

H. A. FISHER.
ELECTRIC SAFETY BOX.
APPLICATION FILED SEPT. 30, 1908.

944,605.

Patented Dec. 28, 1909.

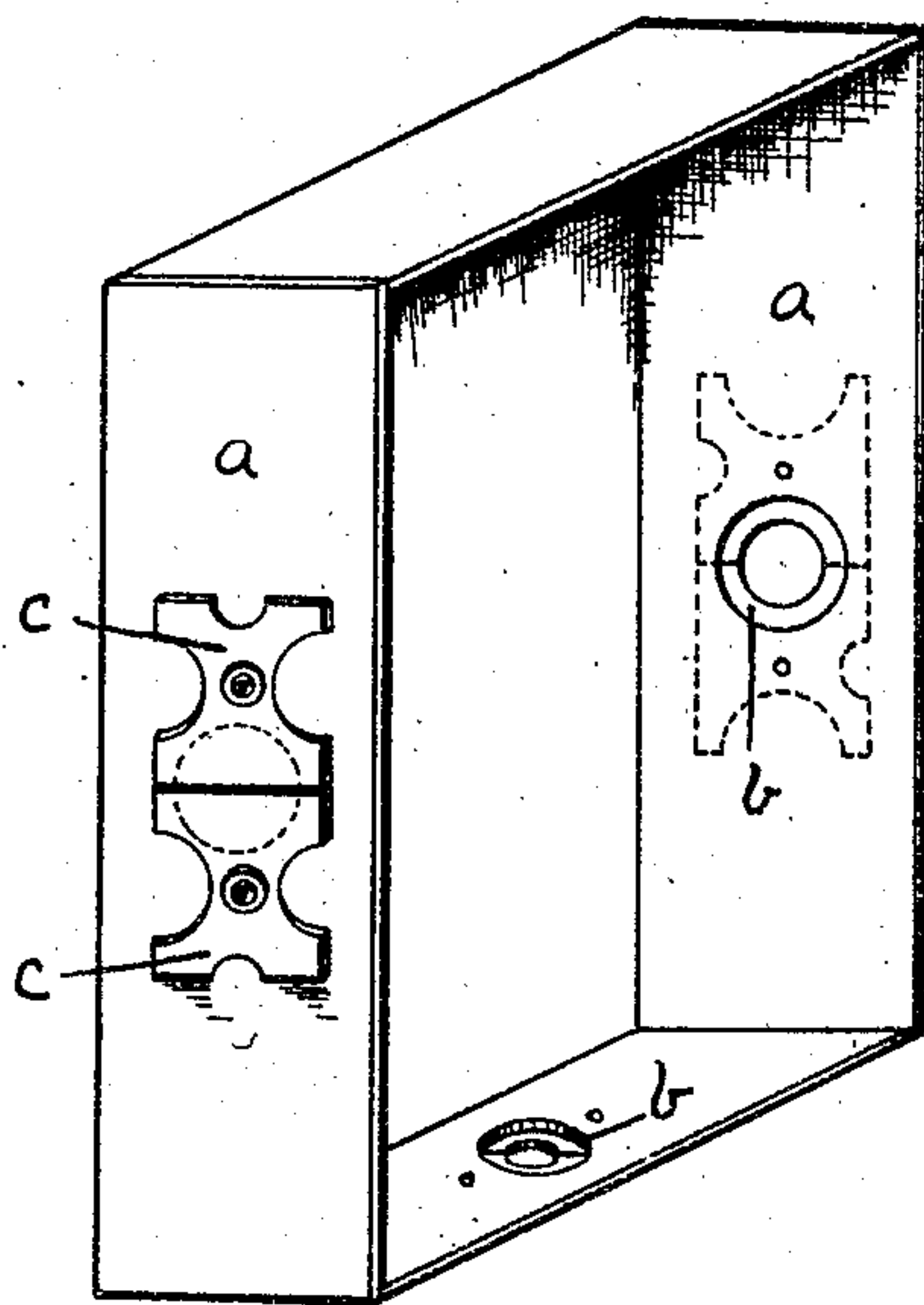


Fig. 1.

