

No. 848,016.

PATENTED MAR. 26, 1907.

J. R. DONNENWORTH.
ELECTRIC ALARM.
APPLICATION FILED MAR. 2, 1906.

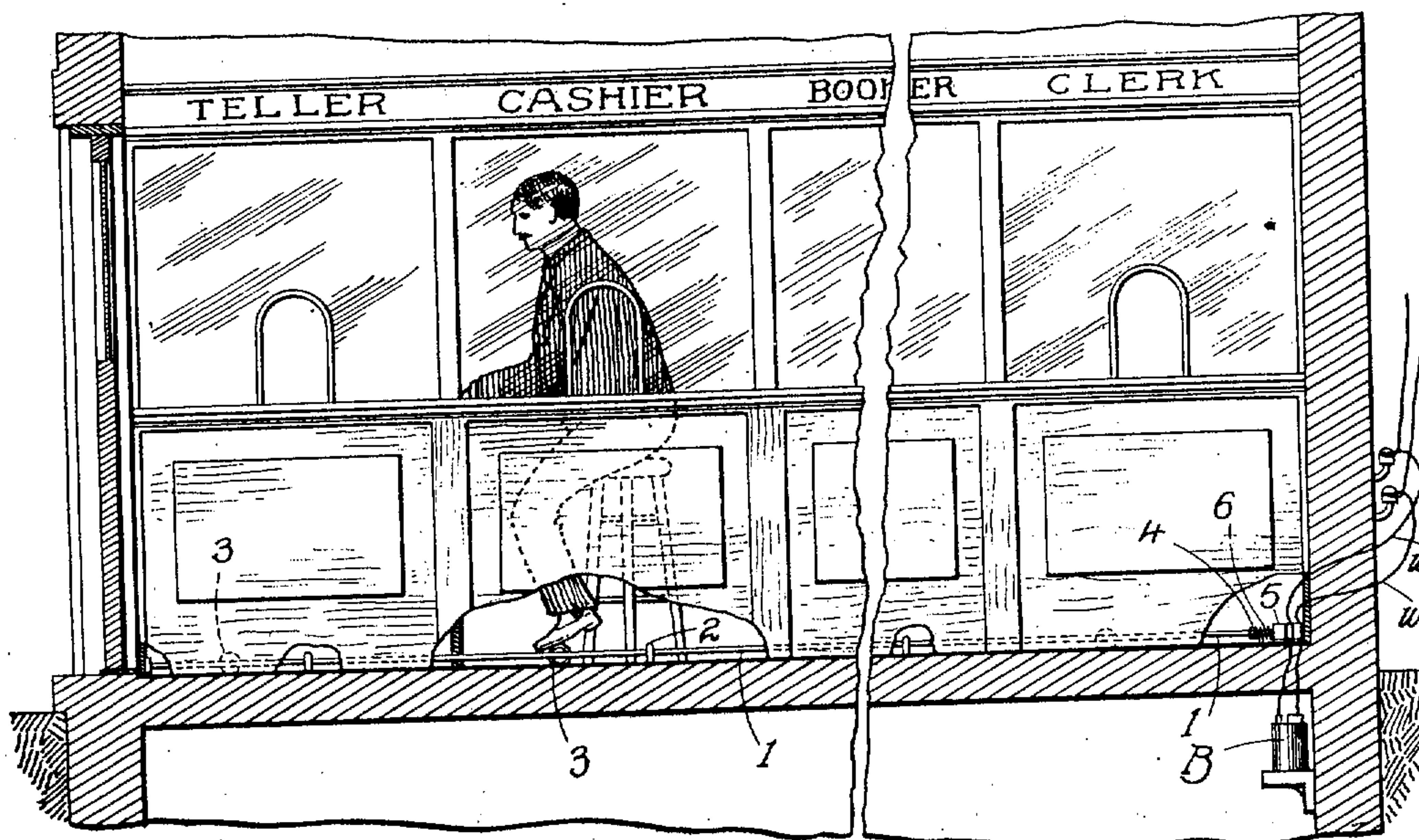


Fig. 1.

