(No Model.)

H. GARRETT.

ELECTRICAL ALARM FOR WINDOW SCREENS.

No. 324,019. Patented Aug. 11, 1885.

Fig. 1.

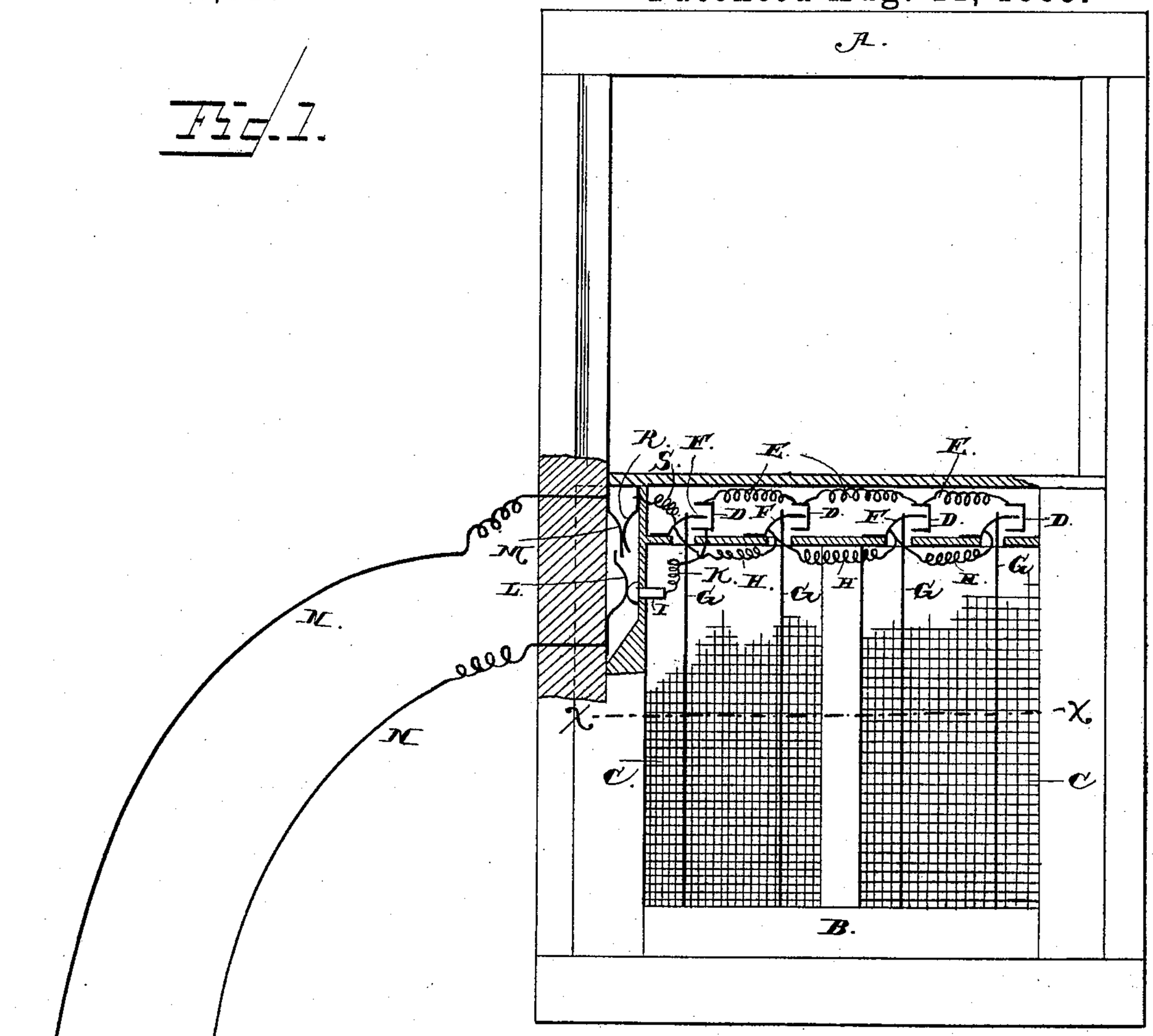
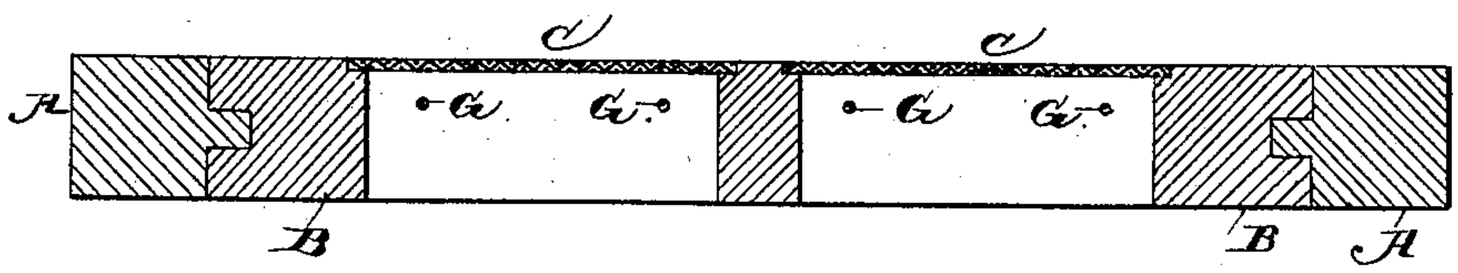


