

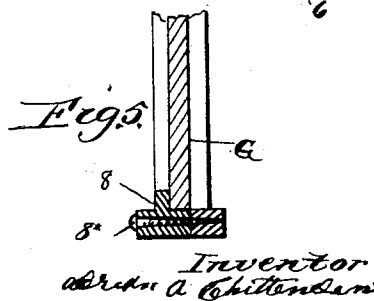
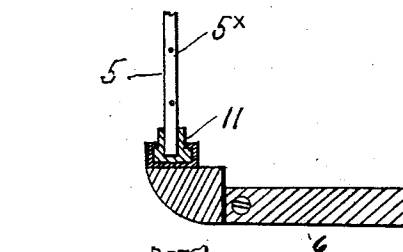
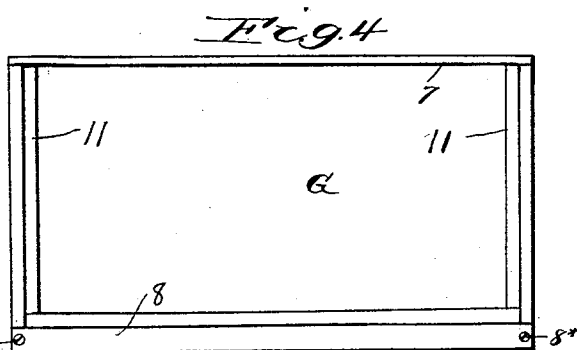
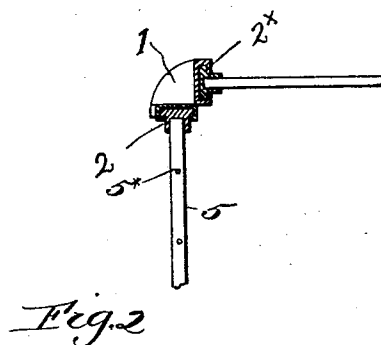
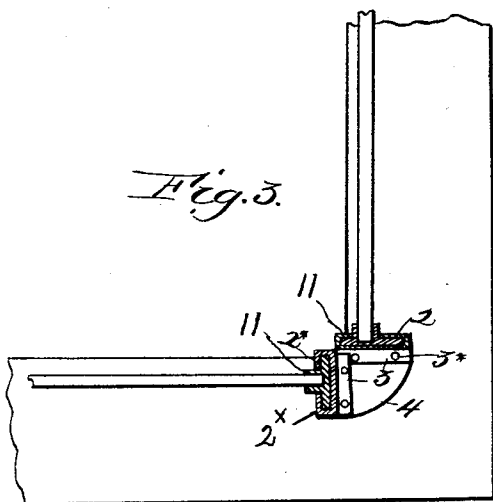
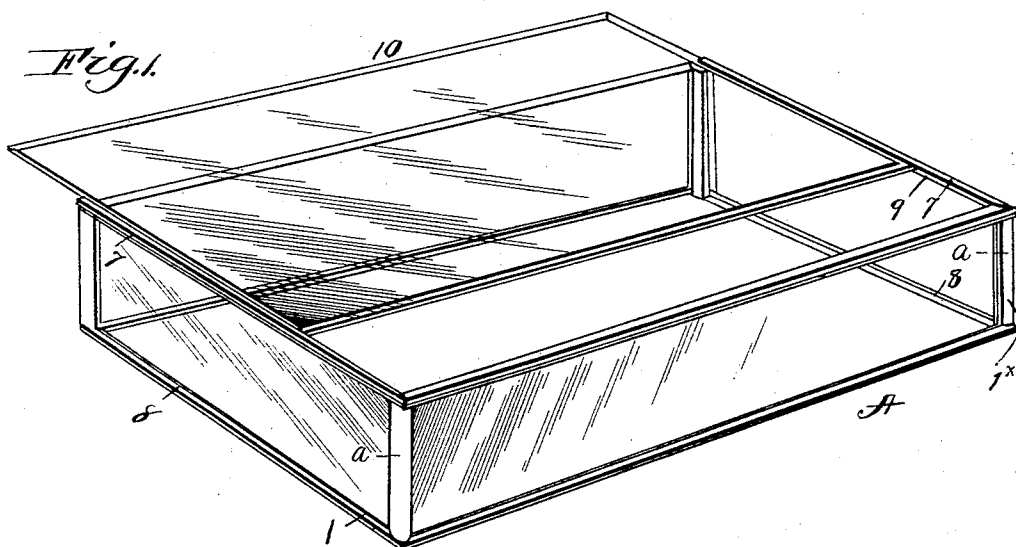
(No Model.)

