

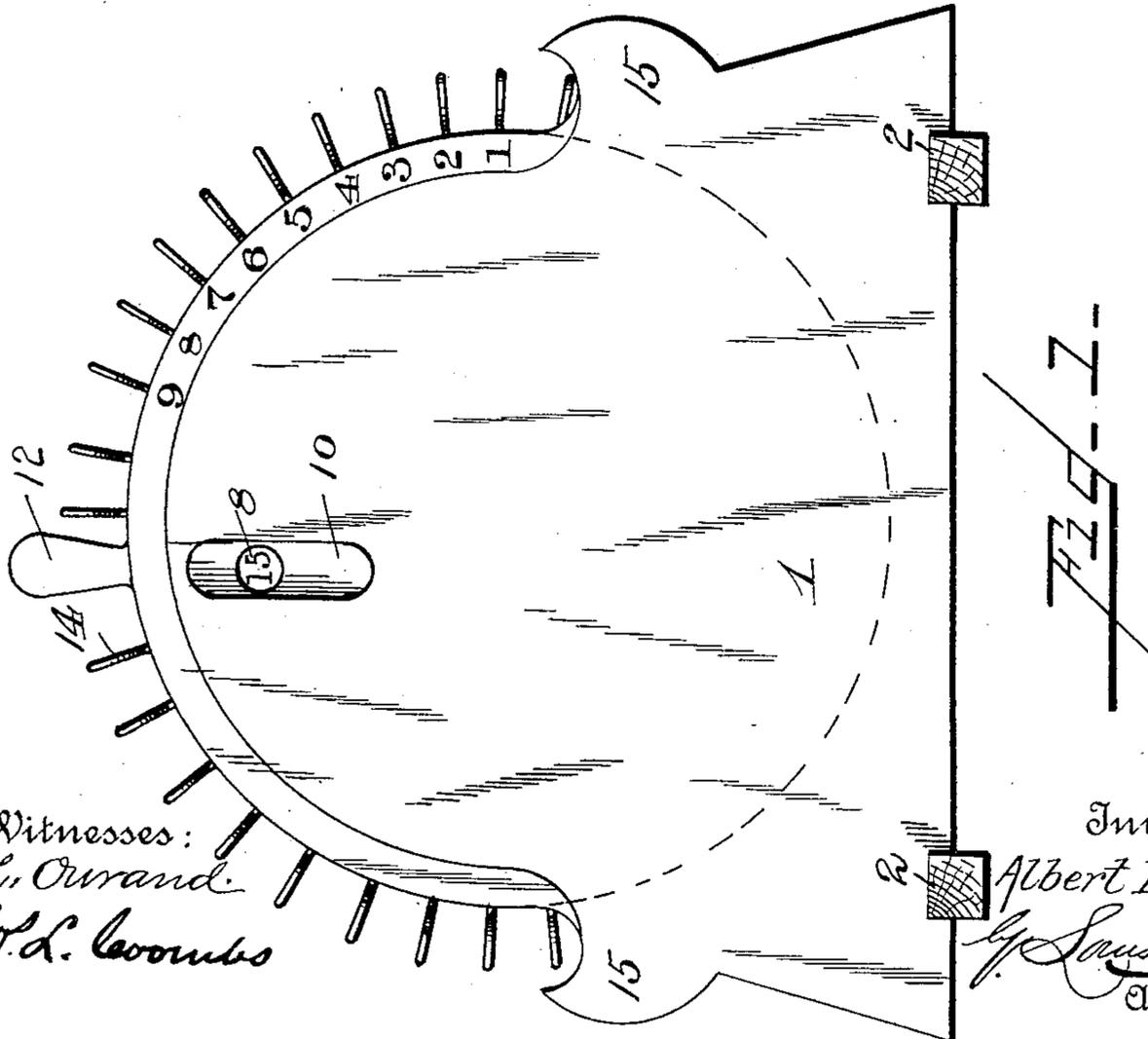