Fig. 2.



WITNESSES

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HENRY GARRETT, OF DALLAS, TEXAS.

ELECTRICAL ALARM FOR WINDOW-SCREENS.

SPECIFICATION forming part of Letters Patent No. 324,019, dated August 11, 1885.

Application filed May 13, 1885. (No model.)

To all whom it may concern:

Be it known that I, HENRY GARRETT, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Improvement in Electrical Alarms for Window-Screens, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improvement in electrical alarms for window-screens; and it consists in the peculiar construction and combination of devices, that will be more fully set forth hereinafter, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is an elevation of a window frame and screen, partly in section, with my improved alarm apparatus applied thereto. Fig. 2 is a transverse sectional view taken on the line *x x* of Fig. 1.

A represents a window-frame, and B represents a window-screen that is adapted to slide up or down in the frame in the usual manner. The screen is provided on its outer side with the wire-gauze C. The upper cross-bar of the frame of the screen is made hollow, and in it are located a number of double electrical contact-points, D, which are connected together by the wires E. Contact-springs F are secured in the hollow cross-bar of the screen, and their free ends are about midway between the contact-points D. The springs are held in position, under tension, out of contact with the contact points by vertical wires G, which are secured to the contact-springs at their upper ends, and to the bottom cross-bar of the screen at their lower ends. The contact-springs are connected by wires H. On one side of the window-screen is a contact-point, I, which is connected to one of the double contact-points D by a wire, K. The point I, when the screen is at the bottom of the window-frame in the position shown at Fig. 1, bears against a contact-spring, L, that is secured in the window-frame, and keeps said spring L out of contact with a similar spring, M, that is also secured in the window-frame. The springs L M are connected by wires N to a battery, O, and an electrical alarm bell or gong, P. To the upper outer corner of the screen is secured a contact-spring, R, that is connected to one of the springs F by a wire, S, and bears against the contact-spring M in the window-frame. It will be seen by this arrangement of devices that the electrical circuit is normally open. Should the screen be raised in the frame, the point I releases the spring L, which will immediately come in contact with the spring M, close the circuit, and sound the alarm. In the event that the screen and one of the wires G should be cut, one of the contact-springs F would be released, and close the circuit by springing up in contact with one of the upper of the double contact-points D, and thereby sound the alarm; and a similar result would ensue if one or more of the wires G should be drawn or pushed to one side, as the spring F, to which the wire is attached, would be then drawn down and caused to close the circuit and sound the alarm by coming in contact with one of the lower of the double contact-points D, as will be very readily understood.

Having thus described my invention, I claim—

The combination of the window-frame, having the contact-springs L M connected in open circuit with an electrical alarm, with the screen or frame in the window-frame, having the double contact-points D, the contact-springs F, and the wires G, the contact-point I, bearing against the spring L, and the contact-spring R, bearing against the spring M, the point I, spring R, double contact-points D, and the contact-springs F being connected together in open circuit, whereby an alarm will be sounded either by raising the screen or frame, by cutting one of the wires G, or by pushing one of the wires G aside, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HENRY GARRETT.

Witnesses:

ALEX. C. GARRETT, Jr.,

T. J. GARRETT.