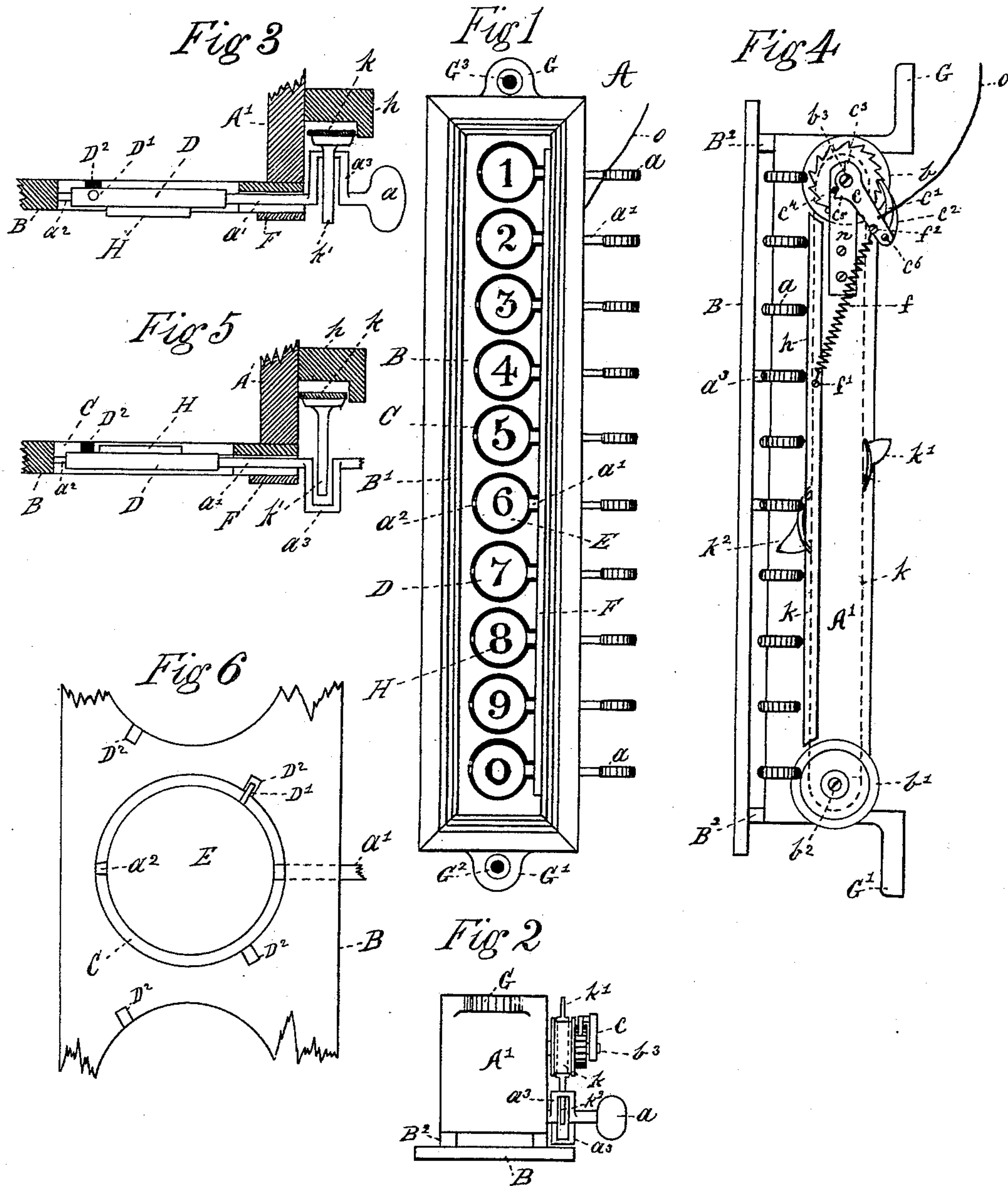


(No Model.)

W. J. & J. HOLT.
BARBER'S TURN INDICATOR.

No. 318,622.

Patented May 26, 1885.



Witnesses
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BARBER'S TURN-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 318,622, dated May 26, 1885.

Application filed November 29, 1884. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM J. HOLT and JOSEPH HOLT, citizens of the United States, residing at Paterson, Passaic county, State of New Jersey, have invented a new and useful Improvement in Turn-Indicators, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The object of our invention is to provide a barber's turn-indicator. The invention consists in arranging in a frame having a projecting front, and one above another, a series of circular plates having blank and figured disks, which are alternately exposed to view by means of thumb-pieces and cam mechanism, which will be hereinafter fully explained, and pointed out in the claims.

Figure 1 of the drawings shows our invention in elevation. Fig. 2 is a plan of the same, showing cam mechanism, &c. Fig. 3 is a transverse section, showing figured disks exposed to view. Fig. 4 shows one side of the device in elevation. Fig. 5 is a transverse section, showing blank disks exposed to view; and Fig. 6 shows the back of the device, arrangement of pins, &c.

