

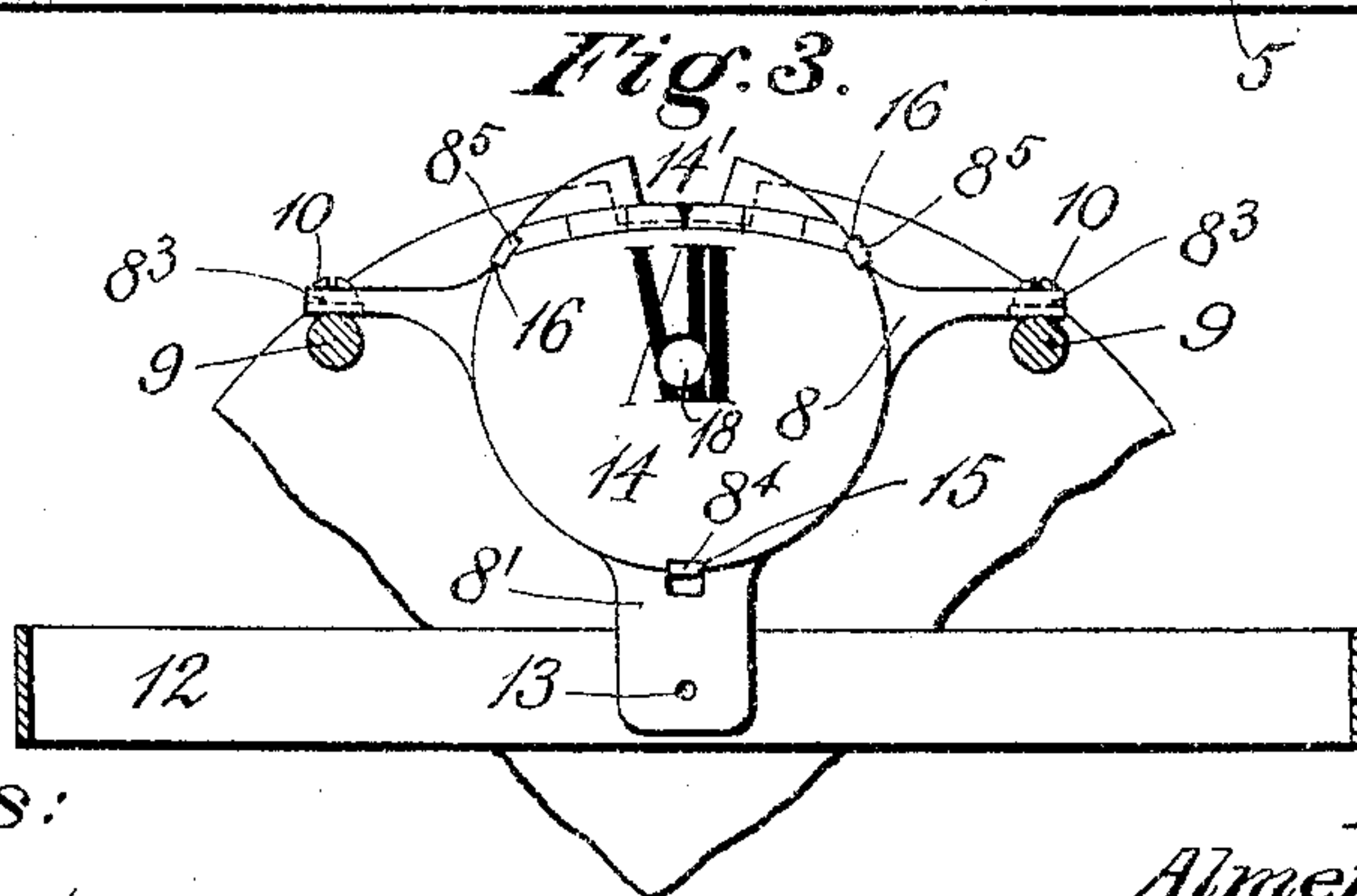