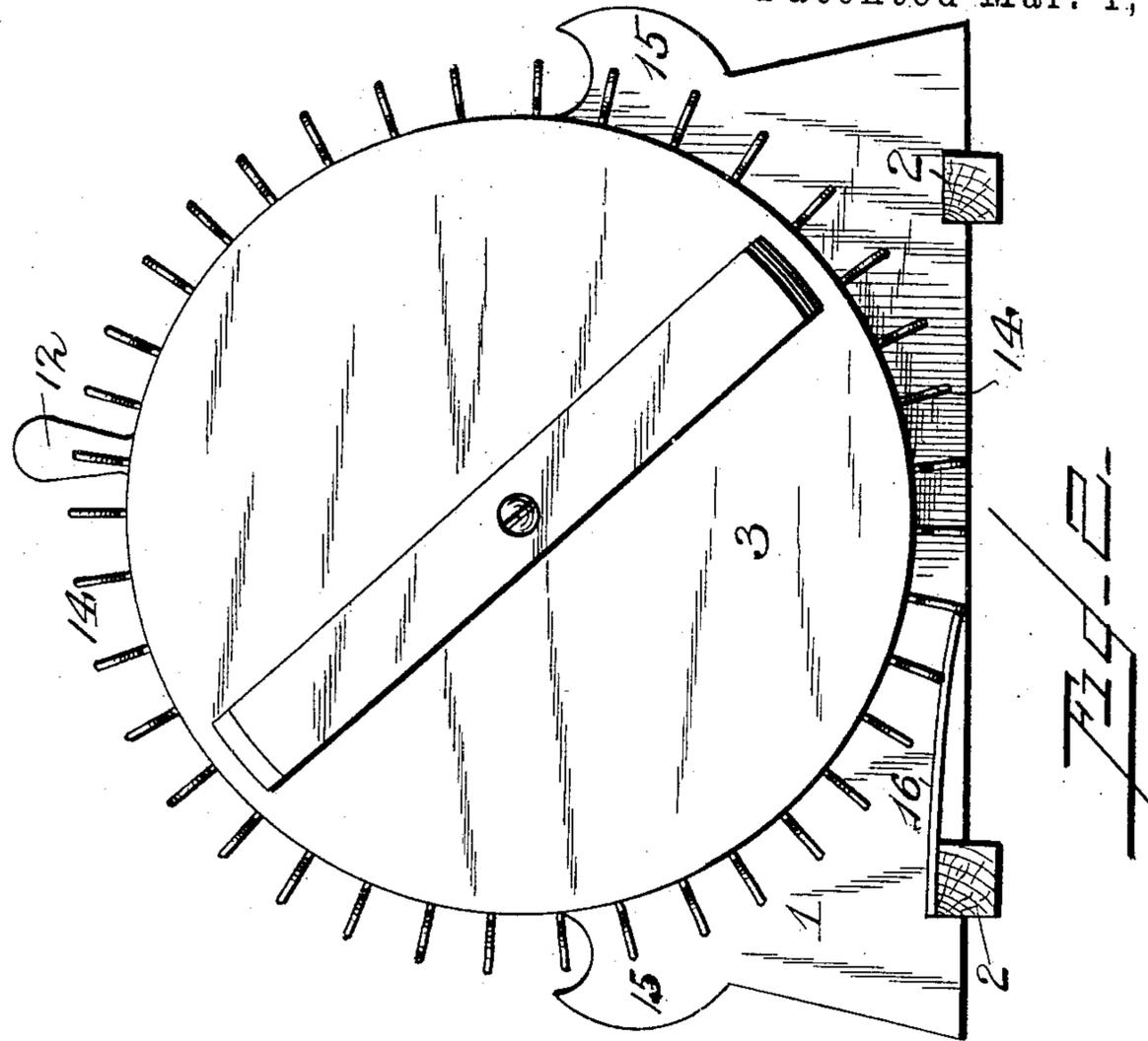
(No Model.)