A represents a barber's turn-indicator constructed and having a frame, A', provided with a series of circular openings, C, in which openings there is pivoted a series of circular plates, D, having blank and figured disks E and H. The plates D are secured to a spindle, a', having a crank, a³, and a thumb-piece, a. The end of the spindle, where the same enters the circular plate D, is made square, and a collar, F, is formed at that point of the spindle which prevents the spindle's lateral motion. The opposite edge of the plate D is pivoted on a pin, a², which pin is secured suitably in the circular opening C, as shown in Figs. 1 and 3.

To the top of the frame A' there is suitably journaled on a pin, b³, a grooved band-pulley, b, having a ratchet-wheel secured thereto, and at the bottom of said frame A' a like band-pulley, b', on a pin, b², on which pulleys there is arranged a band, k, on which band there are suitably arranged and secured curved cams k' k², as shown in Fig. 4. On the pin b³ there is arranged a ratchet-lever, c, to which lever there

is secured a pawl, c', having a spring, c². The lever c, which is provided with a projection, c⁵, engages a pin, c⁴, secured in a metal plate, n. There is secured on a pin, f², the upper end of a helical spring, f, the lower end of which spring is secured by a screw, f', to a rib, h. The rib h, which projects beyond the side of the frame, forms a groove for the cams k' k² in their descent to actuate the spindle a'. Beyond the face of the frame B there is a molding, B', and a projection, B².

The circular plates D are provided with stop-pins D', and the frame with recesses D², as shown in Fig. 6.

In practice the indicator A is secured in position by means of screws G² G³, after which action a cord, that is arranged, for convenience, between the chairs occupied by the persons while being shaved, &c., is taken upward and over pulleys arranged therefor on the ceiling of the shaving-saloon to a point directly over the indicator A. Said cord is then attached to the cord o, which action places the device in working condition. A enters the saloon to be shaved, &c., at which time the whole series of blank disks are exposed to view, as indicated in Fig. 5. A, by means of the thumb-piece a, turns the plate at the top, which action exposes the figured disk H and figure 1, which indicates that one has entered. B enters to be shaved, &c., and discovers at once by a single glance at the indicator that one is in before him, and he, like A, reverses the next of the series of plates below by means of the thumb-piece a, which action exposes the figured disk H of the second plate, D, of the series of plates, and indicates that two persons have entered the saloon to be shaved, &c. C enters for a like purpose of being shaved, &c., and by means of the thumb-piece a reverses the next of the series of plates D below, and exposes the figured disk H, and thus indicates that three persons have entered, and so on, until the whole series of plates have been reversed by persons entering the saloon to be operated upon. A, who first entered, having been shaved, &c., leaves or vacates the chair, at which time the barber pulls the operating-cord o, which action raises the outer end of the ratchet-lever c, causing the pawl c' to engage the ratchet-wheel and turn the pulleys b

5 b' and band k , which brings the cams $k' k^2$, which are suitably arranged therefor on the band k , into alternate engagement with the cranks a^3 , which in their engagement with
 10 said cranks reverse the plates and expose the blank disks E, and when B leaves the chair the barber pulls the operating-cord o , which action brings the cam k' into engagement with the crank a^3 , which reverses the second of the
 15 series of plates D, which operation is continued by the barber until the whole of the series of plates D have been reversed and the blank disks E are exposed to view, as shown in Fig. 5. The stop-pins D' , which enter the recesses D^2 , stop the plates D when they reach their proper positions.

20 The spring f , which distends when the lever c is raised by the action of the cord o , contracts, when the cord is released from action and draws the lever c down into position for another action on the part of the barber. The pin c^4 , in its engagement with the projection c^5 , stops the lever in its suitable position. The rib h guides the cams $k' k^2$ in their downward movement, and keeps the same in position to engage the cranks a^3 .

30 By this our invention persons who enter the shaving-saloon can see at a single glance at the turn-indicator just how many have entered before them, and can determine without inquiry when their turn will come without disturbing the barber in his work by asking questions, &c.

35 When the saloon is provided with glass in the doors, and in the warm season, when the outer doors are open, the indicator may be

seen by persons from the sidewalk while passing, and may enter the saloon, to be shaved, &c., at a favorable time, which will be indicated by our invention.

40 When thought desirable, letters or dots may be used on the figured disk H instead of figures.

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

45 1. The combination, with the series of circular plates D, having figured disks H, said disks provided with either figures, letters, or dots, and blank disks E, with the spindle a' , having cranks a^3 , to engage cams $k' k^2$ to reverse the circular plates D, the spindle having thumb-pieces a , for turning the plates D, with collars F'' , of the cams $k' k^2$, for extending the plates, and band k , for carrying said cams, with frame A' , substantially as described, and
 50 for the purpose set forth.

2. The combination, with the band k , carrying cams $k' k^2$, of the pulley b , having a ratchet-wheel, with pulley b' , for actuating the band k , with lever c , having pawl and spring for
 60 actuating said ratchet-wheel and pulleys, with cord o , for operating the lever c , and spring f , with rib h , plate n , screw-pins $b^2 b^3$, molding B' , projection B^2 , with lugs G G, for securing the device, and stop-pins for stopping the plates,
 65 substantially as described, and for the purpose set forth.

WILLIAM J. HOLT.
 JOSEPH HOLT.

Witnesses:

JOHN INGLIS,
 JAMES RAWSON.