(No Model.)

L. W. PEDICORD.

ELEVATOR ALARM BELL.

No. 318,202. Patented May 19, 1885.

Fig. 1

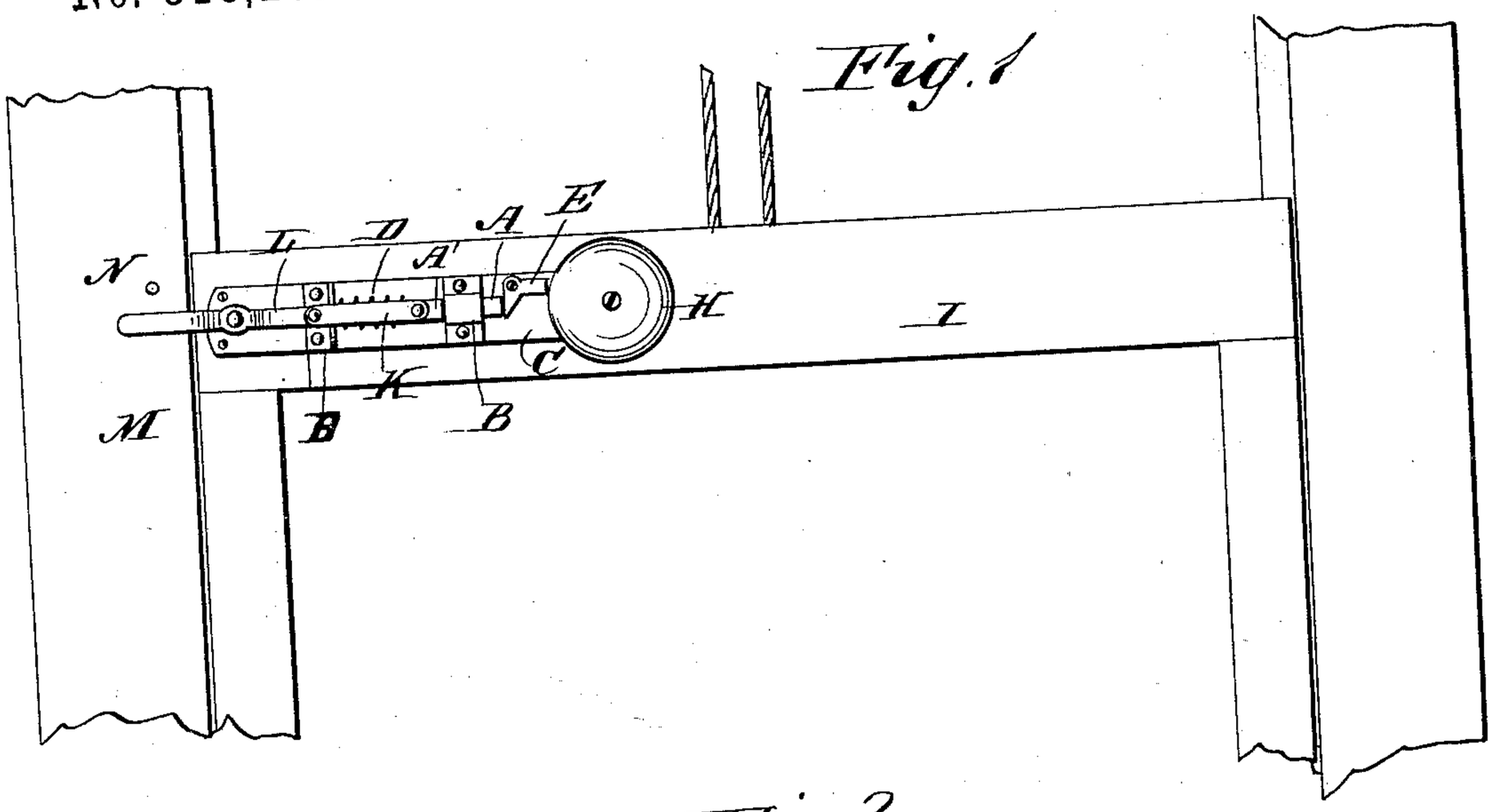


Fig. 2.

