

J. SUMMERS.
WATCHMAN'S TIME RECORDER.
APPLICATION FILED JULY 5, 1904.

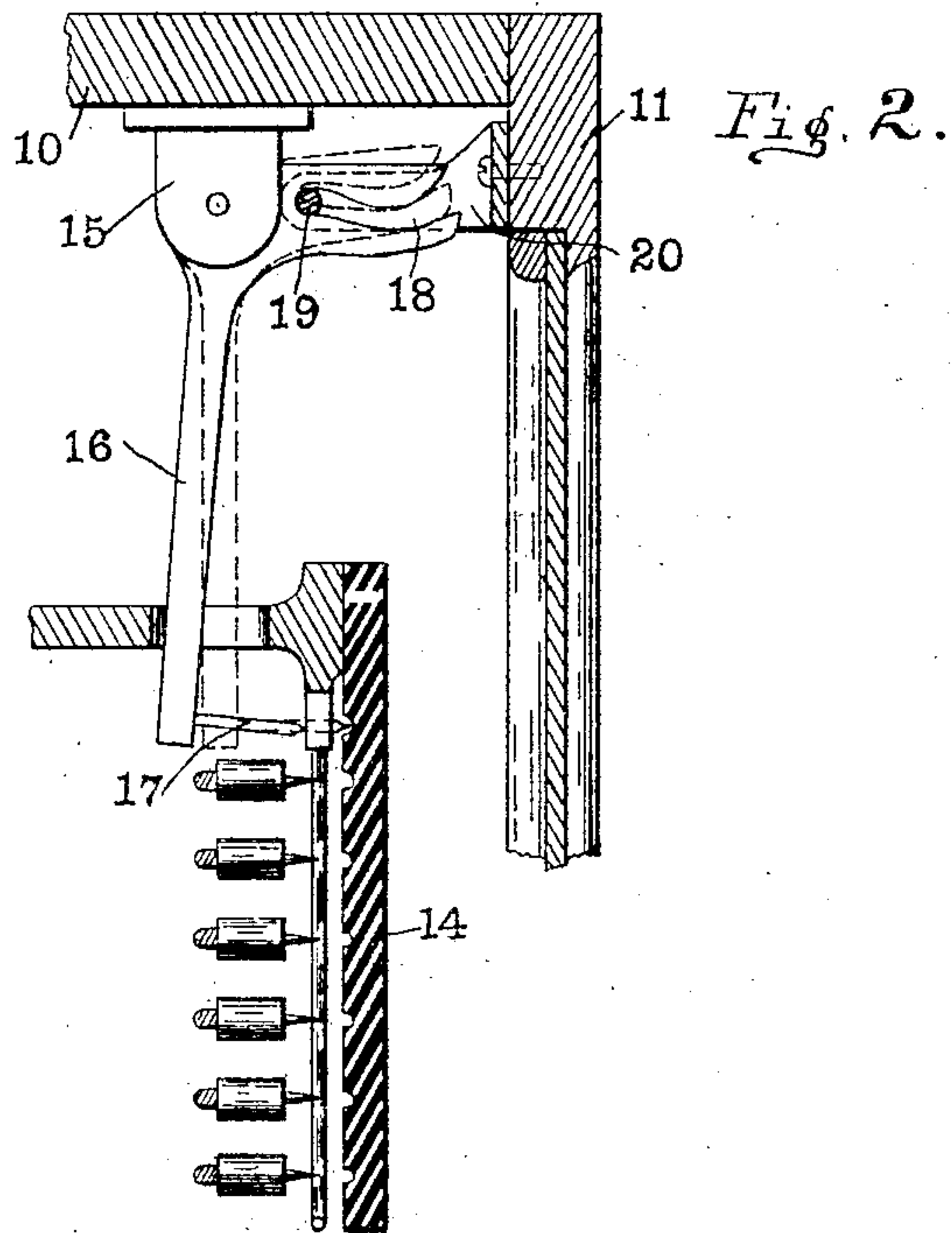
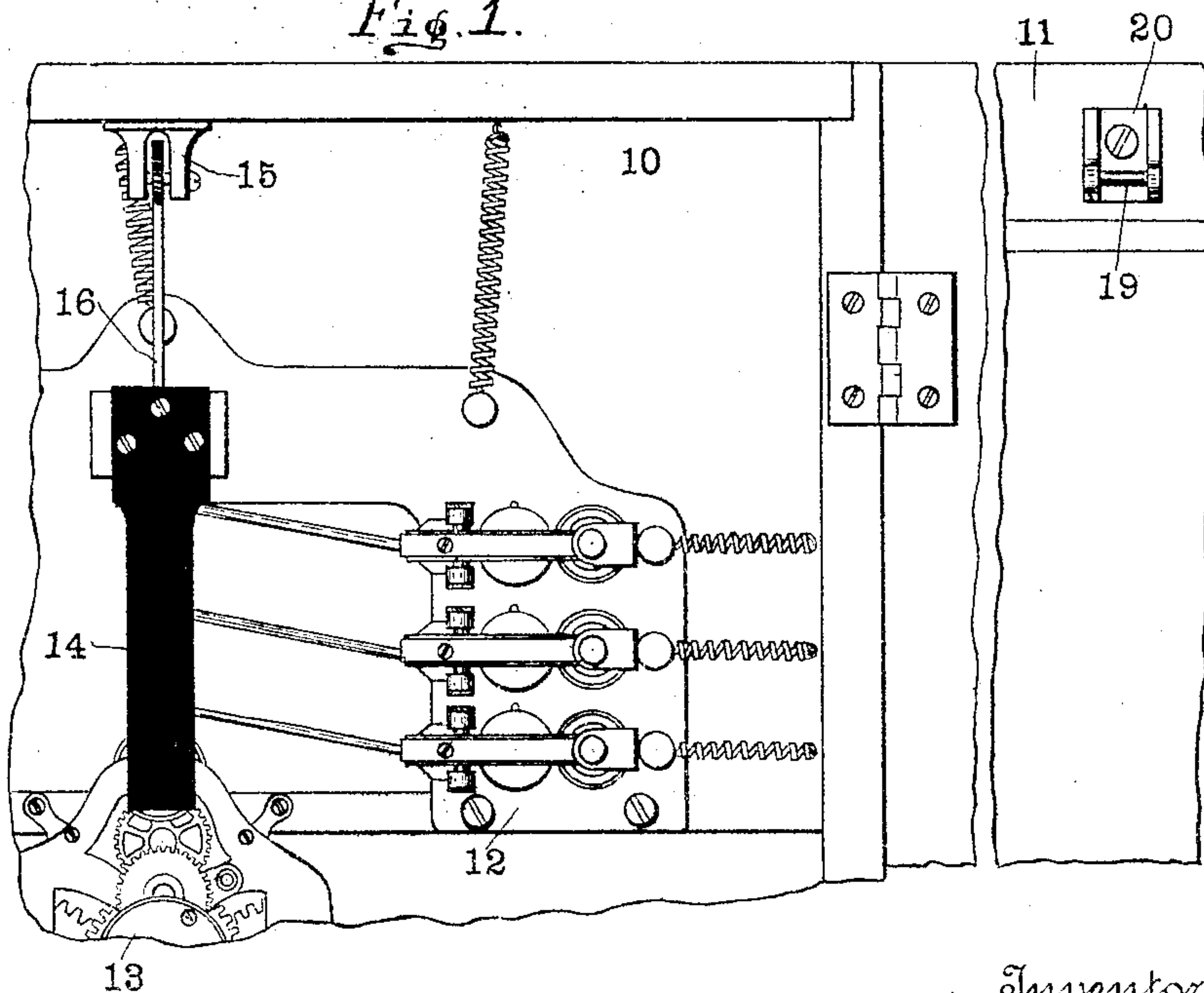