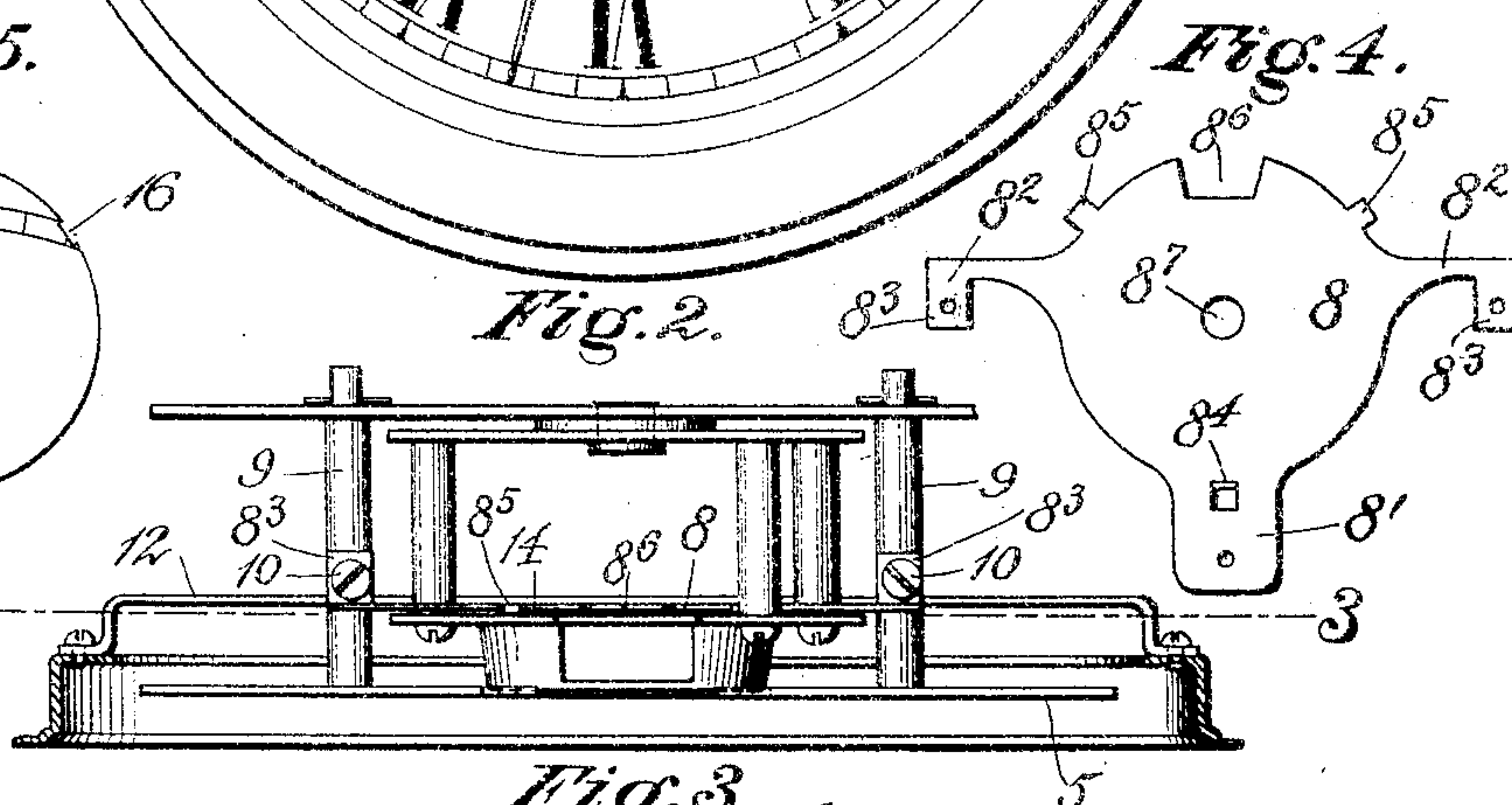
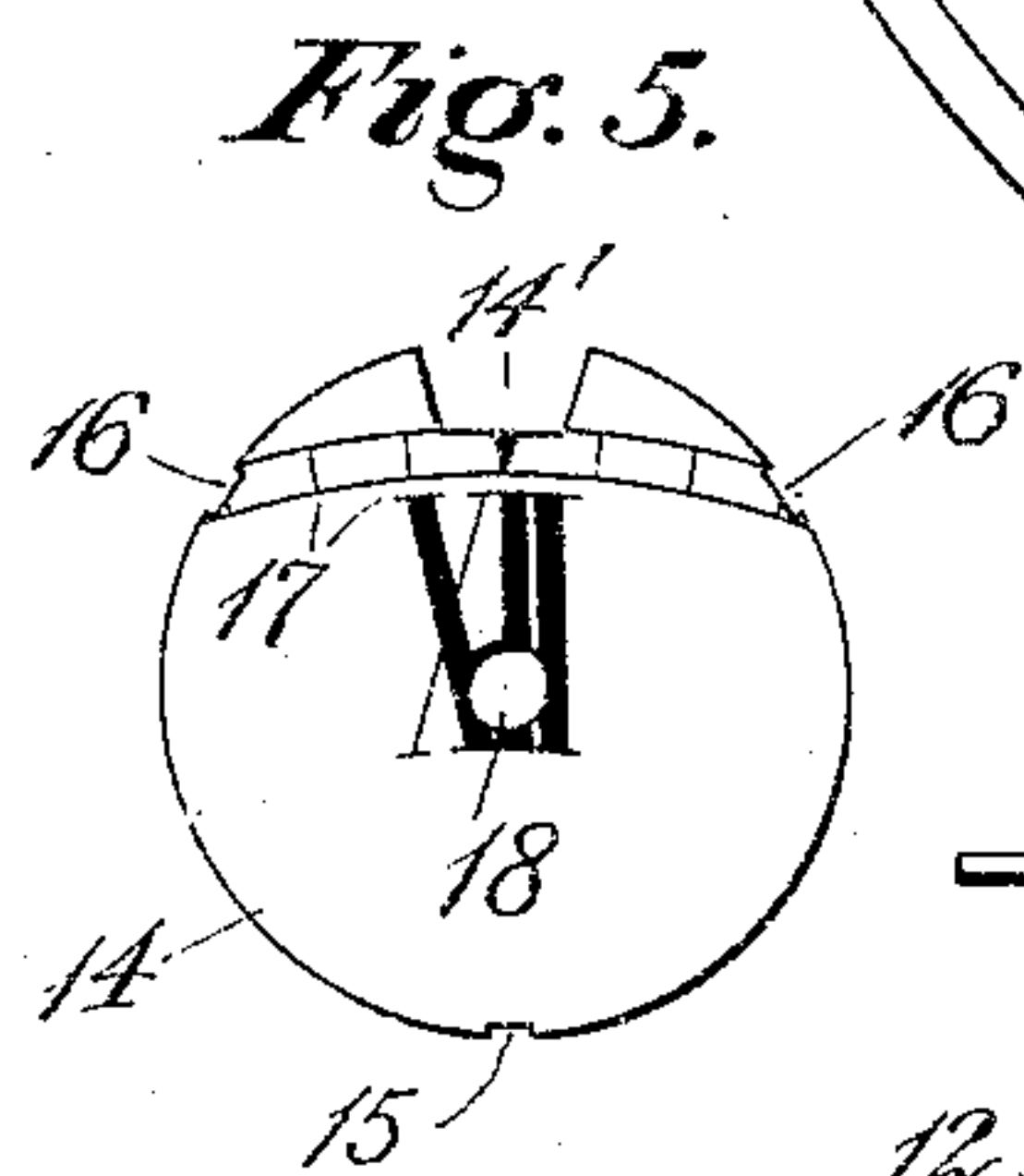