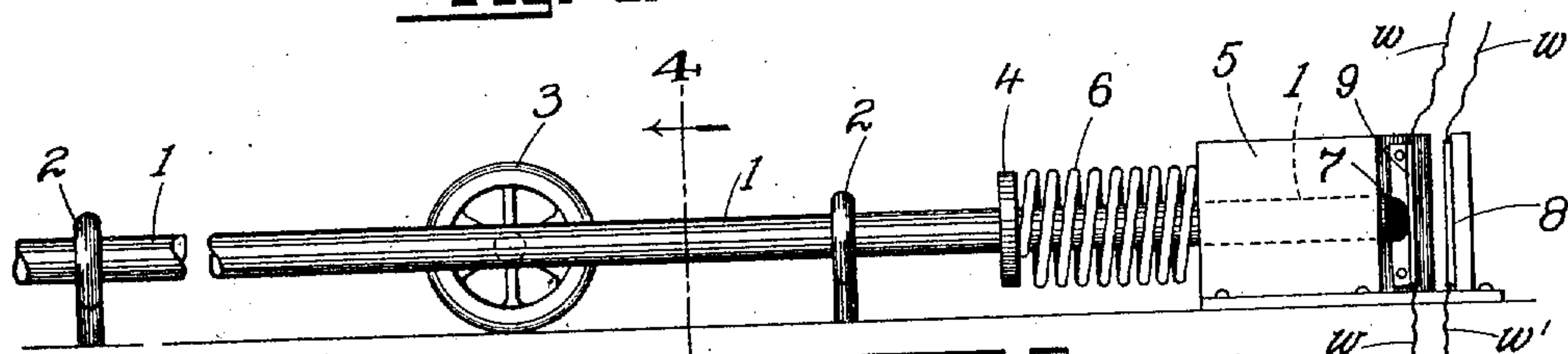


Fig. 2.

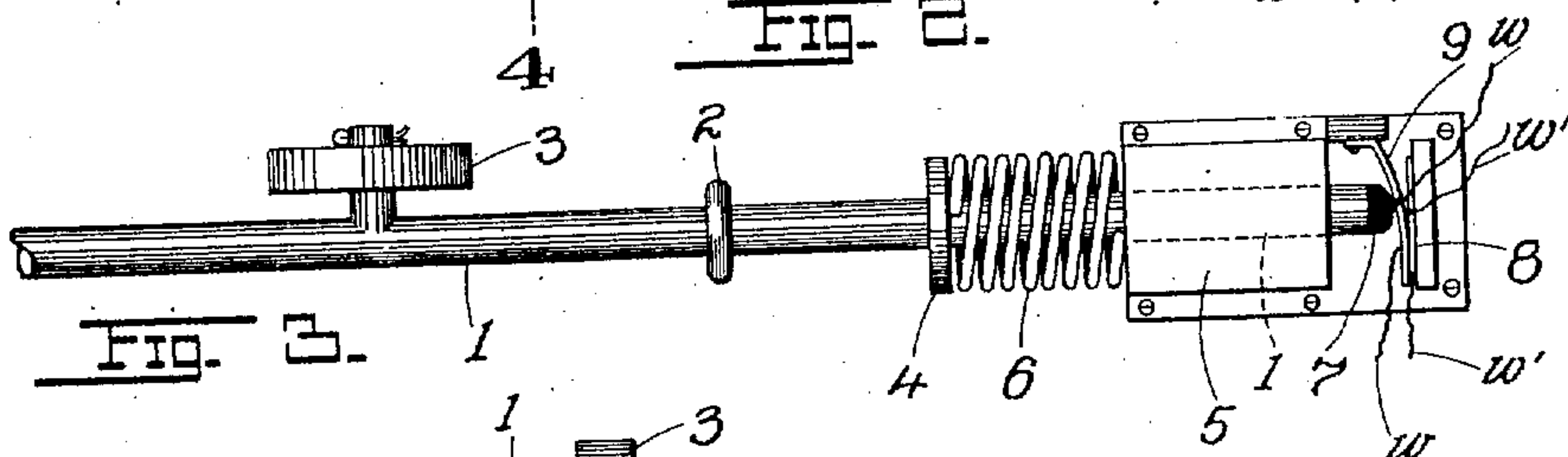


Fig. 3.

