No. 786,724. PATENTED APR. 4, 1905.

W. H. BROWNE.

METER COVER AND MEANS FOR SECURING SAME.

APPLICATION FILED JULY 23, 1904.

Fig. 1.

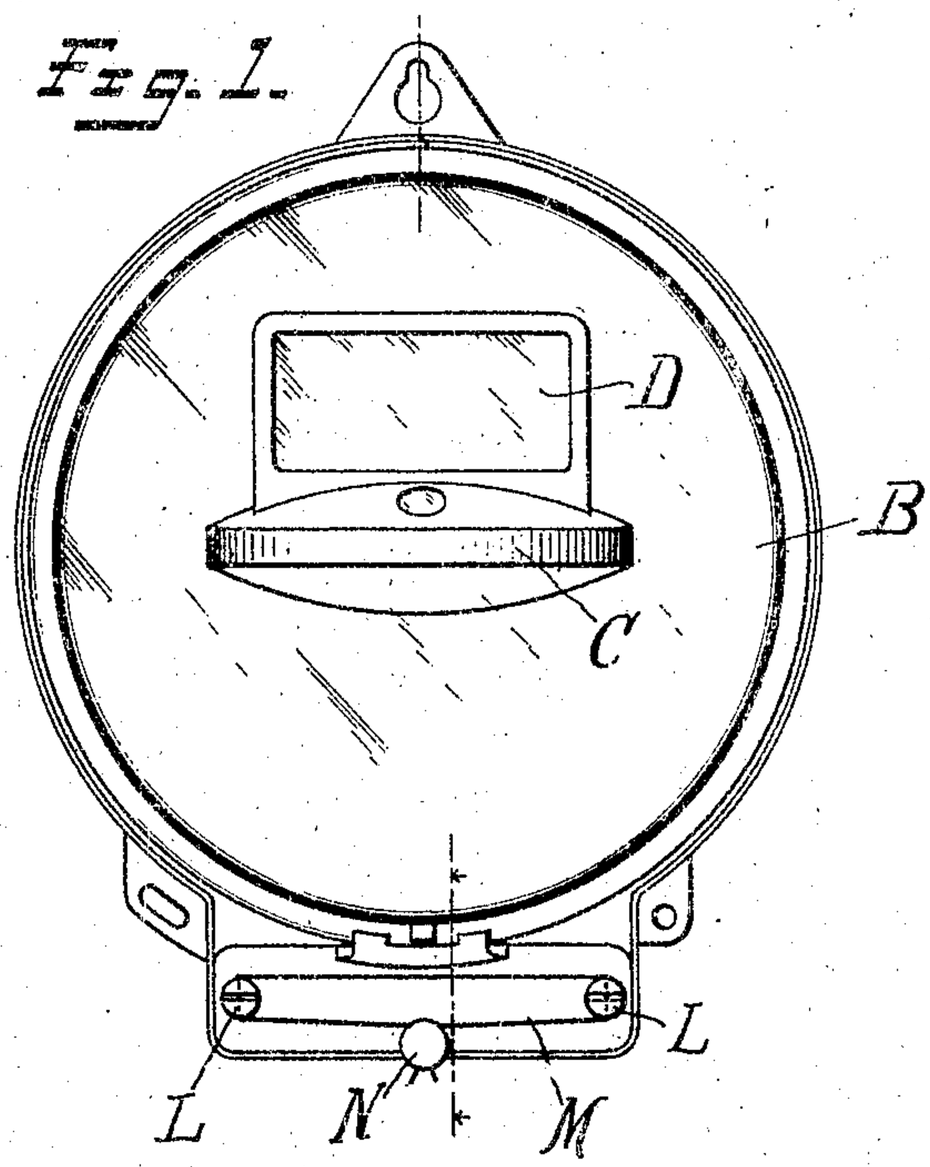


Fig. 3.

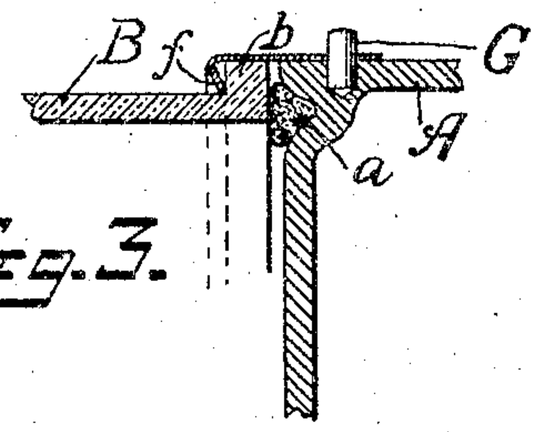


Fig. 4.