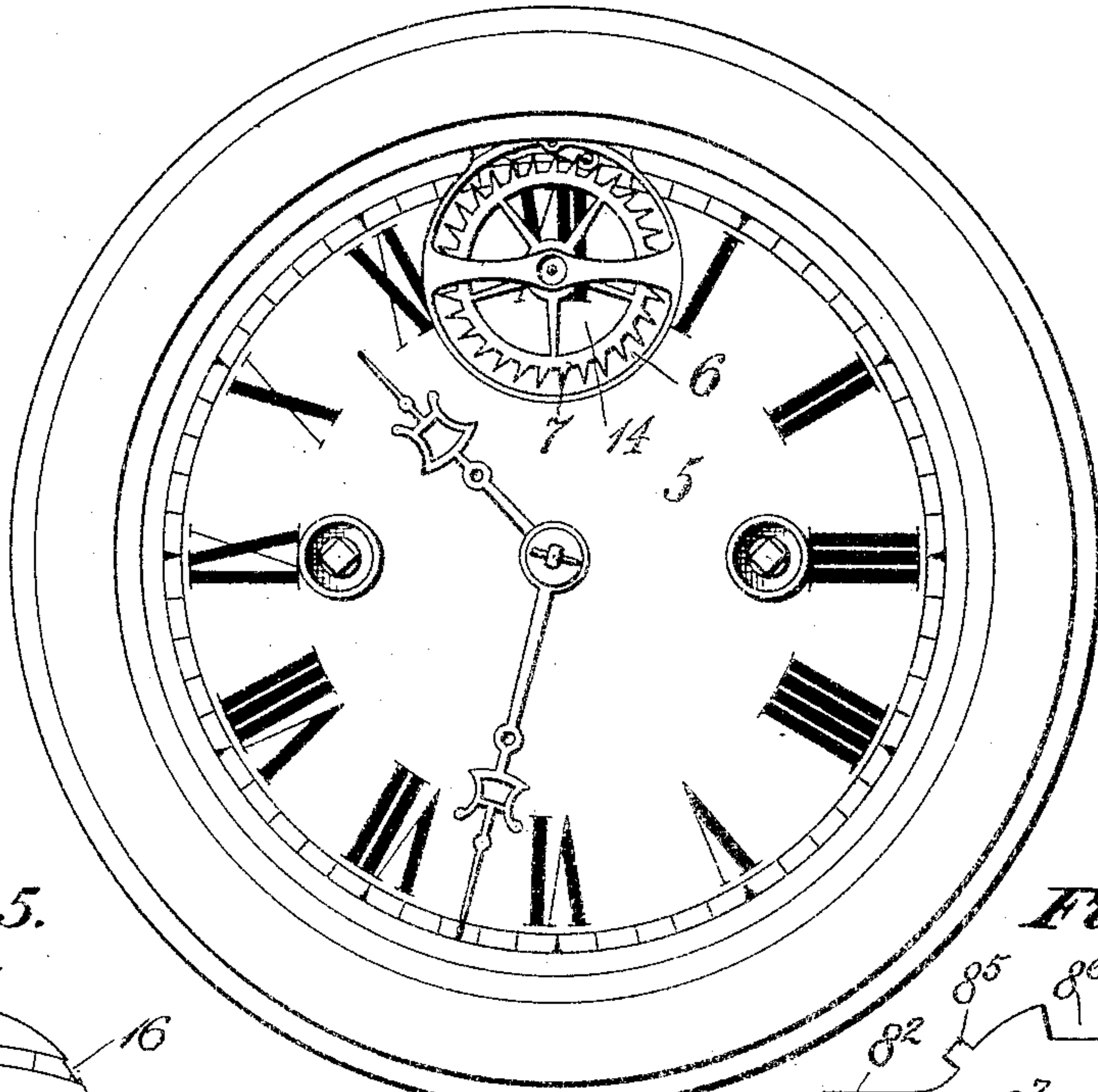
No. 776,856.

