

BEST AVAILABLE COPY

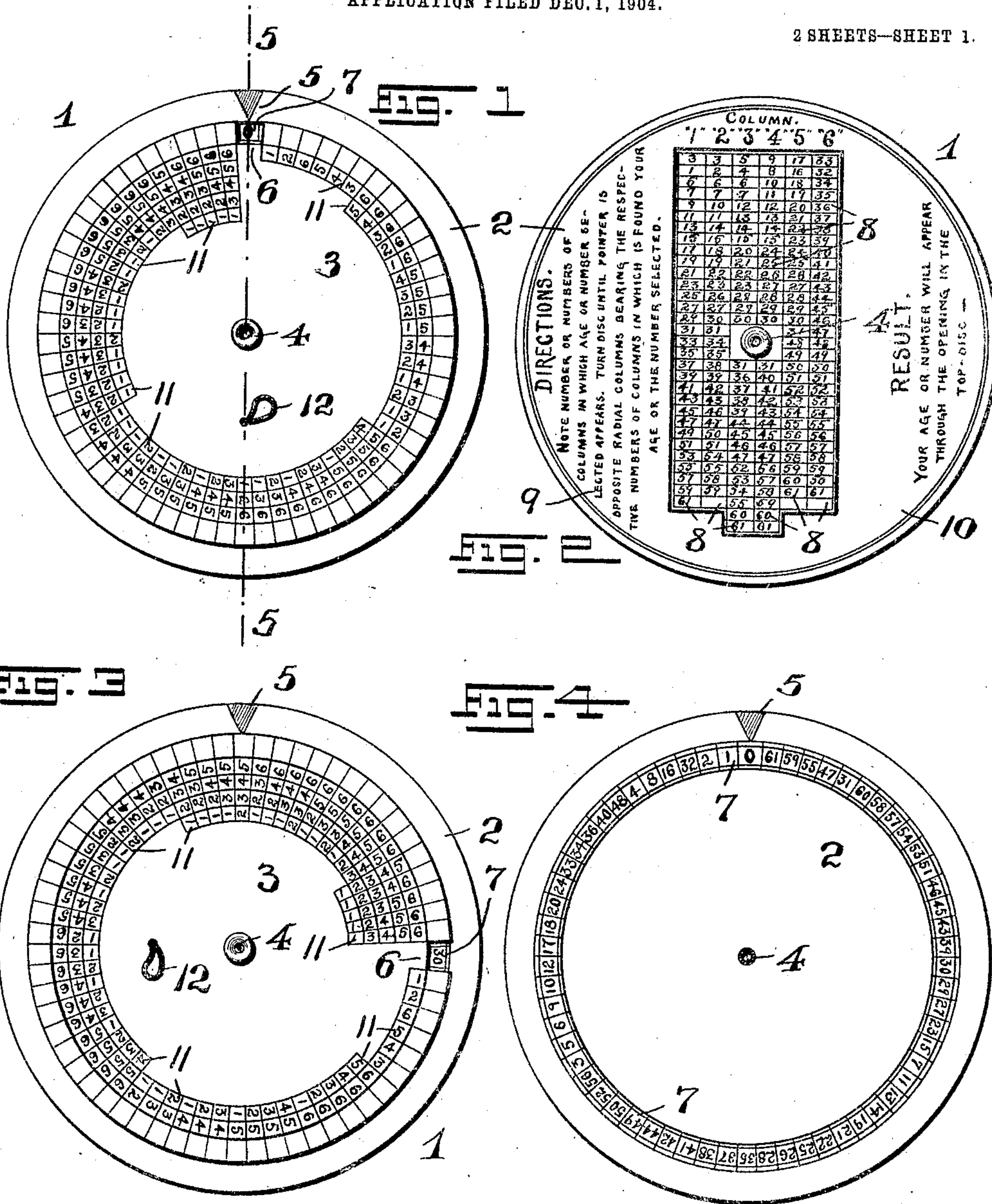
No. 785,585.

PATENTED MAR. 21, 1905.

R. WILSON.
AGE AND NUMBER INDICATOR.

APPLICATION FILED DEC. 1, 1904.

2 SHEETS—SHEET 1.



WITNESSES:
Geo. D. Richards
F. B. W. Fraentzel.