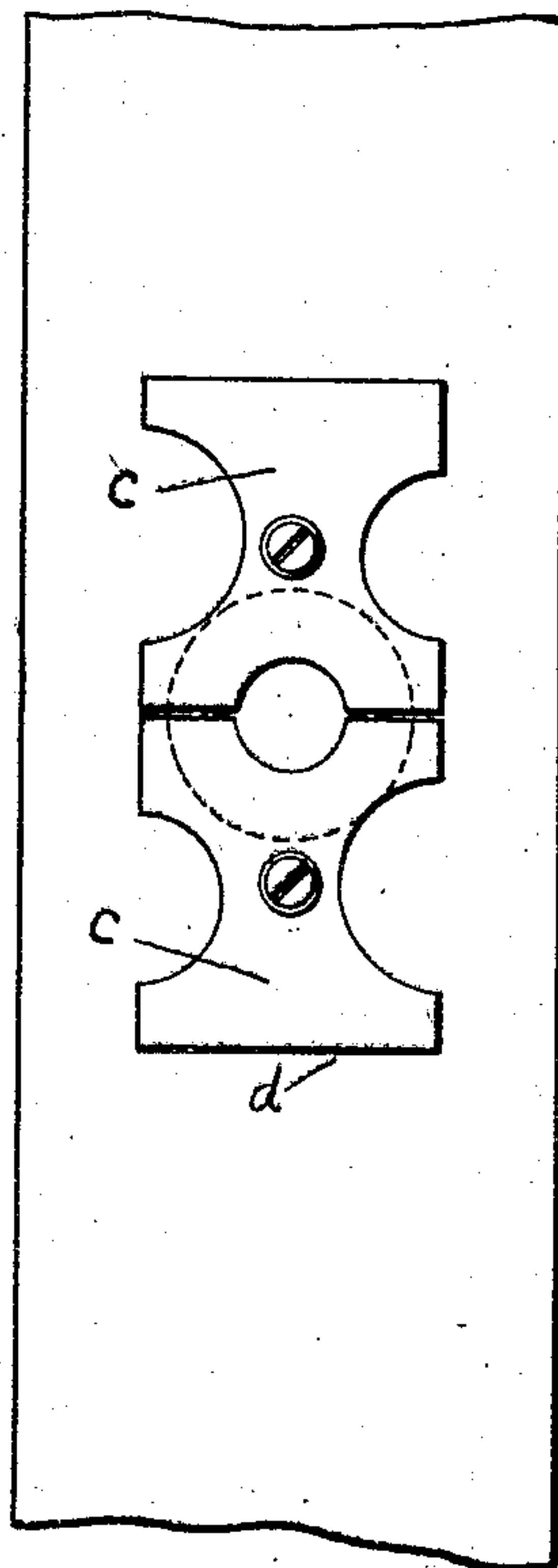


Fig. 3.