2 Sheets—Sheet 1.

A. L. PLATT.
ADDING MACHINE.

No. 599,730.

Patented Mar. 1, 1898.



Witnesses:
F. L. Ourand
J. D. Coombs

Inventor:

Albert L. Platt,

By Louis Ruggie & Co.
Attorneys.

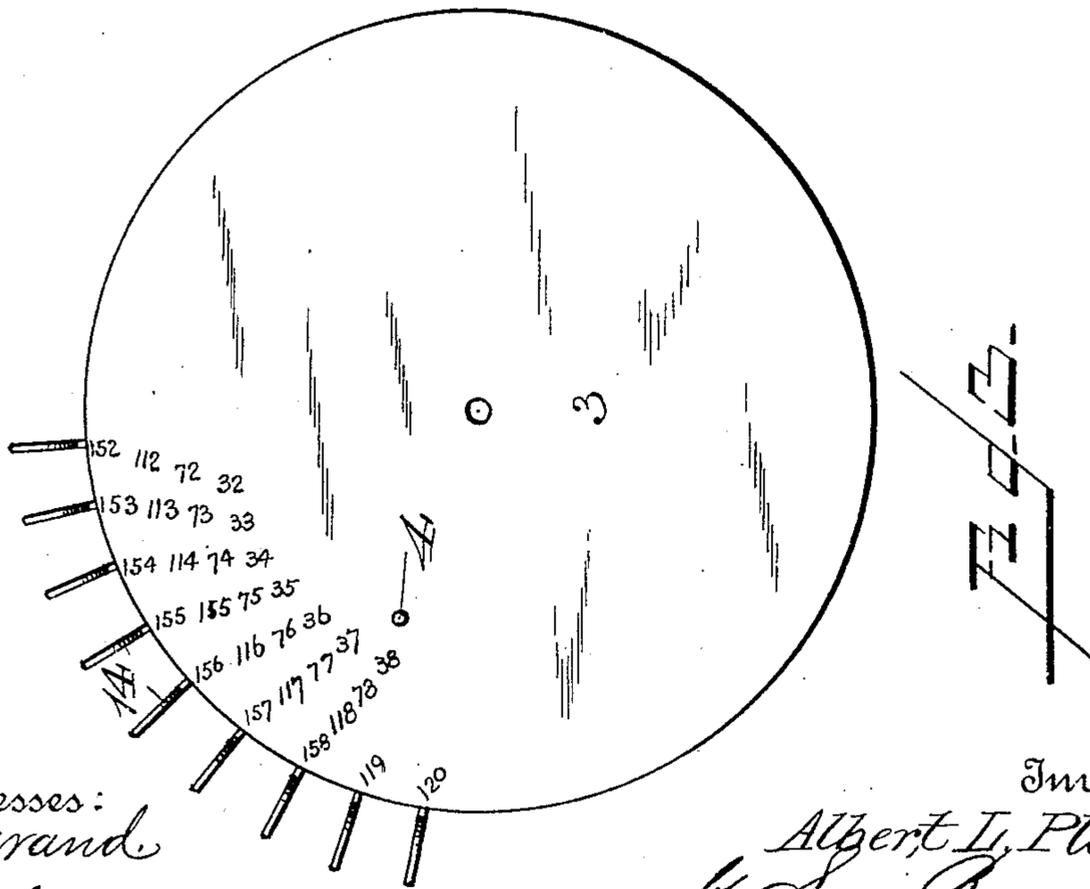
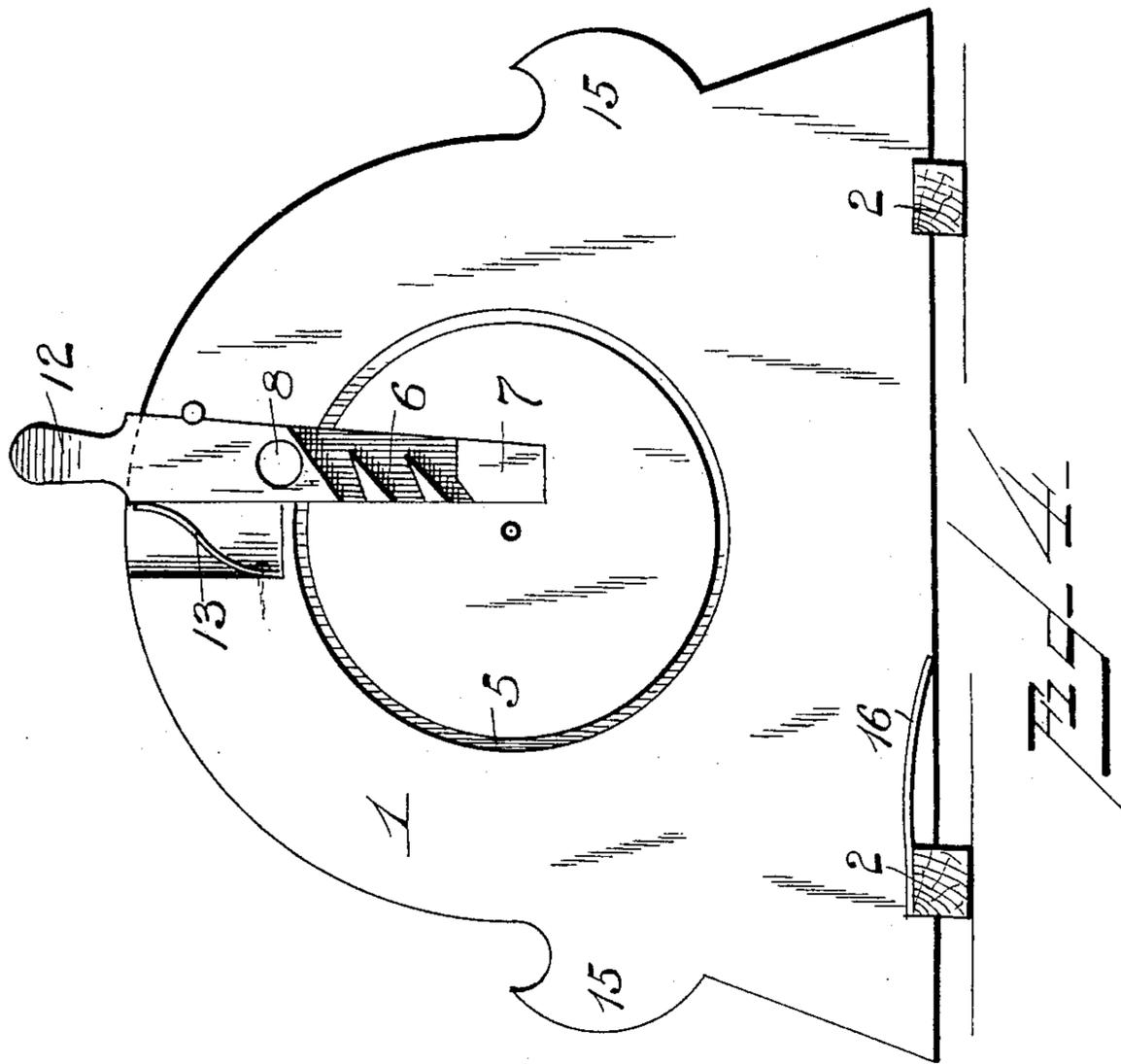
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