INVENTOR:
Robert Wilson,
BY
Fred C. Fraentzel,
ATTORNEY

BEST AVAILABLE COPY

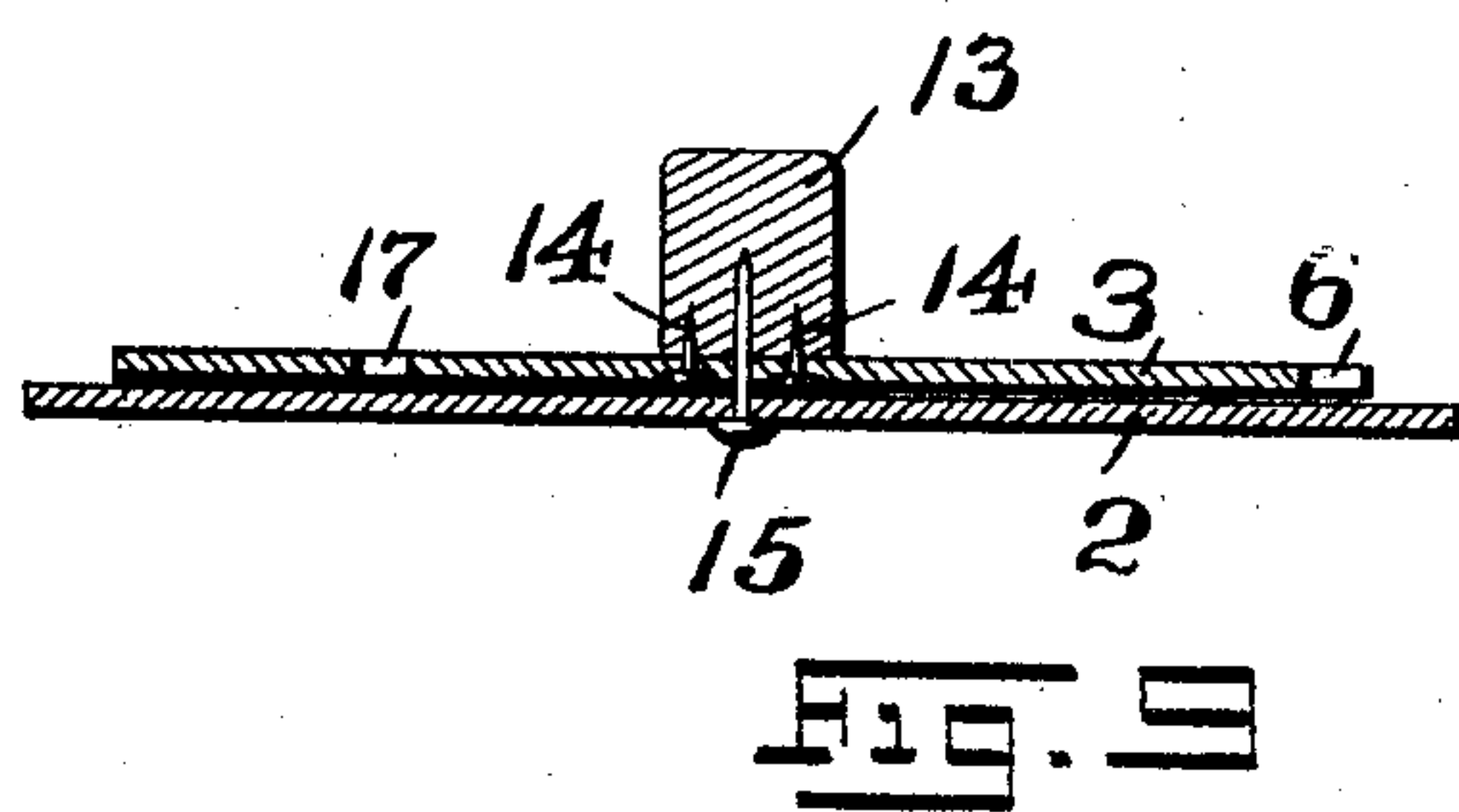
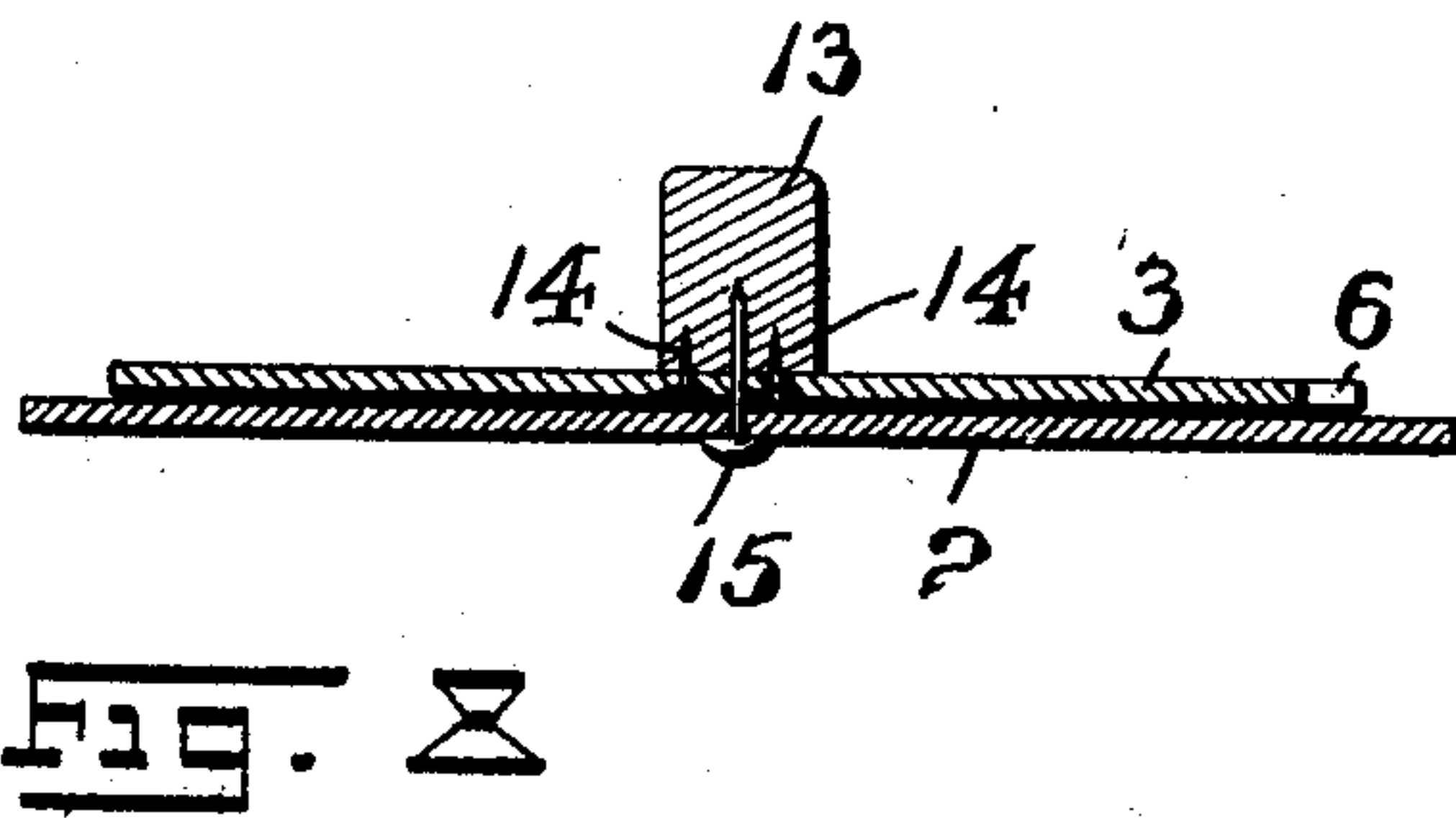