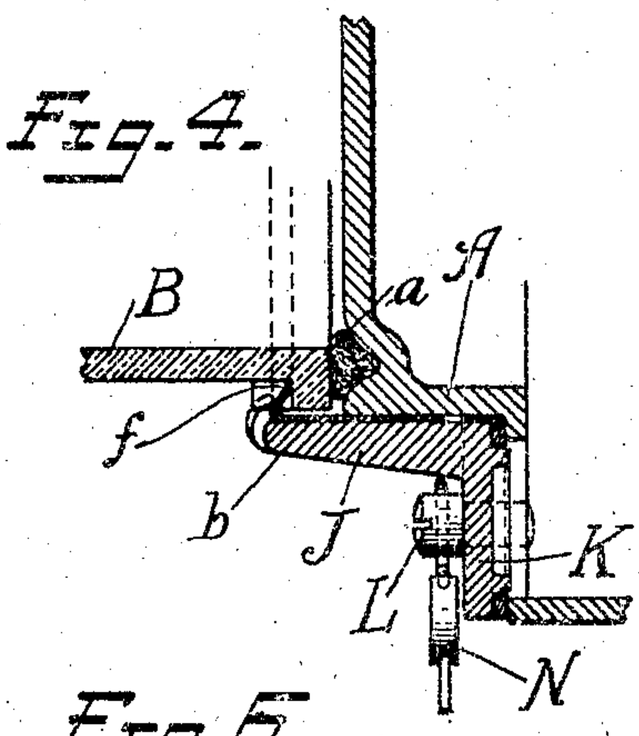


Fig. 2.

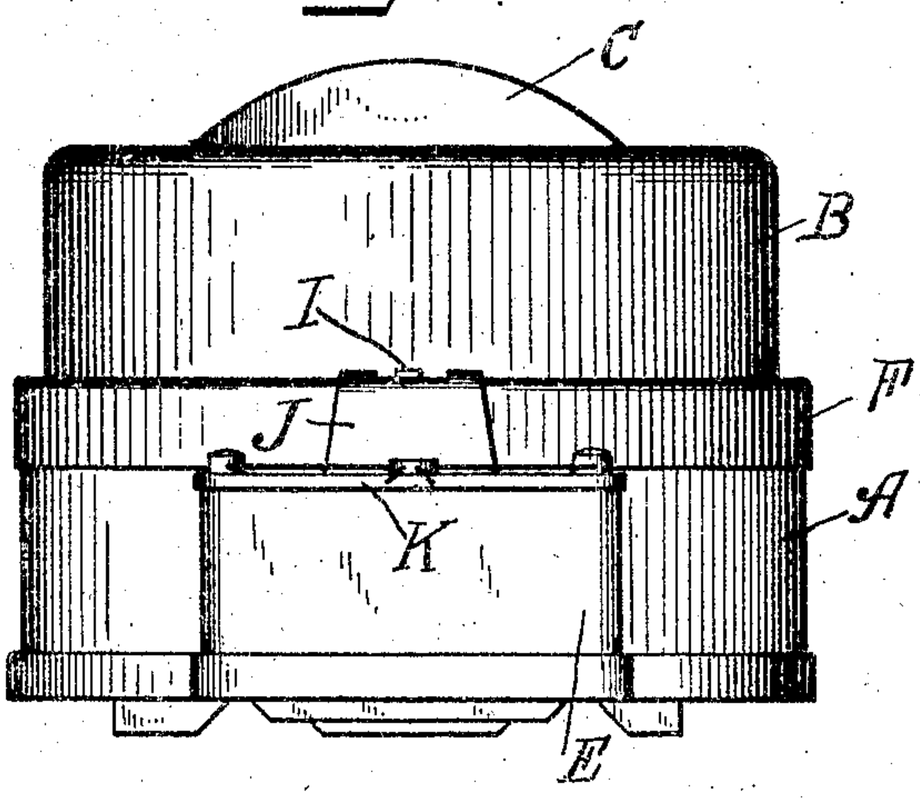


Fig. 6.

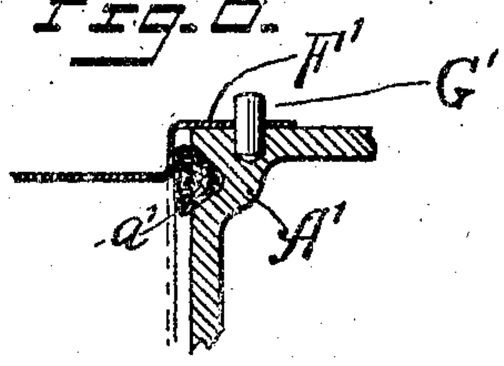
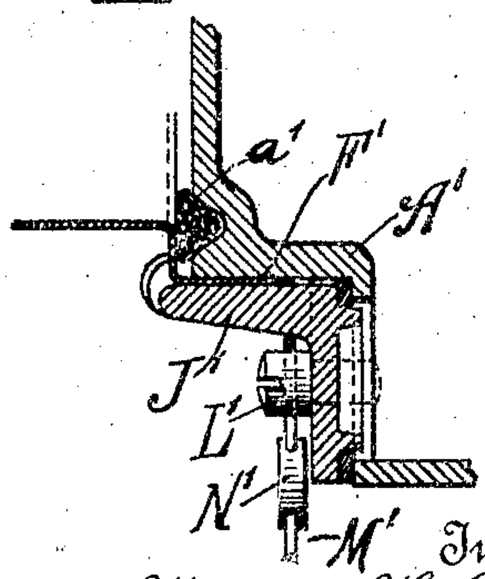


Fig. 5.