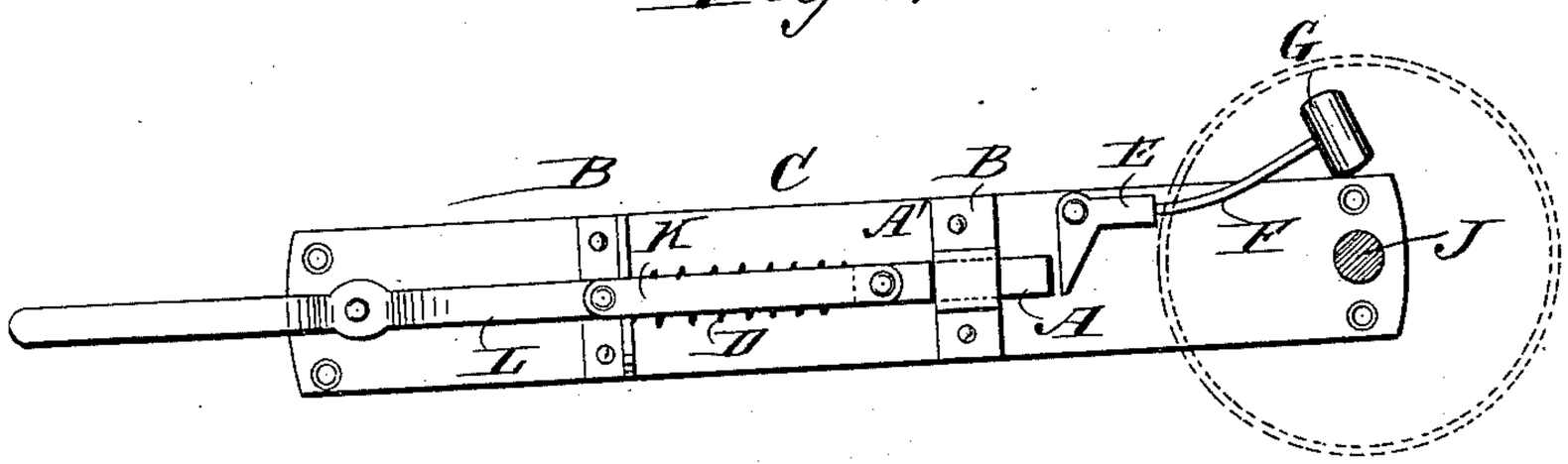
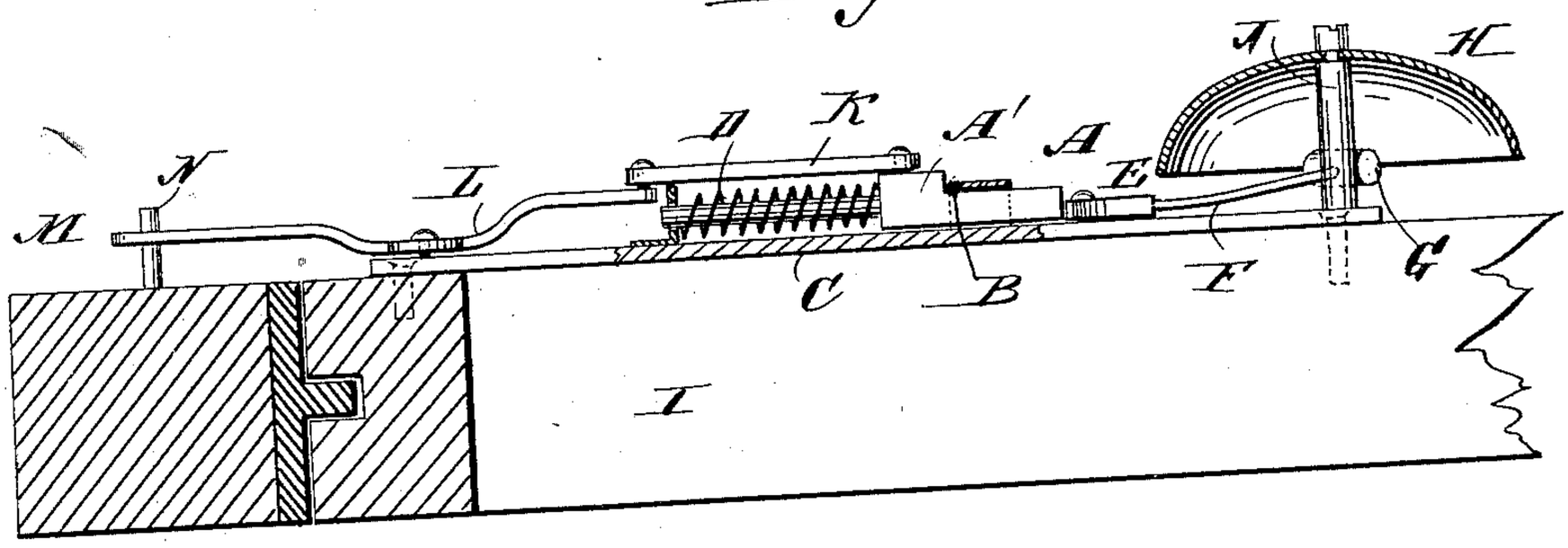