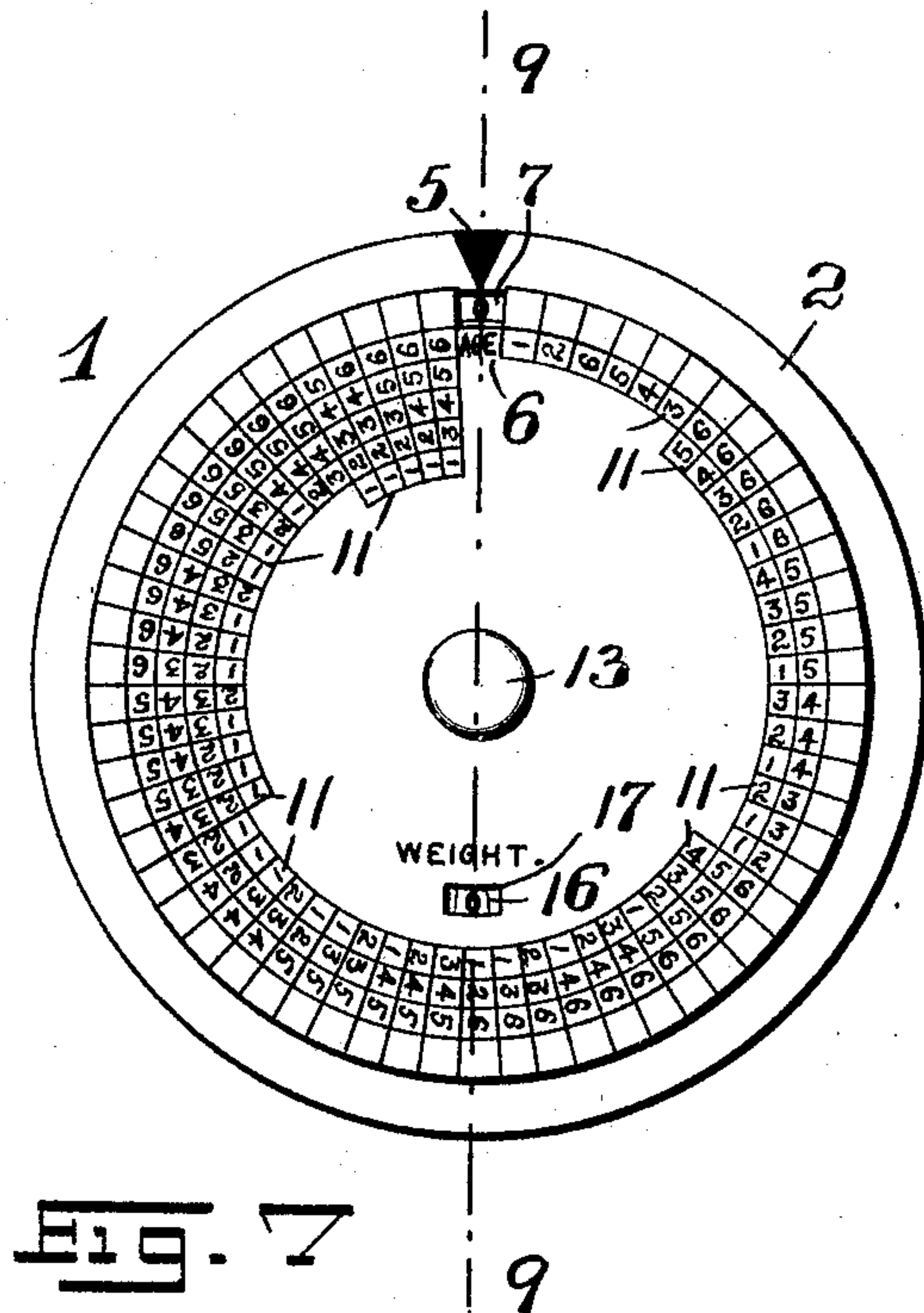
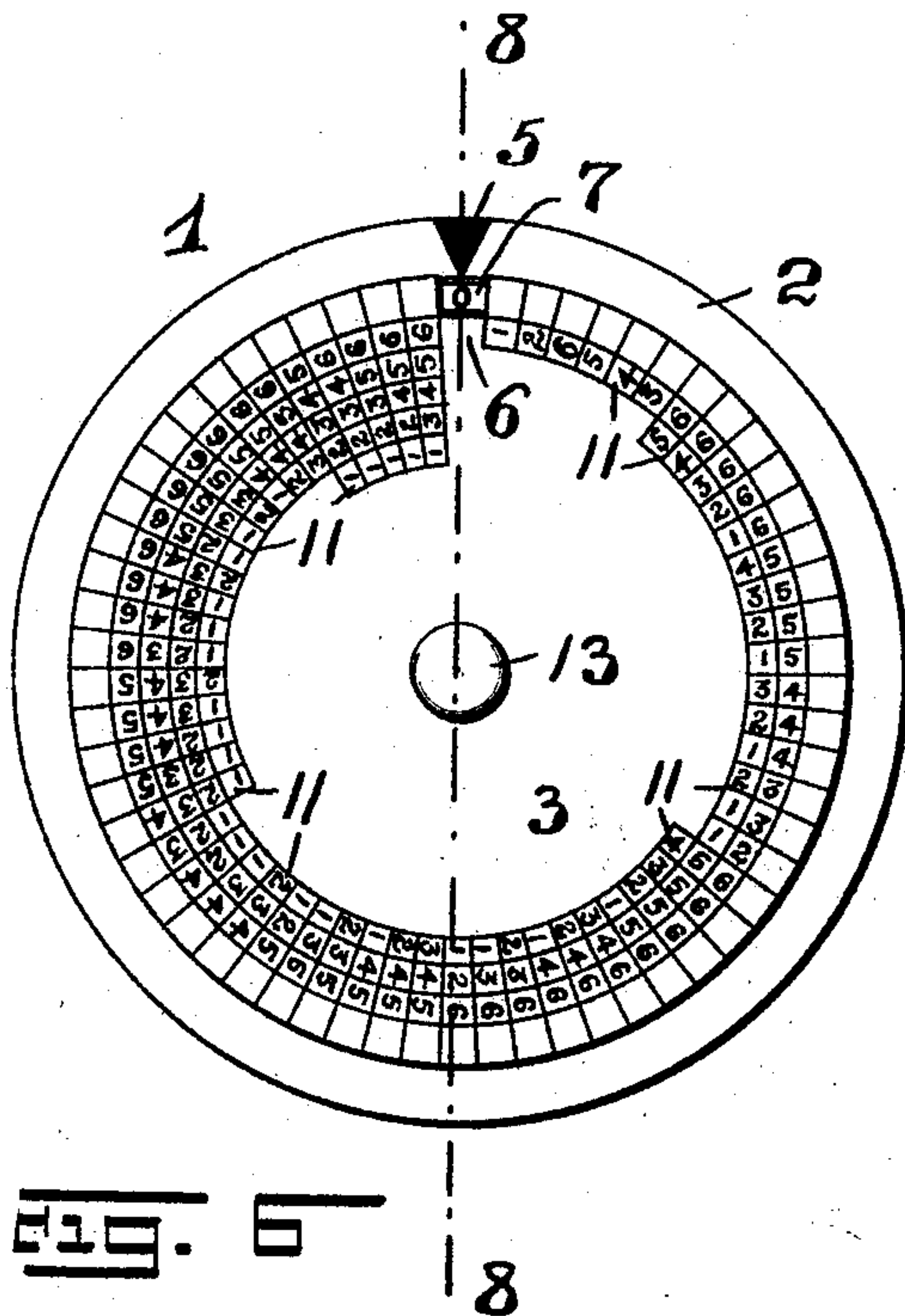
No. 785,585.