Fig. 1.



Witnesses
Fred W. Jenkins
J. A. Walsch

Inventor
Jesse Summers.
By
Bradford Hood
Attorneys

UNITED STATES PATENT OFFICE.

JESSE SUMMERS, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO THE INDIANAPOLIS WATCHMAN CLOCK COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

WATCHMAN'S TIME-RECORDER.

No. 804,444.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed July 5, 1904. Serial No. 215,277.

To all whom it may concern:

Be it known that I, JESSE SUMMERS, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Watchmen's Time-Recorders, of which the following is a specification.

The object of my invention is to provide a simple positive action mechanism for causing an automatic perforation of the time-dial upon both the opening and closing of the door of an inclosing casing.

The accompanying drawings illustrate my invention.

Figure 1 is a front elevation of a portion of a watchman's time-recorder provided with my improvement, and Fig. 2 a side elevation of my improvement.

In the drawings, 10 indicates the usual inclosing casing provided with a door 11, hinged thereto in the usual manner. Mounted in casing 10 is a time-recorder mechanism 12 of any desired form provided with a dial-supporting arbor 13, adapted to move the dial over the platen 14. Mounted in the upper part of casing 10 is a bracket 15, to which is pivoted an L-shaped perforating-lever 16, carrying at its lower end the perforating pin or point 17, adapted to cooperate with the platen 14. The horizontal arm of lever 16 is provided with a cam slot or groove 18, which extends clear to the end of the arm and is adapted to receive a horizontal pin 19, carried by a bracket 20, secured to the door 11 in such position that when the door 11 is swung the pin 19 will traverse groove 18, and thus serve to swing lever 16. The normal position of lever 16, due to its gravity, is that shown in full lines in Fig. 2, and in that position the outer end of groove 18 is in position to receive pin 19 when door 11 is swung to close the casing. As the pin 19 is moved inward

it traverses the cam-groove and causes arm 12, and consequently pin 17, to move to the position shown in dotted lines, and then to return to normal position, thus perforating the dial and removing the perforating-point from the path of movement of the dial. When pin 19 is withdrawn from groove 18 by the opening of door 11, exactly the same movement is given lever 16, so that the dial is automatically punctured both by the opening and the closing of the door. The operation is positive in both directions and no springs are required.

I claim as my invention—

1. In a watchman's time-recorder, the combination, with a suitable time-train and inclosing case therefor, of a cover forming part of said case, a hanging perforating member normally held by gravity out of perforating position, and means carried by the cover for positively engaging said perforating member and positively moving said perforating member in both directions from normal to perforating position and return when the cover is removed or restored.

2. In a watchman's time-recorder, the combination, with a suitable time-train and inclosing casing therefor, of a perforating member mounted in the casing and provided with a cam-groove 18, a cover forming part of said casing, and a pin carried by the cover and adapted to traverse said cam-groove whereby the perforating member is moved from normal to perforating position and return upon the removal or restoration of the cover.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 15th day of June, A. D. 1904.

JESSE SUMMERS. [L. s.]

Witnesses:

ARTHUR M. HOOD,
JAMES A. WALSH.