PATENTED DEC. 6, 1904.

A. M. LANE.
DIAL FOR TIMEPIECES.
APPLICATION FILED AUG. 24, 1904.

NO MODEL.

Fig. 1.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALMERON M. LANE, OF MERIDEN, CONNECTICUT.

DIAL FOR TIMEPIECES.

SPECIFICATION forming part of Letters Patent No. 776,856, dated December 6, 1904.

Application filed August 24, 1904. Serial No. 221,923. (No model.)

To all whom it may concern:

Be it known that I, ALMERON M. LANE, a citizen of the United States of America, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Dials for Timepieces, of which the following is a specification.

My invention relates to dials for timepieces, and has for its object an improvement in such articles whereby one of the time-indicating characters of the dial will be depressed from the main part of said dial, thus affording space for the escapement and permitting the depressed character to be readily visible, as will be hereinafter explained.

Further objects of the invention are the provision of improved means for securing the depressed character selected in position on the frame back of the escapement and of other details in construction to be hereinafter described.

In the accompanying drawings, in which like numerals designate similar parts throughout the several views, Figure 1 is a front elevation of a timepiece, showing what may be termed the "supplemental dial" back of the escapement-wheel. Fig. 2 is a top plan view, partially in section, showing the parts to which the supplemental dial is attached. Fig. 3 is a sectional view on line 3-3 of Fig. 2. Fig. 4 is a front elevation of one member of the supplemental dial. Fig. 5 is a front elevation of another member of the supplemental dial.

Referring to the drawings, the numeral 5 designates the main dial, which is perforated at 6 to expose the escapement-wheel 7, thus enabling a part of the machinery to be visible, imparting an appearance of life or movement to the timepiece and an all-round pleasing effect, which greatly enhances the value of the same.