PATENTED MAR. 21, 1905.

R. WILSON.
AGE AND NUMBER INDICATOR.

APPLICATION FILED DEC. 1, 1904.

2 SHEETS—SHEET 2.



WITNESSES:

Geo. D. Richards
W. H. W. Fraentzel

INVENTOR;

Robert Wilson,
BY
Fred C. Fraentzel,
ATTORNEY

UNITED STATES PATENT OFFICE.

ROBERT WILSON, OF NEWARK, NEW JERSEY, ASSIGNOR OF ONE-FOURTH TO F. LIBERTY U. MCCARROLL, OF NEWARK, NEW JERSEY, AND THREE-FOURTHS TO NELSON P. BROWER, OF RAHWAY, NEW JERSEY.

AGE AND NUMBER INDICATOR.

SPECIFICATION forming part of Letters Patent No. 785,585, dated March 21, 1905.

Application filed December 1, 1904. Serial No. 234,993.

To all whom it may concern:

Be it known that I, ROBERT WILSON, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Age and Number Indicators; 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 numerals of reference marked thereon, which form a part of this specification.

This invention has reference to improvements in that class of calculators comprising a novel arrangement of cards or disks bearing suitably-disposed numbers, the arrangement of the said cards or disks being such that by the proper manipulation of the said cards or disks, according to the selection of a number upon the back of the one card or disk, the same number can be made to appear upon the front of the device and preferably through a reading-opening in the front card or disk, which is operatively connected with the first-mentioned card or disk, substantially as will be hereinafter more particularly set forth.