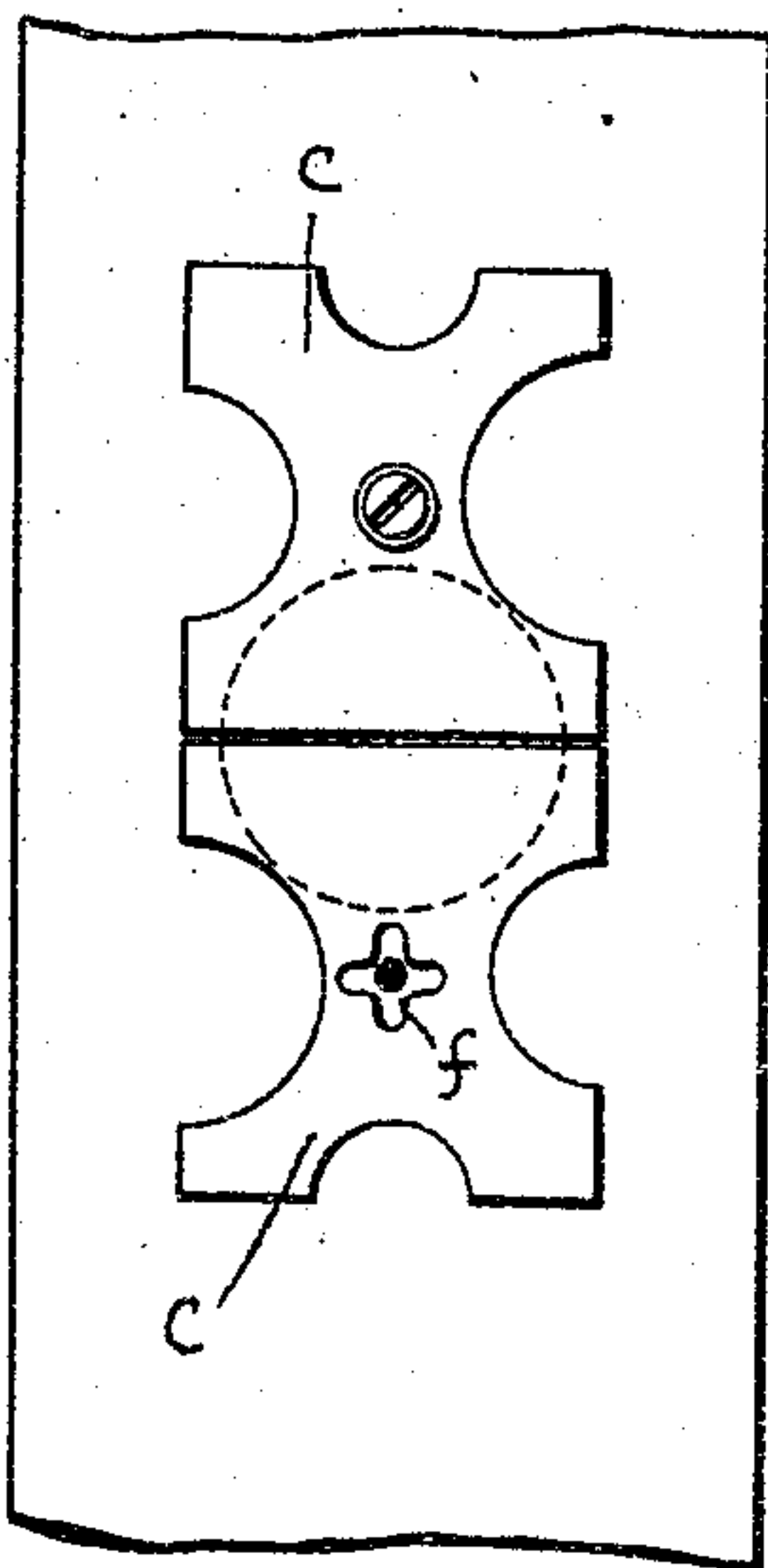


Fig. 2.

