

(No Model.)

J. E. TREAT.
INDICATOR DIAL.

No. 248,624.

Patented Oct. 25, 1881.

Fig. 1.

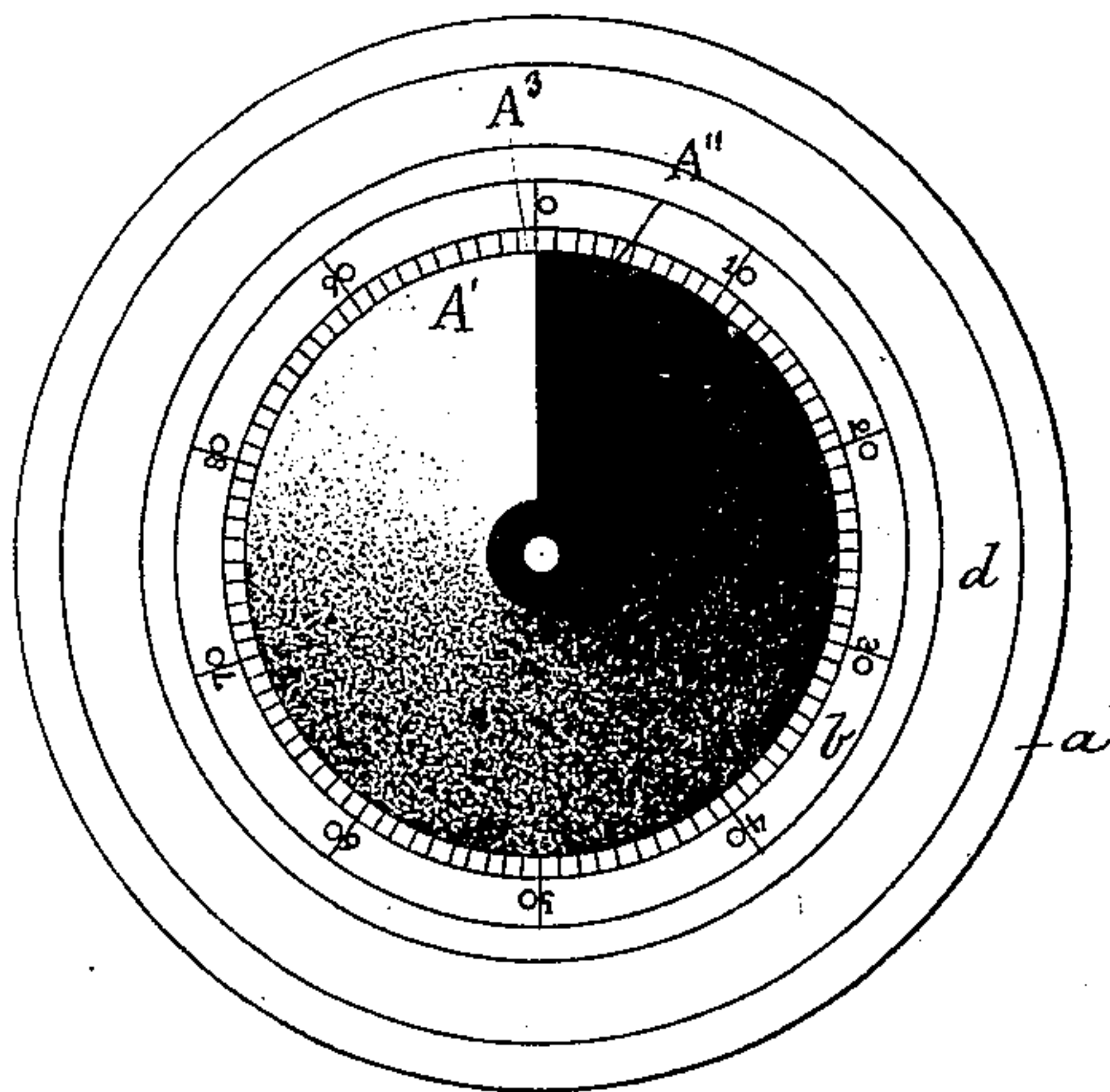
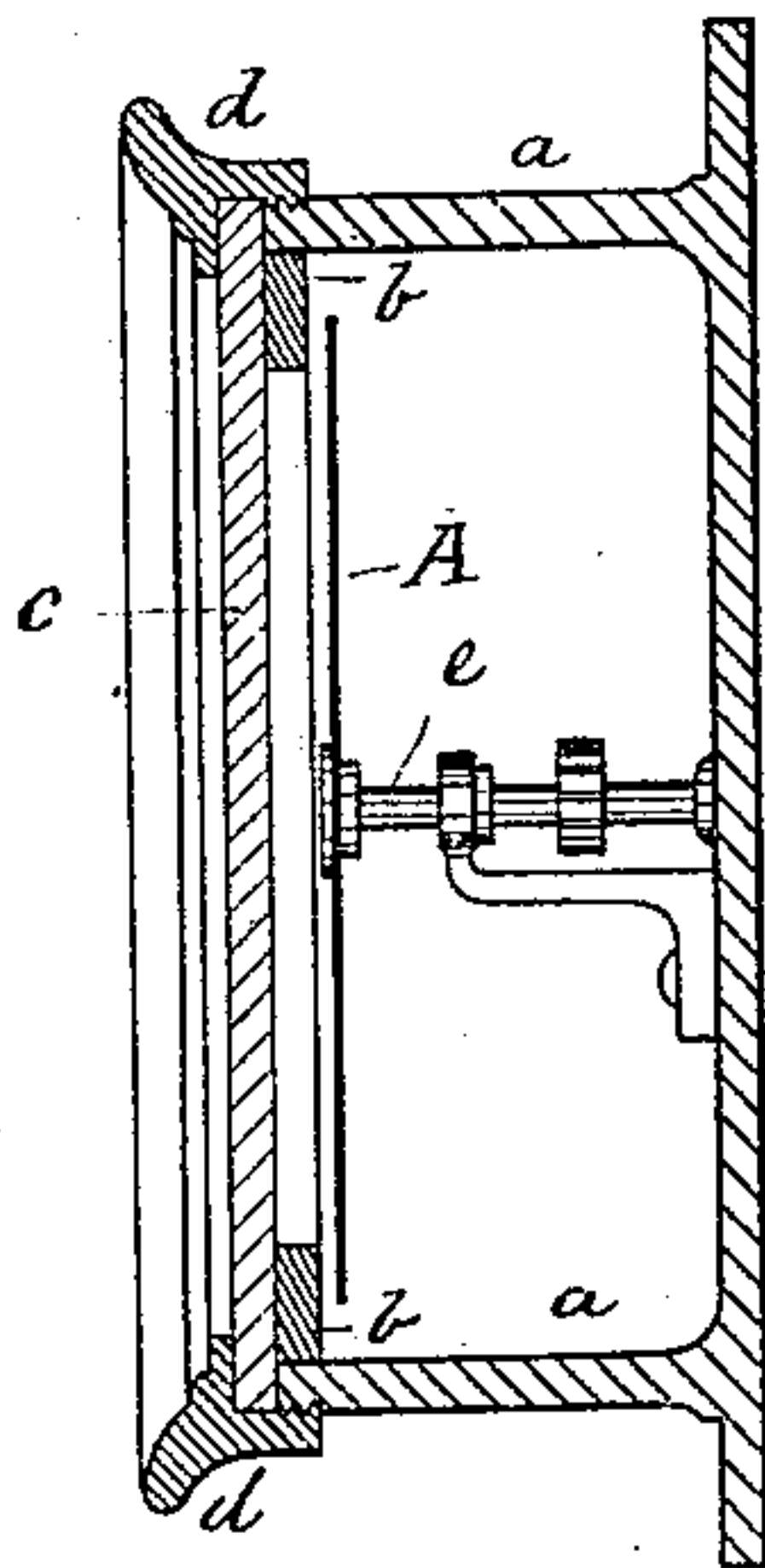


