No. 673,712. Patented May 7, 1901.

J. S. HARPER.

SHOW CASE.

(Application filed Oct. 16, 1900.)

(No Model.)

Fig. 3.

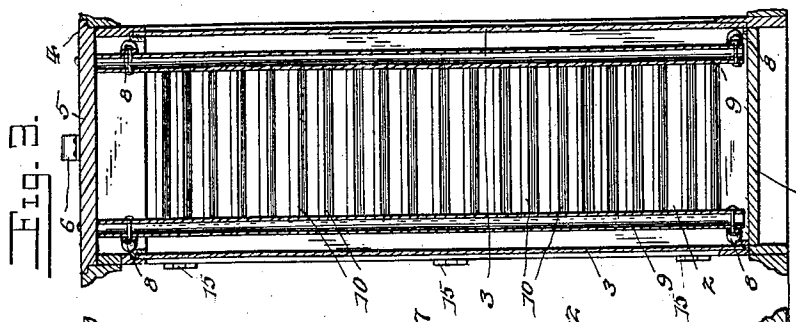


Fig. 2.

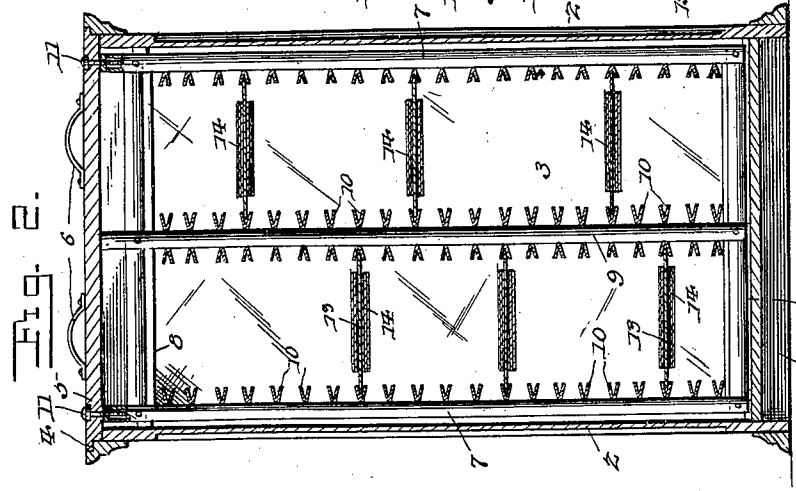


Fig. 4.

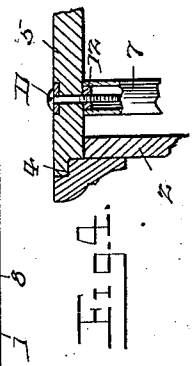
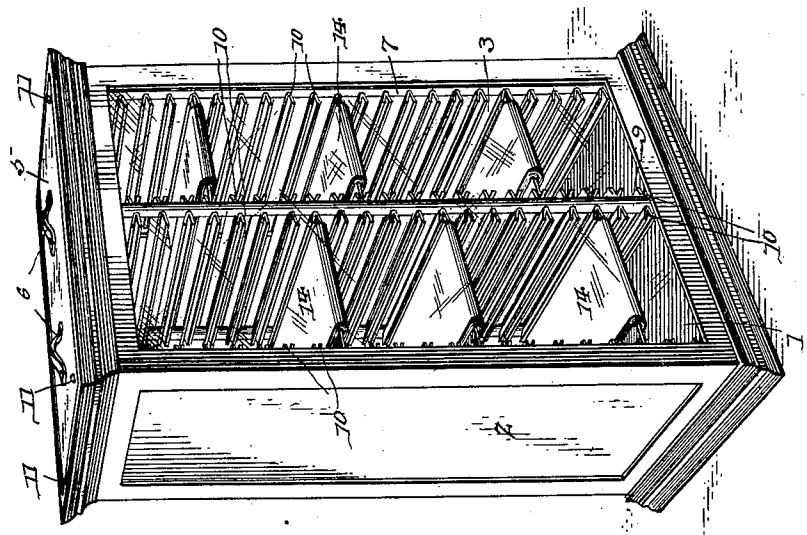


Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

JONATHAN SAMUEL HARPER, OF DAVID CITY, NEBRASKA.

SHOW-CASE.

SPECIFICATION forming part of Letters Patent No. 673,712, dated May 7, 1901.

Application filed October 16, 1900. Serial No. 33,258. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN SAMUEL HARPER, a citizen of the United States, residing at David City, in the county of Butler and State of Nebraska, have invented a new and useful Show-Case, of which the following is a specification.

