

C. C. CURTISS & J. CURTIS.

INDICATOR.

No. 187,823.

Patented Feb. 27, 1877.

Fig. 2.

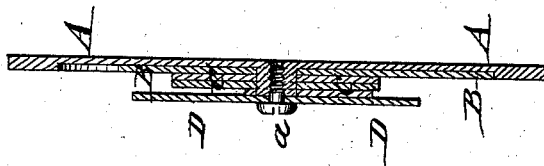
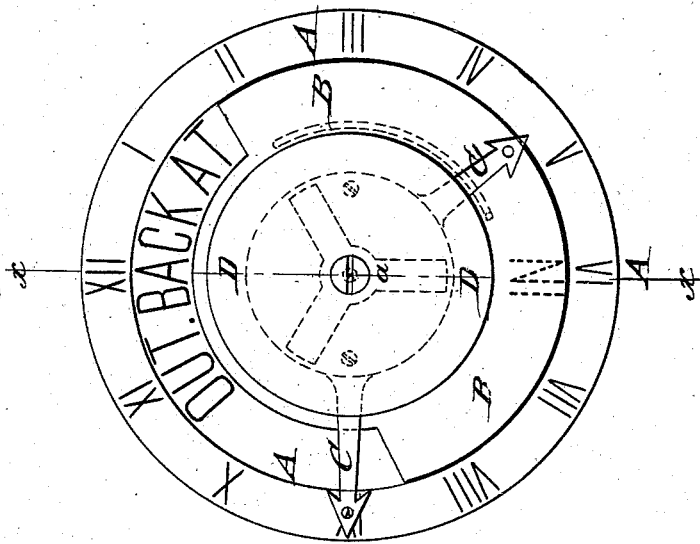


Fig. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE,

CHARLES C. CURTISS AND JAMES CURTIS, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN INDICATORS.

Specification forming part of Letters Patent No. **187,823**, dated February 27, 1877; application filed January 19, 1877.

To all whom it may concern:

Be it known that we, CHARLES C. CURTISS and JAMES CURTIS, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Indicator, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view, and Fig. 2 a vertical central section, of my improved office-dial, taken on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish for office-doors, or the bulletin-boards in the lower halls or stairways, an improved dial, on which a business-man, upon leaving his office, may indicate with great facility whether he is in or out, or that he is out and back at a certain time; and the invention consists of a base-dial, with the hours and the words "In," "Out," "Back at" marked thereon, on which, within the outer circumference, a second partly-recessed plate or disk is guided, and above the same one or two index-hands for indicating the time, the recessed plate and hands being returned by a face-plate or disk.

In the drawing, A represents the base-dial, that is attached either by two or more screws passing through suitable holes to the office-door, or to the bulletin-board in the lower hall or stairway, or secured to the door by a center-bolt passing through the door and being retained at the inside by a fastening-nut. The dial-plate A is marked along the circumference like a watch-dial, with the numbers from 1 to 12, the part within the numbers being recessed to guide therein a disk-plate, B, turning on the fixed center pivot or bolt. The disk-plate B is recessed along part of its circumference to admit, when properly set, the reading off of the words "In," or "Out," or "Out, back at," marked on the dial-plate A. The disk-plate B may be moved by means of a projecting pin, serving as handle, or, when at some height, by means of a pointed or hooked rod, engag-

ing holes or pegs of the disk-plate. The distance to which the disk B may be moved in either direction, so as to exhibit the desired words in proper manner, may be controlled by a pin projecting from the under side of disk B, and moving in a guide-slot of the disk-plate, as indicated in dotted lines in Fig. 1. One or two hands, C, turn by perforated and disk-shaped ends on the center pivot or bolt, and are readily set along the dial-plate to any time at which the business-man intends to return. They may be set in similar manner as the disk B by a rod when applied out of reach on a bulletin-board. A top or face plate, D, retains the movable disk-plate and hands C, and binds on the same, so that they do not play loose.

The face-plate may be finished in suitable ornamental manner with number of room, business-name, &c., marked thereon, and is attached to the center pivot of the dial-plate by a fastening-screw, *a*, or by means of a fixed bolt passing through the disk and dial plates and door, being fastened to the latter in the manner before described.

By properly setting the disk-plate and hands on the dial plate, the same indicate, in a convenient manner, whether the person is in or out, and when the same will be back, so as to provide a cheap, durable, and readily-set device for office and business purposes.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

An office-dial, composed of a base dial-plate, A, attached to door or bulletin-board of a partly-recessed and movable disk-plate, B, of one or more hands, C, and of a binding top or face-plate, D, substantially in the manner and for the purpose set forth.

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Witnesses:

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