A. A. CHITTENDEN.
SHOW CASE.

2 Sheets—Sheet 1.

No. 579,957.

Patented Apr. 6, 1897.



Witnesses
Hollis Munrook.
J. M. Fowler Jr.

Inventor
A. A. Chittenden

(No Model.)

2 Sheets—Sheet 2.

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Fig. 6.

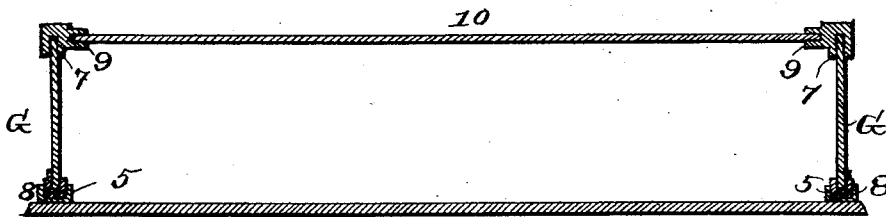
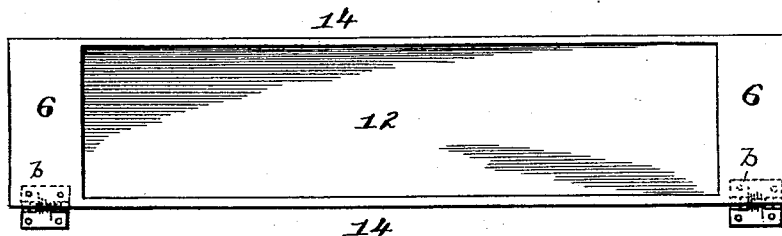


Fig. 7.



Witnesses—

A. G. Heymann.
Geo. H. Evans

Inventor—

A. A. Chittenden
By Wm. H. Bates
Attorney

UNITED STATES PATENT OFFICE.

ADRIAN ALBERT CHITTENDEN, OF ARCOLA, ILLINOIS.

SHOW-CASE.

SPECIFICATION forming part of Letters Patent No. 579,957, dated April 6, 1897.

Application filed February 25, 1896. Serial No. 580,636. (No model.)

To all whom it may concern:

Be it known that I, ADRIAN ALBERT CHITTENDEN, a citizen of the United States, residing at Arcola, in the county of Douglas and State of Illinois, have invented certain new and useful Improvements in Show-Cases; 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.

My invention has relation to improvements in show-cases; and the object is to construct a new and useful show-case which may be readily taken apart for packing in transportation and for cleaning and in which the glasses are bound by and contained in metal bindings or frames about the edges thereof, which fit and are held in vertical grooves in the corner-posts and rest in channel-irons at the bases, as hereinafter will be fully described, and particularly pointed out in the claims.

I have fully and clearly illustrated the invention in the accompanying drawings, forming a part of this specification, and wherein—

Figure 1 is a perspective of a show-case embodying my invention, showing the sliding top partially drawn back. Fig. 2 is a sectional view showing the channel-irons which connect the bases of the corner-posts. Fig. 3 is a top plan view showing the metal-bound glasses inserted in the grooves of the corner-posts. Fig. 4 is a view in elevation, showing the separable strip of metal binding at the base of one of the glasses. Fig. 5 is a sectional view showing the fastening for the separable strips. Fig. 6 is a longitudinal section through the show-case, showing the top pieces with the grooves in which the top slides. Fig. 7 is a view in elevation showing the door-frame, and the springs on the hinges and mirror arranged in the frame.

A designates a show-case rectangular in construction and comprising the metal-bound glasses and the vertically-grooved corner-posts and provided with a removable sliding top and door at the back for convenient access to the case.