ALBERT L. PLATT, OF CLINTON, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO JOHN M. WILCOX AND FRED BALL, OF SAME PLACE.

ADDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 599,730, dated March 1, 1898.

Application filed July 17, 1897. Serial No. 644,974. (No model.)

To all whom it may concern:

Be it known that I, ALBERT L. PLATT, a citizen of the United States, and a resident of Clinton, in the county of De Witt and State of Illinois, have invented certain new and useful Improvements in Adding-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in adding-machines, and its object is to provide an improved construction of the same which shall possess superior advantages with respect to efficiency in use.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is an elevation of an adding-machine constructed in accordance with my invention. Fig. 2 is a similar view looking from the opposite side. Fig. 3 is a view looking from the inside of the rotatable disk. Fig. 4 is a view of the frame looking from the inside, the rotatable disk being removed.

In the said drawings the reference-numeral 1 designates a frame or plate circular at the upper portion and supported at the lower end upon blocks 2. The numeral 3 designates a rotatable disk pivoted centrally to the said frame or plate and provided with four or more concentric rows of figures consecutively arranged. This disk is provided with a pin 4, which works in a concentric groove 5 in the plate 1, and is adapted to engage with inclined grooves 6 in a vertically-movable wedge-shaped bar 7, formed with a hole 8, which coincides with a slot or opening 10 in the plate 1. This bar at its outer end is formed with a handle 12, and it works in a recess in the inner side of frame 1. The numeral 13 designates a spring-rod, the upper end of which bears against said bar and by its tension serves to hold it in place. The disk is provided with a number of peripheral keys 14, equal in number to the figures in each

row in the disk, and the plate or frame 1 is provided with a number of fingers arranged consecutively from "1" to "9." The plate 1 is provided at opposite sides with stops 15.

The numeral 16 designates a spring-plate for preventing backward movement of the disk.

In practice the bar 7 is pushed inward to its fullest extent, so that the hole therein will uncover the figures or numerals on the inner circle of the disk and the latter turned so that "0" will come opposite said hole. Supposing that it is desired to add, say, nine and six, then the key of the disk opposite the numeral "9" on the frame is depressed until it reaches the stop 15 at the right. This will turn the disk so that the numeral "9" will appear at the opening in the bar. The key opposite numeral "6" will be correspondingly operated, showing "15" at said opening, and so on. When the disk has made an entire revolution, the pin will engage with the first groove in bar 7, moving the latter outward, so that the hole will come into coincidence with the second circle of figures on the disk. The operation can thus be repeated until all the figures have been used. Two or more columns can be readily added, as will be readily understood by those familiar with the art.

The plates between which the disk is located may be utilized for advertising purposes, the advertisements being painted or otherwise produced thereon.

Having thus fully described my invention, what I claim is—

1. In an adding-machine, the combination with the frame having a slot therein, and the rotatable disk having a series of concentrically-arranged rows of figures and the peripheral keys, of the sliding bar having a hole therein and means for automatically operating said bar, substantially as described.

2. In an adding-machine, the combination with the frame, having a slot and a side stop, and formed with a circular groove in the inner face, of the rotatable disk provided with a pin engaging with said groove, the slidable bar formed with a hole and inclined grooves, substantially as described.

3. In an adding-machine, the combination with the plates one of which is provided with

a series of numerals on its outer face and formed with a slot, a concentric groove on its inner face, a recess, and a stop at one side, and the pivoted disk provided with a pin
5 working in said groove, a series of peripheral keys, and a number of concentric circles, of consecutively-arranged figures, of the slidable block having a hole therein and formed with inclined grooves with which said pin en-

gages, the spring-rod and spring-plate, substantially as described. 10

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ALBERT L. PLATT.

Witnesses:

A. J. GAYHAGEN,
CHAS. M. MCKINNEY.