This invention relates to show-cases, and has for its object to provide an improved device of this character which is especially designed for displaying bolted goods, such as laces, although capable of containing other articles. It is furthermore designed to provide an improved internal frame for supporting all of the articles and to have means for conveniently adjusting the frame within the body of the case, so that it may hang level therein.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a show-case constructed in accordance with the present invention. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a similar view taken at right angles to Fig. 2. Fig. 4 is an enlarged detail sectional view taken through one upper corner of the inner removable frame and the adjacent portion of the cover of the case to show the adjustable connection therebetween.

Corresponding parts are designated by like characters of reference in all of the figures of the drawings.

Referring to the drawings, it will be seen that the external case comprises a bottom 1, opposite wooden sides 2, and the glass sides or panels 3 for exposing the interior of the case. The upper open side of the case has its inner edges rabbeted, as at 4, for the reception of a removable top or cover 5, which is provided with suitable handles 6 for convenience in removing the top.

Located within the case is an article-supporting skeleton frame formed by corner tubular uprights or bars 7, which are connected at their opposite ends by the cross-bars 8, which are also preferably formed of tin or other sheet-metal tubes, so as to give lightness and strength to the frame. The frame may also be provided with intermediate upright bars 9, if required for strength and according to the size of the frame. Grooved supporting-ledges 10 are connected to the inner sides of the opposite frame-bars, said ledges being arranged in opposite pairs and also parallel. It is preferable to form each ledge from a single blank of sheet metal, which is bent or folded so as to be of substantially V shape in cross-section and having its vertex soldered or otherwise secured to the inner sides of opposite upright frame-bars. When the frame has intermediate uprights, the ledges or strips are connected to the same also, so as to be supported at their intermediate points to prevent sagging. It will be seen by reference to Fig. 1 that this frame is suspended from the removable top or cover of the case by means of adjusting-screws 11, which pass loosely through suitable openings formed through the top and engage nuts 12, secured to the upper open ends of the tubular corner-uprights of the frame, whereby the inner ends of the screws are received within said uprights. By this arrangement the heads of the adjusting-screws may lie close to the upper side of the top or cover, and by adjusting the screws the frame may be brought to a level within the case without projecting the screws above the upper end of the case, whereby the latter is free from projections. Thus the frame does not rest upon the bottom of the case, although it may do so, if desired, and in any event it is carried by or secured to the cover of the case, so that it may be conveniently lifted out of the case by the removal of the cover.

It will be understood that the opposite ends of the grooves in the ledges or strips are open, so that the card or board 13 of the bolt 14 of lace may be slid endwise into a pair of opposite grooves, from which the bolt may be removed at either end of the strips.

Although I have shown two glass sides and two wooden sides, it will of course be understood that all of the sides may be formed of

glass. Also it is preferable to have one of the sides hinged, so as to give access to the articles carried by the inner frame without requiring the removal of said frame through the top of the case. As shown in Fig. 3 of the drawings, the back panel of the case is provided with hinges 15, so as to form a door, whereby access may be conveniently had to the interior of the case. Moreover, the inner frame may be inserted through the door instead of through the top of the case and the cover connected to the frame after the latter has been placed within the case.

What is claimed is—

1. A show-case, having transparent sides, a removable top, a lateral door, an internal skeleton article-supporting frame suspended solely from the top and removable therewith, and comprising corner-bars, and cross-bars connecting the same, said cross-bars being arranged endwise to the door and forming supports for the articles to be displayed whereby said articles may be inserted and removed through the lateral door without removing the frame from the case.

2. A show-case, comprising an outer glass-paneled case, a removable top or cover therefor, an inner article-supporting frame, and adjustable fastenings connecting the frame to the top or cover.

3. A show-case, comprising an outer glass-paneled case, an inner removable article-supporting frame, a removable top or cover for the case, and screw-threaded adjustable connections between the cover and the frame, said connections passing loosely through openings in the cover and engaging screw-threaded openings in the upper portion of the frame.

4. A show-case, comprising a glass-paneled external case, a removable top or cover therefor, an internal skeleton article-supporting frame, having opposite pairs of grooved strips or ledges, and a connection between the top or cover and the frame.

5. A show-case, comprising an outer glass-paneled case, a removable top or cover therefor, an inner skeleton frame connected to and removable with the cover or top, and pairs of opposite substantially V-shaped sheet-metal strips or ledges carried by the frame.

6. A show-case, comprising an outer glass-paneled case, a removable top or cover therefor, an inner removable skeleton frame, having tubular uprights, nuts secured to the upper extremities of the uprights, adjusting screw connections passing loosely through openings in the top or cover and engaging the respective nuts, the inner ends of the adjusting connections being received within the tubular uprights, and article-supporting strips secured transversely across the uprights of the frame.

7. The combination with a show-case having transparent sides, a removable top, and a lateral door, of an internal removable article-supporting frame adjustably connected to the removable top, and provided with opposite grooved ledges or strips, which are arranged endwise to the door.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JONATHAN SAMUEL HARPER.

Witnesses:
O. E. MUNNS,
PHILIP HARPER.