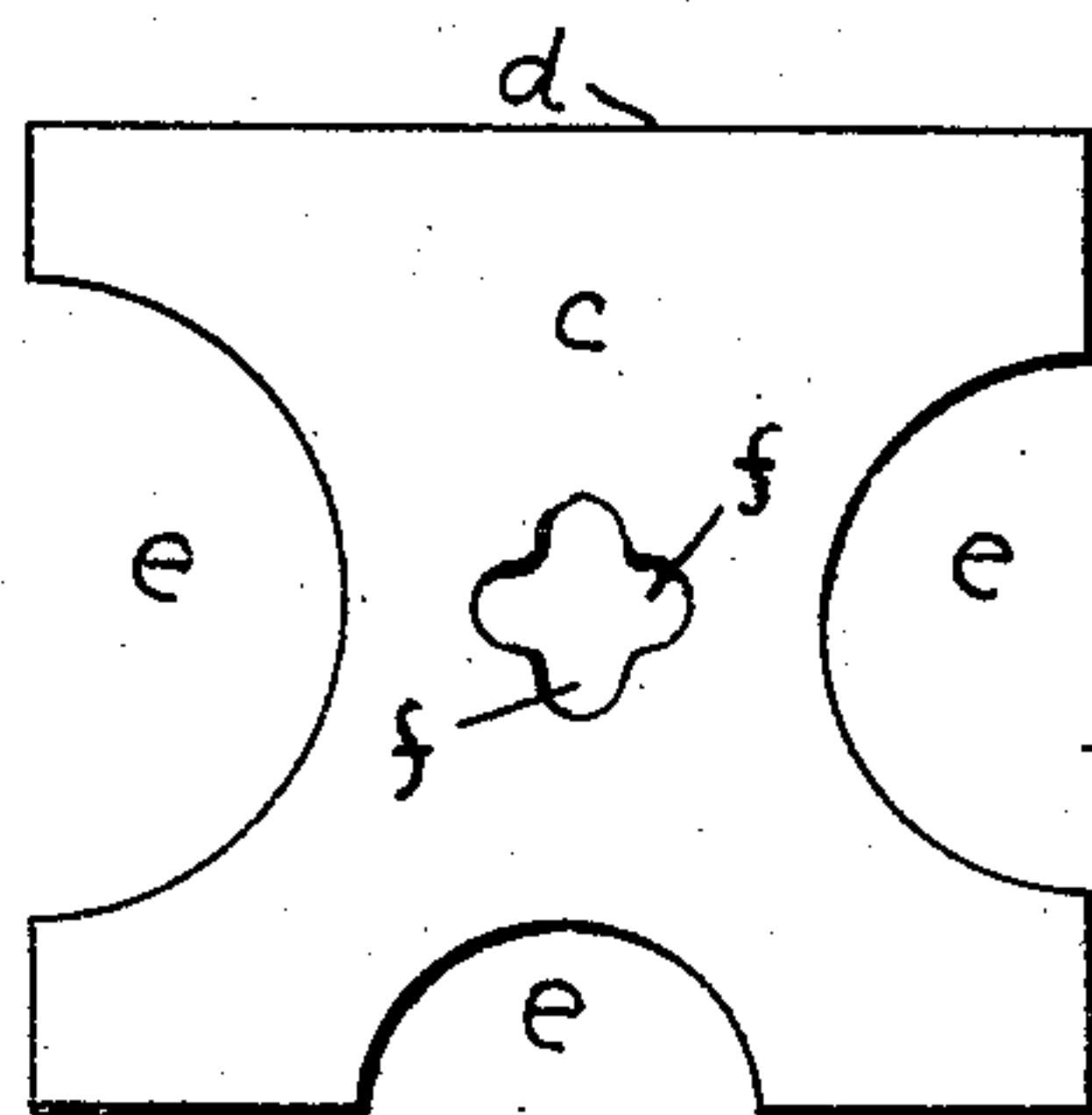


Fig. 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

HARRY A. FISHER, OF PLAINVILLE, CONNECTICUT, ASSIGNOR TO TRUMBULL ELECTRIC MANUFACTURING COMPANY, OF PLAINVILLE, CONNECTICUT, A CORPORATION OF CONNECTICUT.

ELECTRIC SAFETY-BOX.

944,605.

Specification of Letters Patent.

Patented Dec. 28, 1909.

Application filed September 30, 1908. Serial No. 455,488.

To all whom it may concern:

Be it known that I, HARRY A. FISHER, citizen of the United States, residing at Plainville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Electric Safety-Boxes, of which the following is a specification.

The object of my invention is to provide a device of the class specified which has features of novelty and advantage.

