

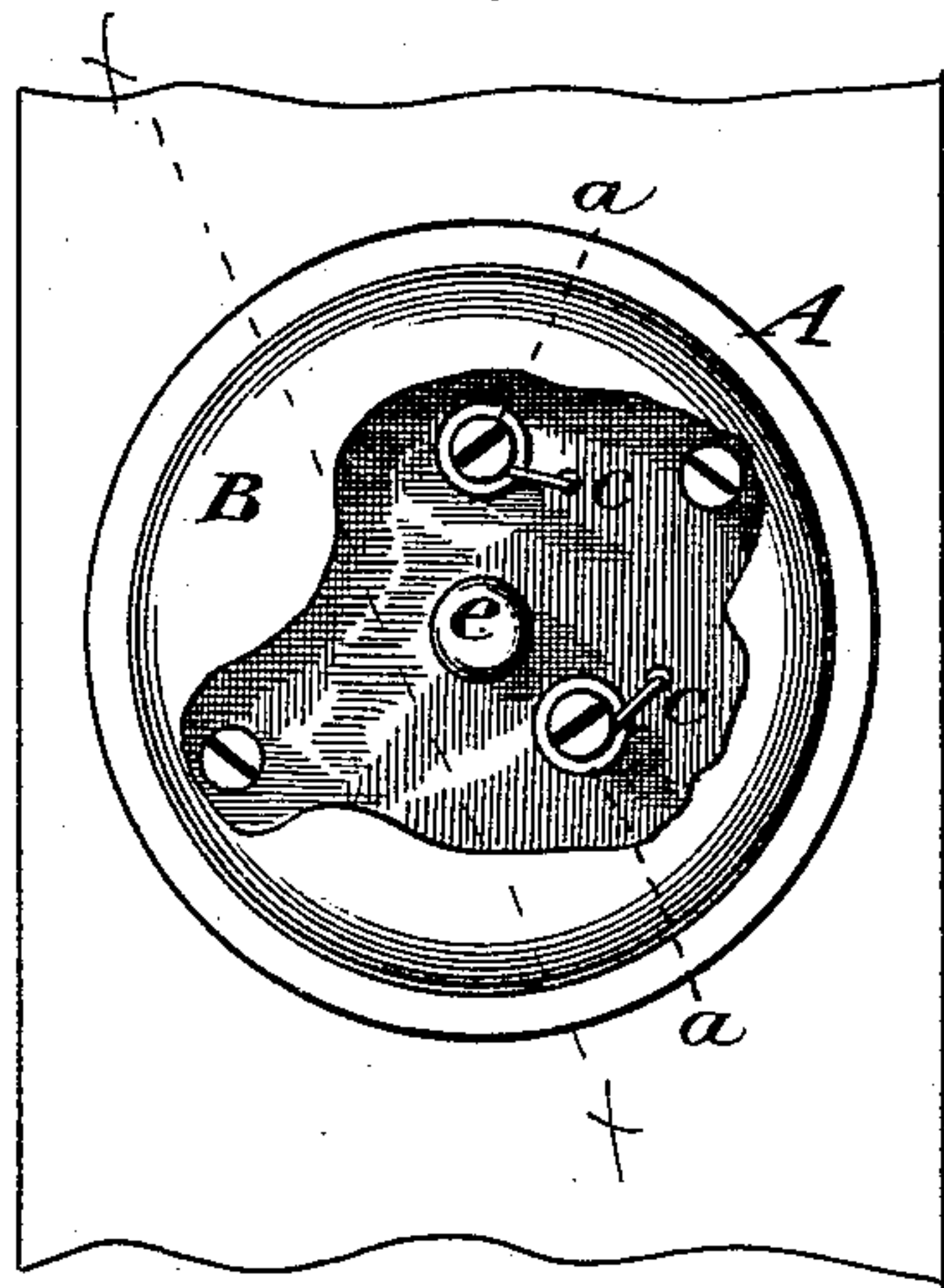
(No Model.)