My present invention has for its principal object to provide a novel and simply-constructed device which may be used as an age or number indicator and may also be readily employed for advertising and other purposes.

A further object of this invention is to provide an age-indicator or number-finder, from which may be derived much pleasure and amusement.

The invention consists, primarily, in the novel age or number indicator hereinafter more particularly set forth; and, furthermore, this invention consists in the arrangements and combinations of parts, as well as in the details of the construction of the same, all of which will be fully described in the following specification and then finally embodied in the clauses of the claim which are appended to and form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a face view of an age or number indicator embodying the principles of my present invention, the parts being represented in their normal initial positions; and Fig. 2 is a rear or back view of the same. Fig. 3 is a face view of the device with the movable cards or disks of the device in one of their operated positions, and Fig. 4 is a face view of the rear card or disk of the device. Fig. 5 is a transverse vertical section taken on line 5 5 in Fig. 1 of the drawings. Figs. 6 and 7 are face views of two slightly-modified forms of age or number indicators, but still embodying the principles of this invention. Fig. 8 is a transverse vertical section taken on line 8 8 in said Fig. 6 of the drawings, and Fig. 9 is a similar section taken on line 9 9 in said Fig. 7 of the drawings.

Similar characters of reference are employed in the above-described views to indicate corresponding parts.

Referring now to the several figures of the said drawings, the reference character 1 indicates the complete age or number indicator, and the same comprises a rear card or disk 2 and a front card or disk 3, the said cards or disks being preferably of a circular marginal configuration, as shown, and being centrally and rotatably connected by means of a suitable eyelet connection 4 or other suitable pivotal connection, as will hereinafter appear.

The front card or disk 3 is preferably made slightly smaller than the rear card or disk 2, that the marginal edge of the rear card or disk 2 will project concentrically beyond the marginal edge of the said front card or disk 3, substantially in the manner shown, and that the said rear card or disk 2 may be provided with a suitably-formed indicating device or pointer, as 5. The said front or face card or disk 3 is made with a suitably-disposed reading-opening 6 in alinement with a circular division or spacing 7 of figures upon the front face of the said rear card or disk 2, comprising a suitable number of divisions or radially-extending spaces, each division or space be-

ing provided with an age or other indicating number, as clearly illustrated in Fig. 4 of the drawings. Thus when the two cards or disks 2 and 3 have been rotatively connected by means of the said eyelet connection 4 a number in said circular division 7 of the rear card or disk 2 will always be exposed to view through the said reading-opening 6 of the card or disk 3, as clearly illustrated in Figs. 1, 3, 6, and 7 of the drawings.

Referring now to Fig. 2 of the drawings, it will be seen that the rear card or disk 2 is also provided upon its rear face with an arrangement of vertical columns 8, the said columns 8 being divided into smaller spaces or divisions in which are found variously-disposed age and other indicating numbers, substantially as shown in said Fig. 2 of the drawings. The said columns 8 are also indicated in a general manner and for the purposes to be presently more fully described by the word "Column" and the numbers "1," "2," "3," "4," "5," and "6" at the top of the respective columns, as illustrated. The arrangement of the said columns 8 upon the back or rear of the card or disk 2 is such that suitable spaces 9 and 10 may be provided in which are printed or otherwise produced certain "Directions for use" and any other suitable matter that may be desired, such as an advertisement or the like.

The front card or disk 3 is formed upon its face with concentrically-disposed divisions, as 11, divided into radially-disposed spaces, as shown. There are six of these concentric divisions 11, corresponding to the number of columns 8 upon the back or rear of the said card or disk 2, the lengths of these divisions varying according to the numbers used in each division. As shown, these divisions 11 are provided with numbers from "1" to "6," inclusive, each number indicating one of the columns 8 upon the back of the said card or disk 2. For the purpose of producing a rotary movement of the front or upper card or disk 3 upon the rear card or disk 2 the said card or disk 3 may be provided with a suitably-arranged loop or finger-piece, as 12.

