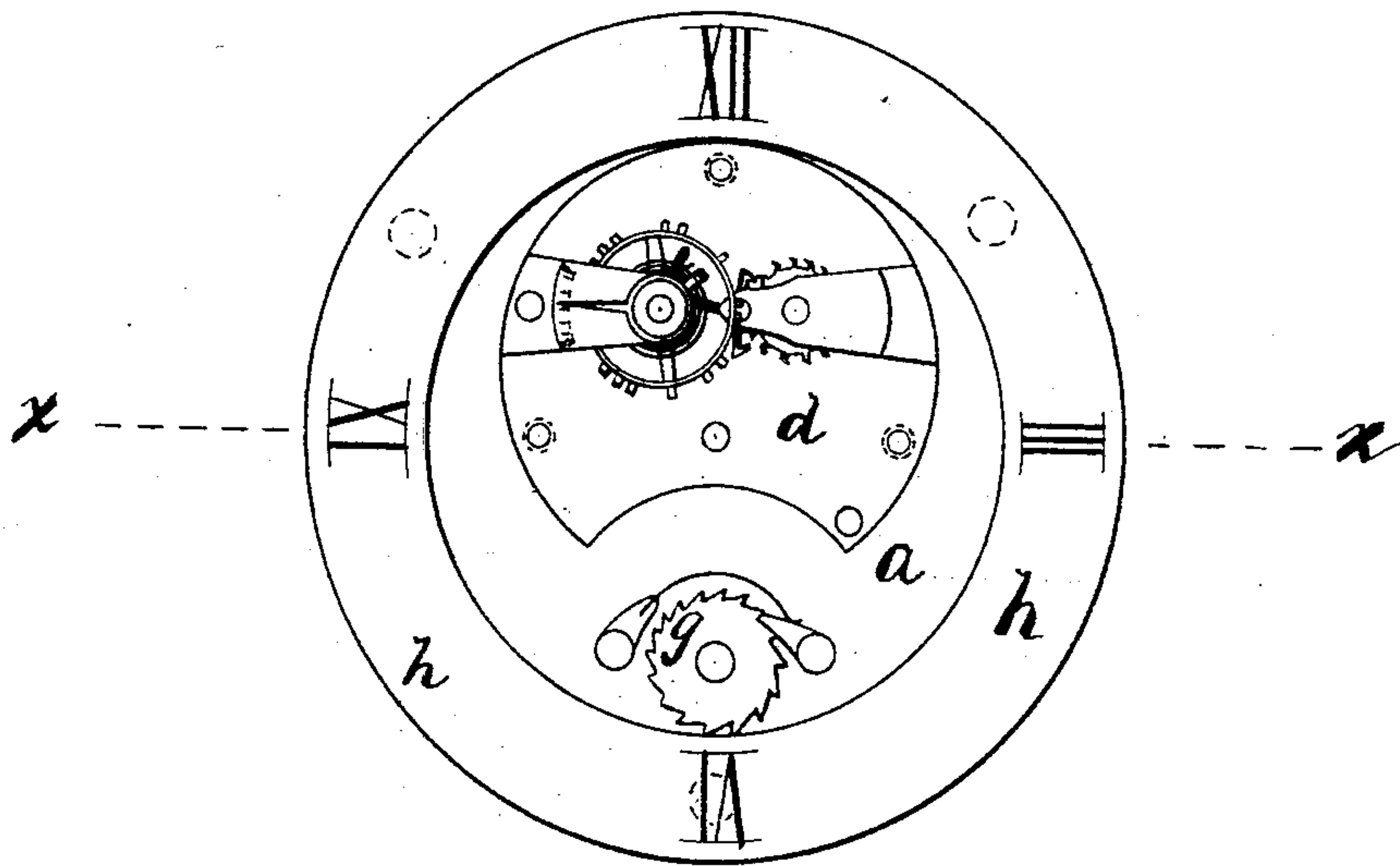


Figure 1

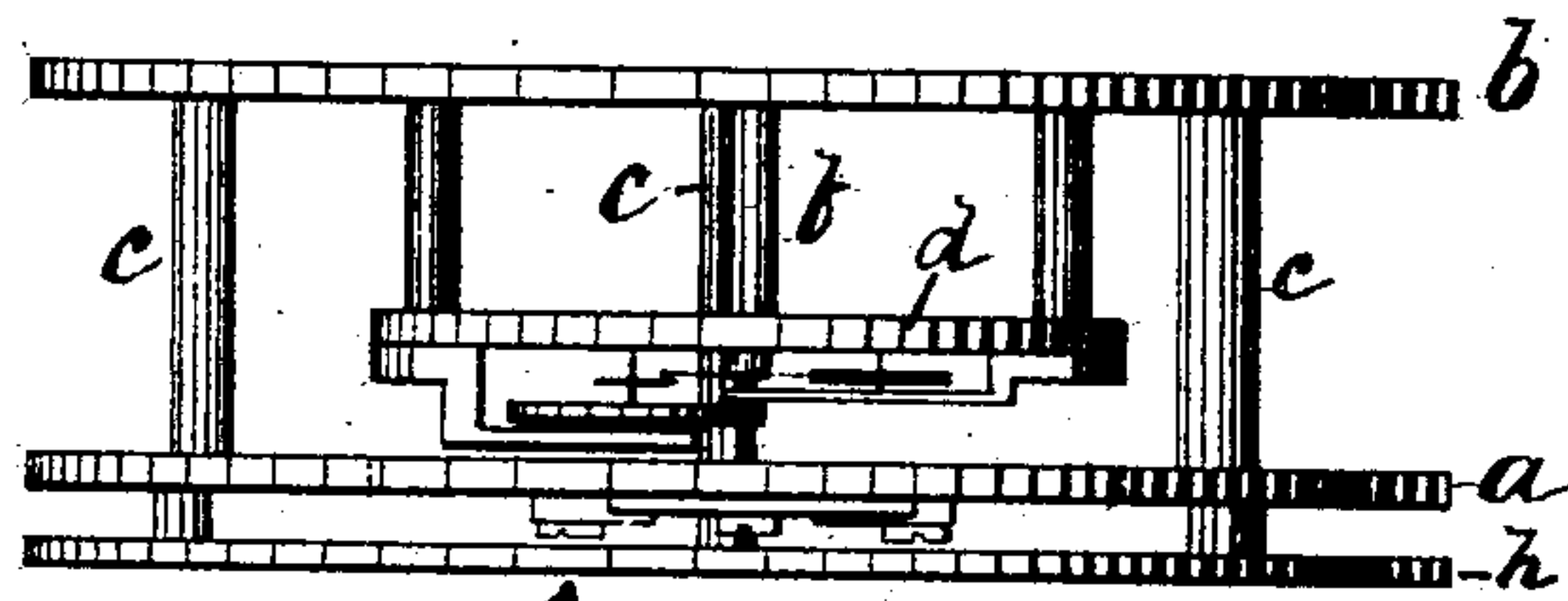


Figure 2.



Figure 3.



Figure 4

Witnesses:
Charles H. Fell
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Inventor:
James H. Gerry.
By O. Drake, Atty.

UNITED STATES PATENT OFFICE.

JAMES H. GERRY, OF NEWARK, NEW JERSEY, ASSIGNOR TO HARVARD
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CLOCK.

SPECIFICATION forming part of Letters Patent No. 236,016, dated December 28, 1880.

Application filed July 26, 1880. (Model.)

To all whom it may concern:

Be it known that I, JAMES H. GERRY, of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Clocks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to that class of watches or clocks which has exposed to view a portion of the operating mechanism. It has for its object the saving of material, protection and ready substitution of parts, attractiveness in appearance, and cheapness in repair; and it consists in the construction and combination of parts hereinafter described, and then specifically pointed out in the claims.

Referring to the accompanying drawings, in which similar letters of reference indicate like parts in each of the several figures, Figure 1 is a face view of a clock combining my invention; Fig. 2, an edge view of the same; and Figs. 3 and 4 sections taken through line *x*, Fig. 1, of the front train-plate and dial-plate.

In carrying out my invention I construct the front and back train-plates, *a* and *b*, connecting them in the usual manner by the posts *c*. The front train-plate, *a*, has its face partially open, as shown in Fig. 1, disclosing to view a supplemental plate, *d*, which may conform in size and shape to the opening in the front plate, *a*, being struck out from the same, and thus saving material. Said supplemental plate *d* bears upon its anterior face the balance-wheel *e* and other parts forming the escapement, and

is connected to the back train-plate, *b*, by means of posts *f*. Between said plates *b* and *d*, and connected therewith, is the usual time-train. Upon the front plate, *a*, is placed the ratchet-wheel *g* and attachments, and in front of the said plate *a* is affixed the annular dial-plate *h*.

Should it be so desired, I can reverse, to a certain extent, the order of the parts by placing the front plate, *a*, in the position of the back plate, *b*, and vice versa, and relatively reversing the supplemental plate *d*, so that the action of the escapement may appear from the back.

I am aware that the balance-wheel of a watch has been lodged in a cavity below the level of the dial-plate and exposed to view through the dial-plate, and I lay no claim to that construction; but,

Having thus described my invention, what I claim, and wish to have secured by Letters Patent, is—

1. In a clock, the front train-plate, *a*, having a part, *d*, of it cut away and set back thereof, so as to support and expose to view through the train-plate the clock-escapement, as set forth.

2. In a clock, the combination of an annular dial, a separate and partially open-faced front train-plate, *a*, and a plate, *d*, supported behind and exposed to view through the opening in the train-plate, and bearing the escapement, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of July, 1880.

JAMES H. GERRY.

Witnesses:

CHARLES H. PELL,
OLIVER DRAKE.