H. B. WHITAKER.  
CIRCUIT CLOSER.

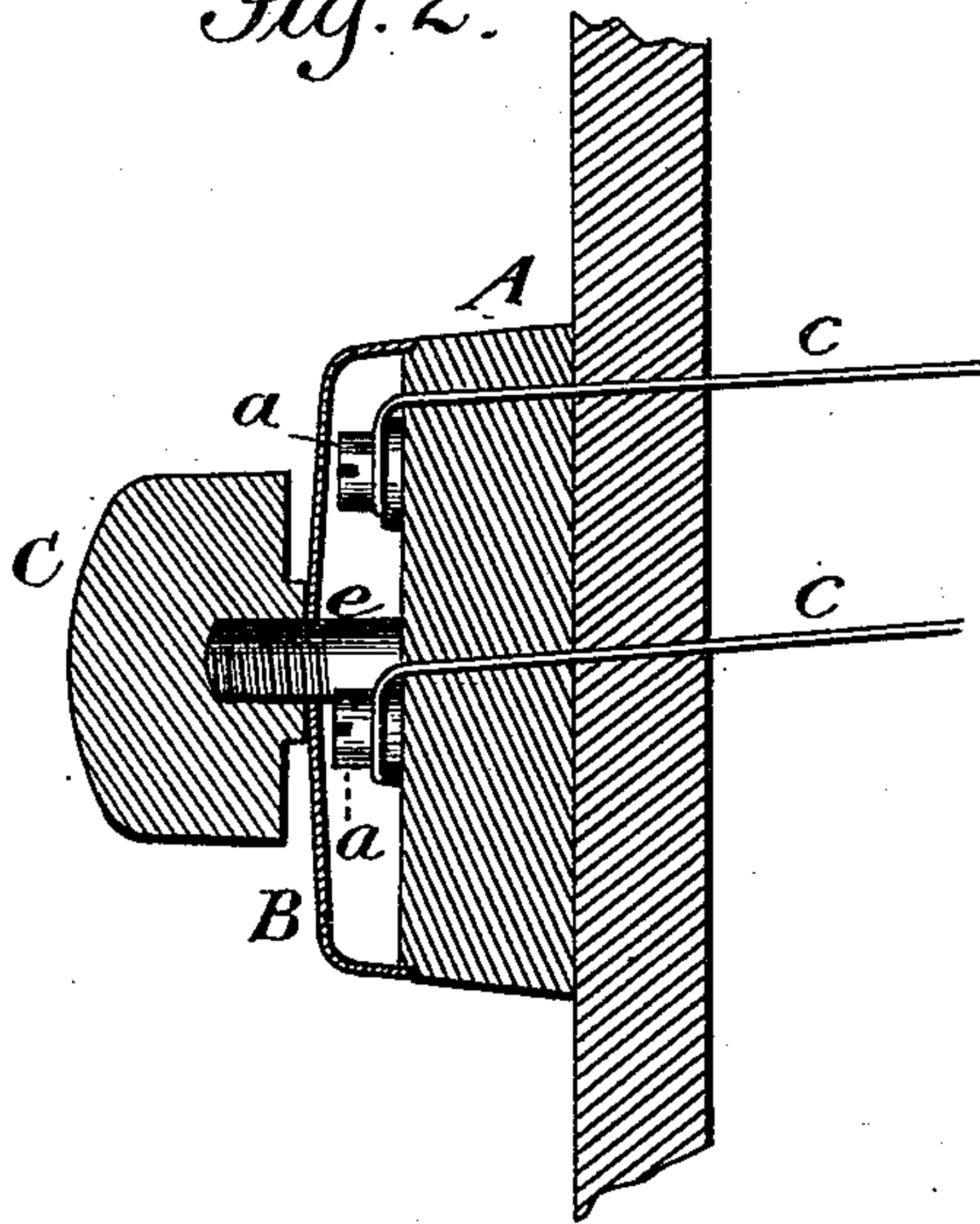
No. 427,024.

Patented Apr. 29, 1890.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*  
*A. Ruppert,*  
*G. B. Towles.*

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*Per*  
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*att'y*

# UNITED STATES PATENT OFFICE.

HENRY BURNSIDE WHITAKER, OF RIVER POINT, RHODE ISLAND, ASSIGNOR  
OF ONE-THIRD TO JAMES A. MATTESON, OF SAME PLACE.

## CIRCUIT-CLOSER.

SPECIFICATION forming part of Letters Patent No. 427,024, dated April 29, 1890.

Application filed February 1, 1890. Serial No. 338,928. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY BURNSIDE WHITAKER, a citizen of the United States, residing at River Point, in the county of Kent and State of Rhode Island, have invented certain new and useful Improvements in Circuit-Closers for Electric Bells and other Uses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to circuit-closers for electric bells and other purposes; and it consists in an improved construction, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a plan view of a circuit-closer provided with my improvement. Fig. 2 is a vertical section taken on line *xx* of Fig. 1.

A designates a circular block or casing constructed of suitable material, in which are mounted two insulated studs or screws *a*, with which, severally, the conducting-wires *c* are connected, as shown. From the center of the block A extends a vertical fixed bolt *e*, the upper part of which is threaded for connection with a turn-button, as hereinafter set forth.

B indicates a cap or cover which is mounted on the block A, and is provided with a central aperture, through which the bolt *e* extends. The said cap is constructed of suitable metal, and rests on the block A with its edge in contact therewith, the main part of the cap being held somewhat above the studs or screws *a*. A threaded turn-button C is placed on

the upper end of the bolt *e*, and may be screwed down against the cap B, which is sufficiently flexible and elastic to yield to the pressure of the button when the latter is turned by hand. The studs *a* form the stationary contact-points, the elastic cap forming a spring-contact, and the operator closes the circuit by turning the button C, compressing the cap so that it is brought in contact with the studs *a*, thus closing the circuit. The turn-button being released, the cap springs from contact with the studs and turns the button back slightly, thus breaking the circuit.

I claim—

1. In a circuit-closer, the combination, with two stationary contact-points, of an elastic metal cap placed over said contact-points, a screw, and a turn-button which is in connection with said screw, and is adapted to press said elastic cap in contact with said stationary points, substantially as and for the purposes described.

2. The combination, with a base and two stationary contact-points, of a vertical screw-bolt, an elastic cap B, and a turn-button on said screw-bolt, said cap being in position to be compressed by a turning movement of the button, substantially as and for the purposes described.

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

HENRY BURNSIDE WHITAKER.

Witnesses:

JAMES A. MATTESON,  
A. C. WALKER.