

No. 657,116.

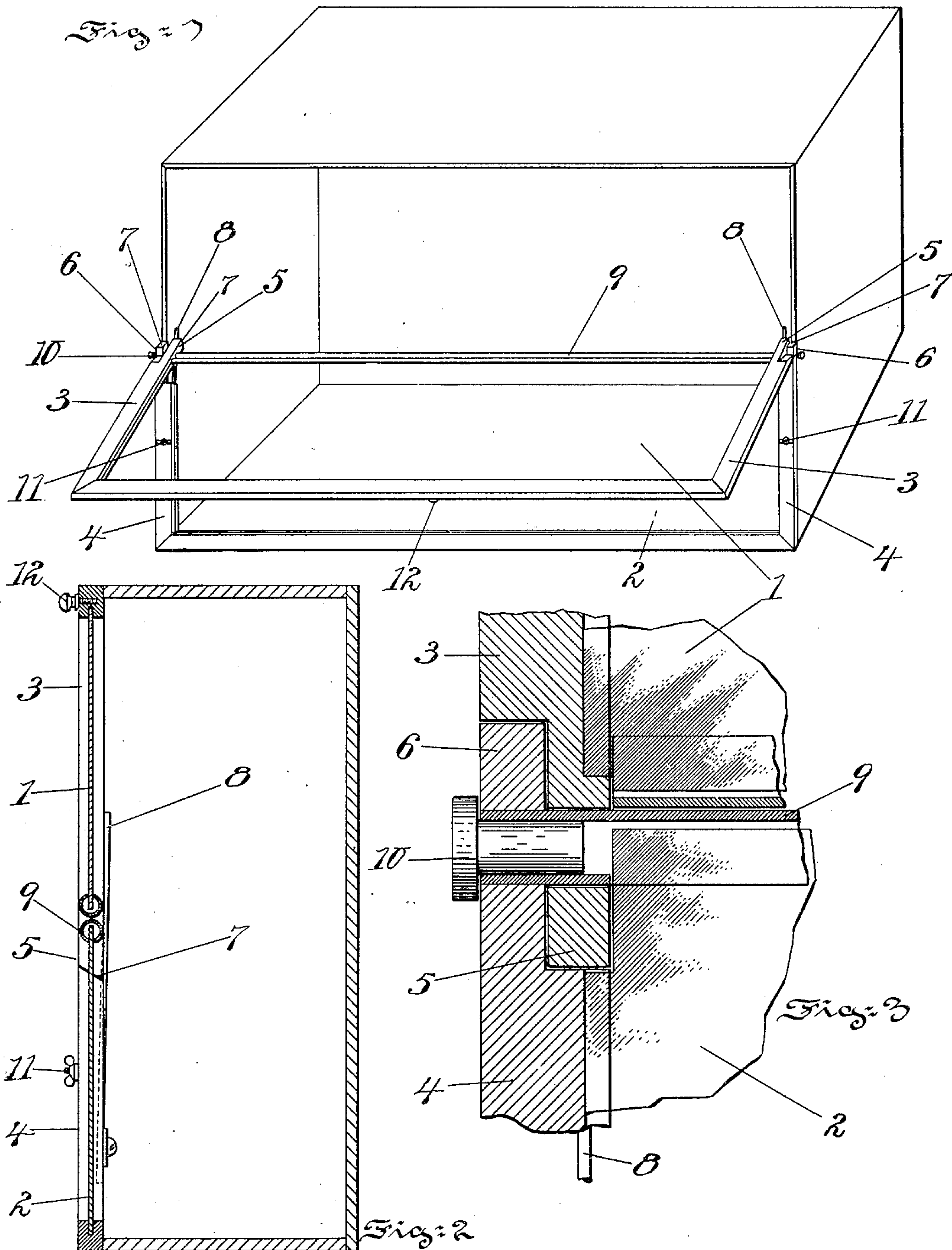
Patented Sept. 4, 1900.

W. S. IVINS.

DISPLAY BOX.

(Application filed Feb. 5, 1900.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

WALTER S. IVINS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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DISPLAY-BOX.

SPECIFICATION forming part of Letters Patent No. 657,116, dated September 4, 1900.

Application filed February 5, 1900. Serial No. 3,979. (No model.)

To all whom it may concern:

Be it known that I, WALTER S. IVINS, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Display-Boxes, of which the following is a specification.

One object of the present invention is to provide such a box with a simple, durable, and comparatively-inexpensive two-part glass front, of which one part is normally closed by a spring, but is capable of remaining in open position, thus facilitating the removal of the contents of the box.

The invention comprises the improvements hereinafter described and claimed.

The nature, characteristic features, and scope of the invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a perspective view of a display-box embodying features of the invention and showing the hinge portion of the front in open position. Fig. 2 is a transverse central section of the box shown in Fig. 1, and Fig. 3 is a sectional view drawn to an enlarged scale in order to illustrate details of construction.

Referring to the drawings, the front of the box is made up of two glass plates 1 and 2, of each of which three sides are framed in wooden strips and of which the adjoining sides are framed in split metal tubes which lie close to each other. The side strips 3 and 4 are hinged together, and for this purpose they are cut away at their ends so as to form projections 5 and 6, which overlap, as shown in Fig. 3. The ends of the projections are beveled, as at 7, Fig. 2, so as to facilitate opening and closing.

8 represents springs illustrated as straight pieces of spring-wire, of which one end is secured to the strips 4 and of which the free ends cooperate with the projections 5 or ends of the strips 3. These springs 8 normally bear upon the inside faces of the strips 3, and thus tend to hold the hinged member of the front of the box in closed position, as is shown in Fig. 2. However, when this portion of the box is opened wide, as is shown in Fig. 1, the springs

8 rest upon the ends 7 of the strips 3, and consequently do not exert any tendency to close the cover. This is advantageous, because it facilitates the operation of removing measured quantities of the contents of the box by leaving both hands of the salesman free, which would not be the case if he had to hold the box open or else repeatedly open and shut it. As soon as the lid is closed sufficiently far the springs operate to close the box and to hold it in closed position.

The hinge shown in the drawings is made by continuing one of the tubes 9 through the projections 5 and 6, so that it constitutes the hinge-pin, and, if desired, plugs, as 10, may be inserted, so as to afford additional strength and improve the appearance or finish.

11 represents fastenings that may be employed for securing the cover to the box in such a manner that it can be removed from and applied to various boxes as required, and 12 is a handle that constitutes a convenience in opening and closing the hinge portion of the front of the box.

It will be obvious to those skilled in the art to which my invention relates that modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth and illustrated in the accompanying drawings; but,

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

1. A front for a display-box comprising the combination of a stationary member and a hinged member, both consisting of frames fitted with plates of glass, said frames being composed of wooden strips arranged around three sides of the plates and whereof the two side strips are cut away so as to overlap, slotted metal tubes for the fourth side of each of said plates whereof one extends through the said overlapping portions of the strips, and springs attached to the stationary member and cooperating with the ends of the strips for holding the hinged member at rest in open or closed position with respect to the stationary member, substantially as described.

2. A front for a display-box comprising the combination of a stationary member and a hinged member, both consisting of frames fitted with plates of glass, said frames having
5 their end strips provided with projections adapted to overlap and underlie each other, respectively, and split tubular members, forming the adjoining edges of the frames and
10 whereof one extends through the said projections and constitutes a hinge, and springs at-

tached to the stationary member and adapted to abut the projections of said hinged member, substantially as described.

In testimony whereof I have hereunto signed my name.

WALTER S. IVINS.

Witnesses:

GRACE B. HURLBUT,
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