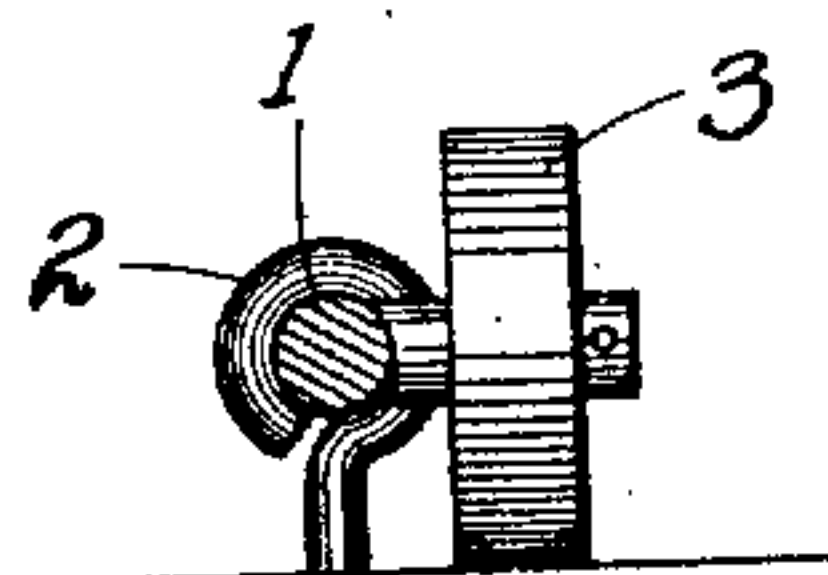


Fig. 4.

Witness
H. J. Nunn
H. C. Keller

Inventor
Jacob R. Donnsworth
By
Cecil Starnes
Attorney

UNITED STATES PATENT OFFICE.

JACOB R. DONNENWORTH, OF LACOMBE, ALBERTA, CANADA.

ELECTRIC ALARM.

No. 848,016.

Specification of Letters Patent.

Patented March 26, 1907.

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To all whom it may concern:

Be it known that I, JACOB R. DONNENWORTH, a citizen of the Dominion of Canada, residing at Lacombe, in the Province of Alberta and Dominion of Canada, have invented certain new and useful Improvements in Electric Alarms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in electric alarms; and it consists in the novel construction of parts more fully set forth in the specification and pointed out in the claim.

In the drawings, Figure 1 is a side elevation of my device as applied to the various offices of a bank. Fig. 2 is an enlarged side elevation of one end of the operating bar. Fig. 3 is a top plan of Fig. 2, and Fig. 4 is a cross-section on line 4 4 of Fig. 2.

The object of my invention is to provide a mechanism adapted to be operated by the foot of a bank clerk, whereby an electric connection is made and an alarm sounded at any point where an annunciator may be located.

In detail the invention may be described as follows:

Referring to the drawings, 1 represents a horizontally-shifting bar mounted in eye-bolts 2, distributed along the floor, the bar being provided with a series of rollers 3, traveling along the floor. One end of the bar is provided with a collar 4, between which and a bearing-block 5 is interposed a coiled

spring 6, which normally forces the adjacent insulated head 7 of the bar away from the contact-plate 8. The head 7 bears against the resilient spring circuit-closing plate 9 from which lead the wires *w w*, a similar series of conducting-wires *w'* leading from the plate 8 to a source of electric energy B and in the same circuit with the wires *w*, an annunciator (not shown) being interposed in the circuit at any convenient point, such as the president's room or police headquarters. In the event of an attempted robbery or assault upon the clerk the latter, though compelled to throw up his hands, can place his foot on the nearest roller 3 and push the bar 1 sufficiently to cause the latter to force the plate 9 against the plate 8, thus closing the circuit and sounding an alarm.

Having described my invention, what I claim is—

An electric alarm comprising a source of electric energy, a contact-plate, a circuit-closing spring-plate, a longitudinally-movable bar, means for supporting the latter above the floor, rollers carried thereby, a spring for normally forcing the bar away from the contact-plate, and an insulated head on the bar normally bearing against the circuit-closing plate, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB R. DONNENWORTH.

Witnesses:

ALBERT P. RAINFORTH,
JOHN MCKENTY.