Fig. 3.



WITNESSES:

F. McArdle

C. Sedgwick

INVENTOR:

L. W. Pedicord

BY Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

LOUIS W. PEDICORD, OF ST. JOSEPH, MISSOURI.

ELEVATOR ALARM-BELL.

SPECIFICATION forming part of Letters Patent No. 318,202, dated May 19, 1885.

Application filed October 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, LOUIS W. PEDICORD, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and Improved Elevator Alarm-Bell, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved alarm-bell to be attached to an elevator-car, and sounded between or at each floor when the elevator-car ascends or descends.

The invention consists of the combinations of parts and their construction, substantially as hereinafter fully set forth and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of my improved elevator alarm-bell, the same being applied on a car. Fig. 2 is an enlarged side view of the same, the gong being removed. Fig. 3 is a sectional plan view of the alarm-bell, the same being on the car.

A bolt, A, is held to slide longitudinally in guides B on a plate, C, one end of the bolt A being surrounded by a spring, D, which presses the other end of the bolt toward one shank of an elbow-lever, E, pivoted on the strip or plate C, and to which lever the hammer-rod carrying the hammer G is secured.

A gong, H, is secured on a pin or stem, J, projecting from one end of the plate C.

A connecting-link, K, is pivoted to a stop, A′, on the bolt A, and the other end of the link is pivoted to a lever, L, pivoted on that end of the strip or plate C opposite the one on which the bell is secured, one end of the lever L projecting beyond the end of the plate or strip C. The said plate C is secured on a cross-piece or standard of an elevator-car, I, in such a manner that the projecting end of the bar L projects over a guide-standard, M, on which the car runs, and on which standard a pin, N, is secured at each floor. When the lever L strikes a pin, N, the car going up or down, the free end of the said lever is swung up or down, and the bolt A is withdrawn, and the spring D compressed, and when the lever-bar has passed the pin the spring D expands and throws the bolt A against the downwardly-projecting part of the elbow-lever E, whereby the hammer G is suddenly thrown against the gong H, which is thus sounded and gives the signal that the car has passed.

The above-described device can also be used on doors for giving an alarm when the doors are opened.

In place of providing one pin between or at each floor a series of pins may be provided, so that the bell will be sounded a number of times at each floor or between two floors.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the sliding bolt A, the gong H, the elbow-lever E at one end of the bolt, the hammer G, connected with said elbow-lever, and the lever for actuating the bolt, substantially as and for the purpose set forth.

2. The combination, with the plate C, of the sliding bolt A, the gong H, the elbow-lever E at one end of the bolt, the hammer G, connected with the elbow-lever E, and a pivoted lever for actuating the bolt, substantially as herein shown and described.

3. The combination, with the plate C, of the sliding bolt A, the spring D, the link K, the lever L, the elbow-lever E, a hammer connected with the same, and the gong H, substantially as herein shown and described.

LOUIS W. PEDICORD.

Witnesses:
CHAS. N. ROBINSON,
CHAS. A. LINN.