Figure 1. is a perspective view of the box. Fig. 2. shows an enlarged view of a side of the box with the shutters closed. Fig. 3. shows an enlarged view of a side of the box with the shutters arranged for the smallest circular opening. Fig. 4. illustrating one of the shutters shows the cross-slots.

Referring to the drawings the side *a* of the box has an original opening as at *b* preferably circular, into which conduit-pipes carrying the main wires are to be fitted. The size of these conduit-pipes varies and it is often necessary to drill larger holes or replace a whole side having a smaller hole in order that the pipes may fit snugly, thus preventing any danger of fire to adjoining inflammable material. This is always cause for delay as well as being expensive.

On each side of the original opening *b* I provide shutters *cc* which are centrally pierced and preferably by means of screws are secured tight against the side of the box. These shutters are both of the same shape each having one straight-edged side as at *d*. On the other edges I provide a number of semi-circular cuts as at *ee* of various diameters. I also prefer to have the shutters cross-slotted as at *f* so that the shutters may be moved either vertically or horizontally.

The operation of the device is as follows: The conduit-pipes are usually in place before the box, and as the pipes are apt to be of most any size I select the semi-circular cut in the shutters that fits the pipe, and after loosening both screws sufficient to allow the shutters, when revolved, to overlap each other, revolve the shutters till the corresponding semi-circular cuts face each other or match up so that the circular opening thereby formed is adapted to snugly fit the conduit-pipe.

As is apparent the screws may be entirely withdrawn so that the corresponding

semi-circular cuts in the shutters may be matched up.

As the pipe might not come in the center of the original opening *b*, by means of the cross-slots *f* both shutters may be moved vertically or horizontally till the new opening is in the desired alinement.

It is often times an advantage to have a number of original openings in the sides of the box, and if any of the openings are not needed the straight-edged sides of the shutters are arranged touching each other so that the opening is entirely closed.

The boxes themselves may be of any non-inflammable material and may be large or small according to the size of the electrical apparatus to be located therein.

I claim:

1. In an electric safety-box, a side of said box having an opening therein, two shutters pivotally secured to the side of said box on opposite sides of said opening, each shutter having a plurality of semi-circular cuts, means for arranging said shutters whereby the opposite corresponding cuts therein provide a circular opening smaller than the original opening in the side of said box.

2. In an electric safety-box, a side of said box having an opening therein, two shutters pivotally secured to the side of said box on opposite sides of said opening, each shutter having a plurality of various sized semi-circular cuts, said semi-circular cuts of one shutter corresponding with the semi-circular cuts of the opposite shutter, means for adjustably securing the opposite shutters so that the corresponding semi-circular cuts will face each other whereby a circular opening of smaller size than the original opening is provided in the side of said box.

3. In an electric safety-box, a side of said box having an opening therein, two shutters pivotally secured adjacent said opening, said shutters being centrally cross-slotted whereby they may be moved vertically or horizontally, each shutter having a plurality of semi-circular cuts on their outer edges, and means for adjustably securing said shutters whereby the desired size of a circular opening smaller than the original opening may be provided in the side of said box.

4. In an electric safety-box, a side of said box having an opening therein, two shutters pivotally mounted and secured to the

side of said box on opposite sides of said opening, each of said shutters having one straight-edged side adapted to face each other and close said original opening and a
5 numerality of various sized semi-circular cuts near their other edges whereby said original opening in the side of said box may be either entirely closed or changed to a circular opening of a desired size smaller than
10 said original opening in the side of said box substantially as described.

5. In an electric safety box, a side of said box having an opening therein, two shutters rotatably secured to the side of said box

on opposite sides of said opening, each of 15 said shutters having one straight edged side adapted to face each other and close said original opening, and having a plurality of semi-circular cuts adapted to be arranged opposite corresponding semi-circular cuts on 20 the adjacent shutter.

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

HARRY A. FISHER.

Witnesses:

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C. W. JONES.