The corner-posts 1 1^x at the front of the case are duplicates in construction, made of suitable metal struck up or otherwise formed and provided with vertical T-grooves 2 2^x,

in which the T-head bindings on the ends of the glasses engage and are held, the corner-posts being disposed so that the grooves are at right angles to each other to receive the glasses. The corner-posts are formed with bottom flanges 3, through which fastening-screws 3^x are projected to hold them fixed to a proper base-frame 4. In the bases of the said vertical grooves in the corner-posts are arranged and secured the respective ends of channel-irons 5, the channel or groove of which is adapted to take in and hold the lower edges of the metal-bound glasses.

In the bottom of the channel or groove of the channel-irons are a number of perforations 5^x, through which may be projected nails or small screws to fasten them down on the base-frame pieces, as indicated in the drawings. The corner-posts at the back of the case have but one vertical slot, as shown in Fig. 2, in order that a door-frame 6 may be suitably secured thereto of any proper character, a mirror, as 12, being placed in the door-frame.

The door-frame may consist of a sheet of metal having the edges 14 turned over and down and over the edges of the mirror to hold it in position, and the door-frame is hinged to the case, as at *b*, the hinges being provided with springs of any well-known kind to return it to upright position.

The space or angle between each pair of corner-posts is filled in with any suitable material and the filling shaped to any design desired or convenient, as indicated at *a* in the drawings.

G designates the glasses, having metal bindings on their edges. The upper bindings consist of strips of sheet metal bent down on themselves and adapted to clamp the edges of the glasses between them. The bottom binding 8 is made separable, so that the glass, if broken, may be removed and a new glass inserted. To effect this, I make the bottom strips in two parts and then secure the strips together by small screws 8^x, as shown in Fig. 5 of the drawings. The end pieces of the metal bindings on the glasses consist of flanged T-heads 11, the glasses fitting between the flanges and the T's taking in the vertical slots of the corner-posts, as shown in Figs. 2 and 3 of the drawings, to hold the

parts locked together. In the end pieces or bindings 7 of the frame are formed side grooves 9, in which the ends of the sliding top 10 take and slide, substantially as shown in Figs. 1 and 6 of the drawings.

5 It will be perceived that I make a show-case easily and conveniently assembled and as readily taken apart; also, that any one or more of the glasses may be taken out for cleaning without removing the goods from the case, and that when the glasses are cleaned they can be replaced, and the whole case then be as firm and stable as in instances where the connections are rigid and inseparable.

10 15 What I claim as new, and desire to secure by Letters Patent, is—

1. A show-case, comprising front corner-posts formed with T-shaped grooves therein arranged at right angles to each other, rear 20 corner-posts formed with T-shaped grooves therein, channel-bars connecting the corner-posts at their bases, and adapted to be attached to a base for the case, and metal-bound glasses having their end pieces formed with 25 T-shaped flanges to engage and lock in the grooves of the posts and their bottom bindings to set in the channels of the channel-bars at the base thereof.

2. A show-case, comprising corner-posts 30 formed with vertical T-head slots, rectangular metal frames having end pieces formed with T-heads to engage in the slots of the corner-posts, and panes of glass secured in the metal frames.

3. A show-case, comprising front corner- 35 posts formed with T-shaped grooves therein arranged at right angles to each other, channel-bars connecting the corner-posts at their bases, upper bars for the end frames formed with inwardly-projecting flanges provided 40 with grooves 9, a sliding top disposed in the said grooves, a door-frame hinged to the back of the case, and a mirror in the door-frame, substantially as set forth.

4. A show-case, comprising rectangular 45 frames of glass, T-head metal bindings on the ends of the glasses, a metal binding on the upper edge of the glasses, a separable metal binding on the lower edges of the glasses, and corner-posts formed with T-grooves to take 50 in the T-heads of the bindings.

5. A show-case, comprising rectangular frames of glasses, T-head metal bindings on the ends of the glasses, a metal binding on the upper edge of the glasses, a separable 55 metal binding on the lower edge of the glasses, corner-posts formed with T-grooves to take in the T-heads of the bindings, and channel-iron connections between the bases of the posts in which the lower edges of the metal 60 bindings rest.

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

ADRIAN ALBERT CHITTENDEN.

Witnesses:

ALEX. S. STEUART,
NORVAL H. BUSEY, Jr.