Fig. 2.



Witnesses.
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by
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UNITED STATES PATENT OFFICE.

JAMES E. TREAT, OF BOSTON, MASSACHUSETTS.

INDICATOR-DIAL.

SPECIFICATION forming part of Letters Patent No. 248,624, dated October 25, 1881.

Application filed February 28, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. TREAT, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Indicator-Faces; and I do hereby declare that the same are fully described in the following specification and illustrated in the accompanying drawings.

10 This invention relates to improvements in indicator-faces, and it is applicable to gages of all kinds—barometers, thermometers, and clocks, or similar instruments; and it consists, in combination with a graduated scale, of a movable
15 face-plate having a sharply-defined line at the junction of two contrasting colors, preferably white and black, which colors are made so as to gradually blend into each other, and in this manner to produce a very striking indicator,
20 which may be read at a much greater distance than the ordinary index-pointers now in use on instruments of the kind above mentioned.

Indicator-faces have heretofore been made in the form of two independent spiral disks, of
25 two contrasting colors, one moving by the other, as shown in the patent granted to me on the 5th day of June, 1877, No. 191,624; but the present invention is a great improvement thereon, as by it I am enabled to dispense with
30 one of such disks and to make the single indicator-disk solid and flat, and not spiral, as shown in my aforesaid Letters Patent, by which arrangement the present single disk, with its two contrasting colors, will accomplish the same
35 result in a much better and less complicated manner than the former duplex disks.

I prefer to have the graduated scale stationary and the index face-plate or pointer movable; but the two may be transposed in their
40 relative positions—that is, the graduated scale may be located stationary in the center, and the annular ring may be made in two contrasting and gradually-blending colors, and may be

made movable around the central graduated disk, without departing from the essence of my 45 invention.

The invention is fully represented in the accompanying drawings, of which Figure 1 represents a front elevation of a gage provided with my improved indicator-face, and Fig. 2 represents a central longitudinal section thereof. 50

Similar letters refer to similar parts, wherever they occur, on the different parts of the drawings.

a is the case of an ordinary gage or similar 55 instrument, provided with the annular stationary graduated scale *b*, glass *c*, and screw-threaded cap *d*, as shown in Fig. 2.

e is the movable indicator-spindle, supported in suitable bearings, as usual. 60

To the spindle *e* is secured the indicator-face *A*, which is made with two contrasting colors, *A'* and *A''*, as shown, gradually blending one with the other, and presenting and having at their junction a sharply-defined line, *A³*, that 65 constitutes the index-pointer, in a manner and for the purpose set forth.

What I wish to secure by Letters Patent, and claim, is—

1. An indicator-face, *A*, composed of one single piece and made in two contrasting colors, *A'* and *A''*, gradually blended into each other, so as to produce a sharply-defined index-line, *A³*, as and for the purpose set forth. 70

2. In a gage or similar instrument, the indicator-face *A*, having two contrasting colors, *A'* and *A''*, blended together, and having a sharply-defined line, *A³*, at their junction, in combination with a graduated scale, *b*, as and for the purpose set forth. 75 80

In testimony whereof I have affixed my signature in presence of two witnesses.

JAMES E. TREAT.

Witnesses:

ALBAN ANDRÉN,
HENRY CHADBOURN.