Designated by the numeral 8 is a plate having a depending arm 8' and lateral projections 8², having perforated ears 8³. This plate is provided with lugs or lips 8⁴ and 8⁵ and, as illustrated in Fig. 4, is in the shape of a blank, which may readily be punched from sheet metal, and it is slotted or recessed at 8⁶ to receive the arbor of the usual pallet and is per-

forated at 8⁷ to slip over the arbor of the escapement-wheel.

Posts 9 secure the main dial 5 to the frame of the timepiece, and to these posts the ears 8³, which are bent to project laterally from the blank 5, are secured by screws 10, as illustrated in Figs. 2 and 3.

Designated by 12 is a cross-strip secured to the rear of the sash-frame of the timepiece, and to said strip the projection 8' of plate 8 is attached at 13, as illustrated in Fig. 3.

To the plate 8 the supplemental dial 14, containing the character to be viewed through the opening 6 and escapement-wheel 7, is shown secured by bending upon it the lugs or clips 8⁴ 8⁵, as illustrated in Fig. 3, although it may be attached in other ways without departure from the invention. This supplemental dial is shown as a section removed from the main dial 5 and containing the character "XII," and said supplemental dial is notched at 15 to receive the clip 8⁴ and at 16 for the reception of the lugs or clips 8⁵. It is also notched at 14' to register with slot 8⁶ in the plate 8, to thus clear the arbor of the pallet, is provided with minute-indicating marks 17 to continue the circle of the main dial, and it is perforated at 18 to receive the arbor of the escapement-wheel 7.

From what has been stated it will be seen that a compact and strong supplemental-dial attachment is provided, one that is not in the way of any parts of the movement and one that will rigidly secure the supplemental dial in place.

While the invention is shown applied to a pendulum clock, it is not limited in use to any special kind of timepiece.

Changes may be made in various details of the invention, which is not limited to the precise devices shown and described.

Having thus described my invention, what I claim is—

1. The combination, with the main dial of a timepiece, said dial having an opening, of a supplemental dial having a character located back of the opening in the main dial; means for rigidly securing the supplemental dial to the frame; and an escapement-wheel mounted in front of the supplemental dial.

2. The combination, with the dial of a time-
piece, said dial having an opening to expose
the escapement-wheel; said escapement-wheel;
a supplemental dial containing a character;
5 and means for securing said supplemental dial
in position back of the opening and said es-
capement-wheel.

3. The combination, with the main dial of a
timepiece having an opening, of a supplemental
10 dial carrying one of the characters of the main
dial; a plate to which the supplemental dial is
connected; and means for securing said plate
to the frame of the timepiece.

4. The combination, with a main dial hav-
15 ing an opening, of a plate carrying one of the
characters of the main dial; an escapement-
wheel; and means for securing said plate in
position back of the opening in the main dial
and the escapement-wheel.

20 5. The combination, with a main dial hav-
ing an opening, of a supplemental-dial attach-
ment consisting of a plate having arms; means
for securing said arms to the frame back of
the main dial and an escapement-wheel in front
25 of said plate.

6. The combination, with a main dial hav-
ing an opening, of a supplemental dial carrying
one of the characters of the main dial; a plate
having clips for retaining the supplemental
30 dial; and means for securing said plate in po-

sition on the frame back of the opening in the
main dial.

7. The combination, with a main dial hav-
ing an opening, of a plate having clips, lateral
arms and a projection; means for securing said 35
plate to the frame of the timepiece back of the
opening in the main dial; and a supplemental
dial carried by the plate and secured by the
clips thereof, said supplemental dial being
visible through the opening of the main dial. 40

8. The combination, with the frame of a
timepiece of posts thereon; a cross-strip on
the frame of the timepiece; a plate having ears
secured to the posts and a projection attached
to the cross-strip; a supplemental dial carried 45
by the plate; and a main dial having an open-
ing for the inspection of the supplemental
dial.

9. The combination, with a main dial hav-
ing an opening, of an escapement-wheel adja- 50
cent to said opening; a plate perforated to re-
ceive the arbor of the escapement-wheel; and
a supplemental dial secured to the plate back
of said opening and escapement-wheel.

In testimony whereof I affix my signature in 55
presence of two witnesses.

ALMERON M. LANE.

Witnesses:

FRANCES E. BLODGETT,
H. P. CAMP.