(No Model.)

G. W. PRICE.

ELECTRIC CIRCUIT CLOSER.

No. 470,596. Patented Mar. 8, 1892.

Fig. 1.

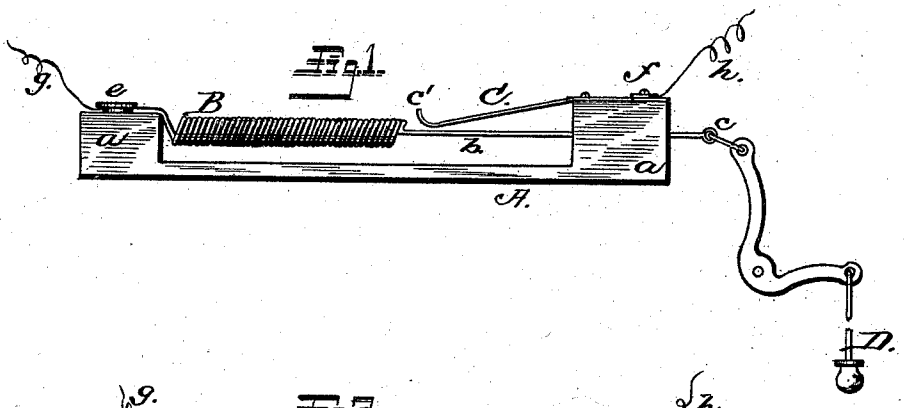
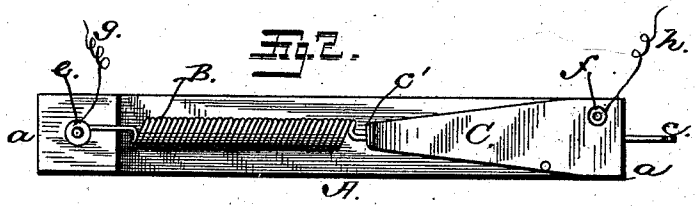


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE W. PRICE, OF BALTIMORE, MARYLAND.

ELECTRIC-CIRCUIT CLOSER.

SPECIFICATION forming part of Letters Patent No. 470,596, dated March 8, 1892.

Application filed November 18, 1889. Serial No. 330,664. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. PRICE, a citizen of the United States, and a resident of Baltimore, in the State of Maryland, have invented new and useful Improvements in Electric-Circuit Closers; and I do hereby declare the following to be a full, clear, and exact description of said invention, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in electric-circuit closers, the object being to provide an improved and simplified construction which is designed more particularly for use in connection with electrical door-pulls, whereby a ready change may be made from a mechanical to an electrical door-pull and still retain the original mechanical fixtures, as will be hereinafter fully described, and specifically designated in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of my improvements as attached to an ordinary bell-pull, and Fig. 2 a detail top plan view thereof.

Similar letters of reference indicate like parts in both figures of the drawings.

In carrying out my invention the base A of the circuit-closer is formed of wood or other suitable insulating material and is provided at each end with an upwardly-extending block or rest *a*, also of suitable insulating material. The one end of a coiled metallic spring B is secured to the top of one of the insulated blocks *a*, while the opposite end of said spring, which terminates in a straight wire *b*, passes through a hole or opening in the opposite insulating-block, where it is provided with a loop or hook *c*, as shown.

Upon the top of the insulating-block, through which passes the wire *b* of the coiled spring B, is attached a metallic contact-piece C, the outer end of which is slightly curved upward, as shown at *c'*, to contact with the coils of the metallic spring B when in operation. Electrical connection is made at the screws *e* and *f* upon the tops of the insulated blocks *a*, as shown.

The construction being as above described, it will be readily seen when the base A is screwed or otherwise firmly secured to a support, and a wire leading in a direct line from the loop or hook *c* to the bell-pull D, and the battery-wires *g* and *h* form part of an electrical circuit that any pull upon the loop or hook *c* must close the circuit and establish electrical connection by bringing in contact the coils of the spring B with the metallic contact-piece C.

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

In a circuit-closer, the combination, with the base A, of the coiled spring B, secured to one of the blocks by a screw *e* and having a straight extension *b* passing through an opening in the other block and having a loop *c* at its extremity, and the spring contact-piece C, secured to the other block by a screw *f* and curved upward at its free end *c'*, the curved portion lying in the line of extension of the spring B, so that when the same is extended electrical contact will be made with the contact-piece and the circuit closed, substantially as specified.

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

GEORGE W. PRICE. [L. S.]

Witnesses:
JNO. T. MADDOX,
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