Fig. 7.



Witnesses
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By his Attorneys
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No. 786,724. Patented April 4, 1905

UNITED STATES PATENT OFFICE.

WILLIAM H. BROWNE, OF GREAT BARRINGTON, MASSACHUSETTS, ASSIGNOR TO STANLEY INSTRUMENT COMPANY, OF GREAT BARRINGTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

METER-COVER AND MEANS FOR SECURING SAME.

SPECIFICATION forming part of Letters Patent No. 786,724, dated April 4, 1905.

Application filed July 23, 1904. Serial No. 217,804.

To all whom it may concern:

Be it known that I, WILLIAM H. BROWNE, a citizen of the United States, residing at Great Barrington, county of Berkshire, State of Massachusetts, have invented certain new and useful Improvements in Meter-Covers and Means for Securing the Same, of which the following is a full, clear, and exact description.

My invention relates to improvements in meter-covers and means for securing meter-covers to meter-cases, and has for its object to provide a cover secured by a simple and safe means in such a way as to render the meter dust-proof and to prevent tampering with the mechanism. It is capable of being embodied in various forms with meters having glass covers as well as meters having metallic covers. It is also capable of being used with meters having two fuse-boxes as well as one terminal-box, as will be hereinafter described.

The following is a description of my invention, reference being had to the accompanying drawings, in which—

Figure 1 represents a front elevation of a meter embodying my invention. Fig. 2 is a view looking toward the bottom of the meter. Figs. 3, 4, and 5 are details of construction. Figs. 6 and 7 are details of a modification showing the invention when used with a metallic cover.

Referring more particularly to the drawings, A is the meter-case, having a groove containing a compressible packing *a*.

B is the cover, which in the preferred form is made of glass or other similar material. This cover is provided with a projection C for one edge of the meter-disk and a portion D, behind which the indicators of the registering mechanism may appear.

E is the terminal-box.

F is a metallic ring preferably detachable from the glass portion of the cover and having an overturned edge *f*, which bears upon the rim *b* of the cover B. The ring F is provided with a hole which fits over a plug C, secured to the meter-case. On the opposite side from the hole the ring F is provided with a notch H, which fits over a portion I, formed on one side of the glass portion of the meter-cover, acting through the ring and plug G to define the position of the glass portion. The pin G holds one side of the ring in place. The other side is held in place by a clamp J, whose inturned ends bear upon the top of the ring F, the clamp itself being integral with the cover K of the terminal-box E. This cover is secured to the terminal-box by screws L L, which screws are provided with transverse perforations through which passes a wire M, whose ends are secured by a seal N.

In the form shown in Figs. 6 and 7 the ring F′ is made integral with the main body of the cover, one side having a hole engaging with a pin G′ in the same manner as above described, the other parts, A′ *a*′ J′ L′ M′ N′, being the same as in the other form.

In constructions where there are two terminal-boxes the plug G may he omitted if the cover of the second terminal-box is provided with a clamp similar to the clamp J.

The invention permits of various embodiments. Various forms of fastening devices may be used and other obvious changes made such as would occur to one skilled in the art without departing from the spirit of my invention.

What I claim is—

1. In a meter the combination of a meter-case, a cover having an offset and a flange depending therefrom, a clamp secured to said case and engaging said offset so as to secure said cover to said case so that the flange surrounds an adjacent portion of said case and extends over the joint between said offset and said case.

2. In a meter the combination of a meter-case with a cover having an offset and a flange depending therefrom, said flange having a hole in one side, a pin projecting from said case and passing through said hole and a clamp detachably secured to said case and engaging said flange on the other side of said cover.

3. In a meter the combination of a meter-case with a cover having an offset and a flange depending therefrom, said flange having a

hole in one side, a pin projecting from said case and passing through said hole and a clamp detachably secured to said case and engaging said flange on the other side of said cover and means for sealing said clamp.

4. In a meter, the combination of a meter-case, a main cover portion having a depending flange, means for securing one side of said flange to said case, a terminal-box having a detachable cover, and means attached to said detachable cover for securing the other side of said flange to said case.

5. In a meter, the combination of a meter-case, a main cover portion having a depending flange, means for holding one side of said flange in position, a terminal-box having a detachable cover, a clamp attached to said cover for holding the other side of said flange in position, and means for sealing said clamp.

6. In a meter, the combination of a main cover portion having an outwardly-projecting portion, a ring having an inwardly-turned portion engaging said projecting portion, means for holding said ring in a definite position relatively to said case, and a projection for definitely determining the position of said main cover portion relatively to said ring.

Signed at Great Barrington, Massachusetts, this 18th day of July, 1904.

WILLIAM H. BROWNE.

Witnesses:
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WILLIAM C. ANDREWS.