Briefly, the device or indicator is used in the following manner: Upon the back of the rear card or disk first note in which column or columns the age or number to be selected appears. Thus if the number or age selected is "30" this number will be found in the columns "2," "3," "4," and "5." The card or disk 3 is now turned to bring the concentric divisions 11 with the radially-disposed spaces in which the corresponding numbers "2," "3," "4," and "5" are found directly opposite the pointer or index 5, and the result will be that the reading-opening 6 of the said outer or front card or disk 3 having moved to the point indicated in Fig. 3 of the drawings the age or number—namely, "30"—will be exposed to view, thereby indicating to the ma-

nipulator of the device that this is the number which was previously selected.

Of course it will be understood that in lieu of the eyelet connection 4 any other means of fastening the two cards or disks 2 and 3 in their rotative relation may be employed, and instead of the loop or finger-piece 12 any other suitable means may be used, as will be clearly evident. Thus in Figs. 6, 7, 8, and 9 of the drawings the upper or front card or disk 3 is provided with a centrally-disposed knob 13, of wood or any other suitable material, which is secured upon the face of the said card or disk 3 by means of tacks or pins 14 or other suitable fastening means, the said disks or cards 2 and 3 being rotatably secured together by means of a pivot-pin 15, which is forced through the two cards or disks and into the said knob 13, substantially as shown. If desired, the said rear card or disk 2 may be provided with a second circular division 16, having spaces provided with numbers indicating the approximate weight of a person at the corresponding age, the said weight being exposed to view through a second opening 17 in the front card or disk 3, substantially as illustrated in Figs. 7 and 9 of the drawings.

I am aware that various changes may be made in the arrangements and combinations of the parts, as well as in the details of the construction of the parts thereof, without departing from the scope of this invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as described in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of the said parts.

Having thus described my invention, what I claim is—

1. An age or number finding and indicating device, comprising rotatively-arranged disks, one of said disks bearing upon its back columns containing numbers, and having upon its opposite face a circular division divided into number-bearing spaces, said other disk being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, substantially as and for the purposes set forth.

2. An age or number finding and indicating device, comprising rotatively-arranged disks, one of said disks bearing upon its back columns containing numbers, and having upon its opposite face a circular division divided into number-bearing spaces, said other disk being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, and a finger-piece for rotating the said disk which is provided with said concentric divisions, substantially as and for the purposes set forth.

3. An age or number finding and indicating

device, comprising rotatively-arranged disks, one of said disks bearing upon its back columns containing numbers, and having upon its opposite face a circular division divided into number-bearing spaces, and an index on said disk, said other disk being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, substantially as and for the purposes set forth.

4. An age or number finding and indicating device, comprising rotatively-arranged disks, one of said disks bearing upon its back columns containing numbers, and having upon its opposite face a circular division divided into number-bearing spaces, and an index on said disk, said other disk being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, and a finger-piece for rotating the said disk which is provided with said concentric divisions, substantially as and for the purposes set forth.

5. An age or number finding and indicating device, comprising a pair of disks 2 and 3, and an eyelet connection between said disks, by means of which said disks are rotatively connected, said disk 2 bearing on its back columns containing numbers, and having on its opposite face a circular division divided into number-bearing spaces, said disk 3 being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, substantially as and for the purposes set forth.

6. An age or number finding and indicating device, comprising a pair of disks 2 and 3, and an eyelet connection between said disks, by means of which said disks are rotatively connected, said disk 2 bearing on its back columns containing numbers, and having on its

opposite face a circular division divided into number-bearing spaces, said disk 3 being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, and a finger-piece on said disk 3 for rotating said disk, substantially as and for the purposes set forth.

7. An age or number finding and indicating device, comprising a pair of disks 2 and 3, and an eyelet connection between said disks, by means of which said disks are rotatively connected, said disk 2 bearing on its back columns containing numbers, and having on its opposite face a circular division divided into number-bearing spaces, and an index on said disk 2, said disk 3 being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, substantially as and for the purposes set forth.

8. An age or number finding and indicating device, comprising a pair of disks 2 and 3, and an eyelet connection between said disks, by means of which said disks are rotatively connected, said disk 2 bearing on its back columns containing numbers, and having on its opposite face a circular division divided into number-bearing spaces, and an index on said disk 2, said disk 3 being provided with a reading-opening, and a series of concentric divisions, each division being divided into spaces bearing a column-indicating number, and a finger-piece on said disk 3 for rotating said disk, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 29th day of November, 1904.

ROBERT WILSON.

Witnesses:

FREDK. C. FRAENTZEL,
GEO. D. RICHARDS.