No. 837,210. PATENTED NOV. 27, 1906.

N. FELLS.

SHOW WINDOW.

APPLICATION FILED APR. 14, 1906.

Fig. 1.

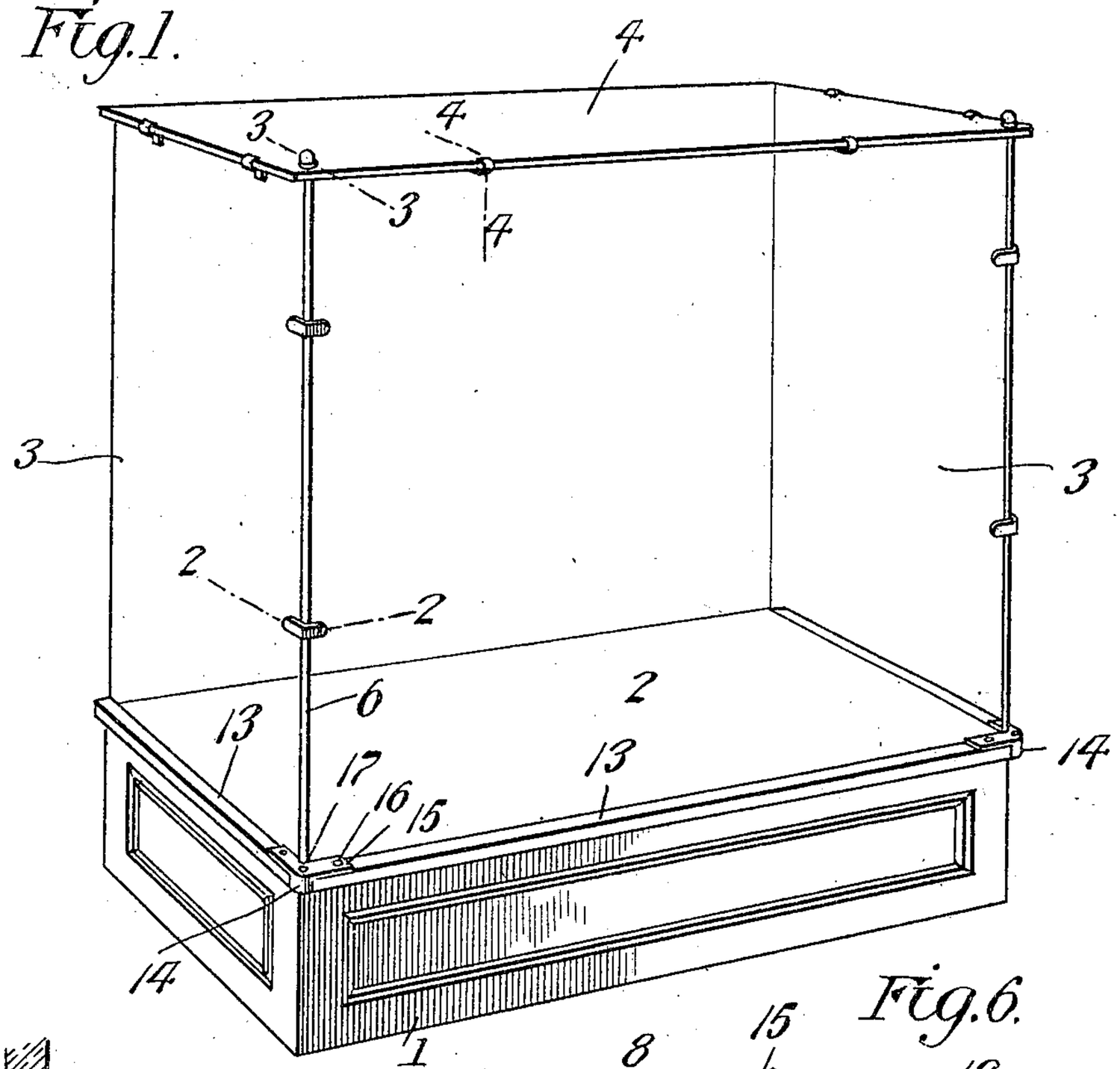


Fig. 2.

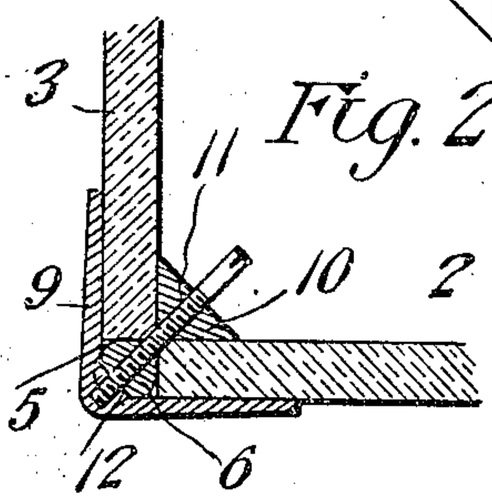


Fig. 3.

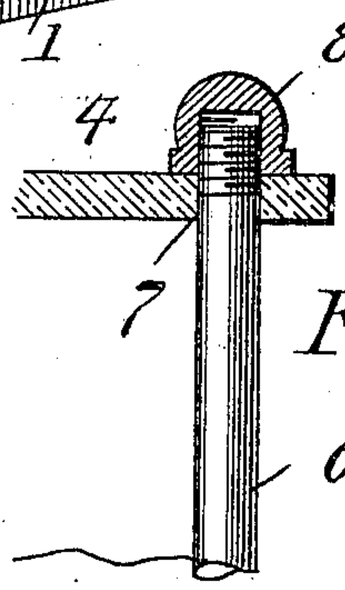


Fig. 6.

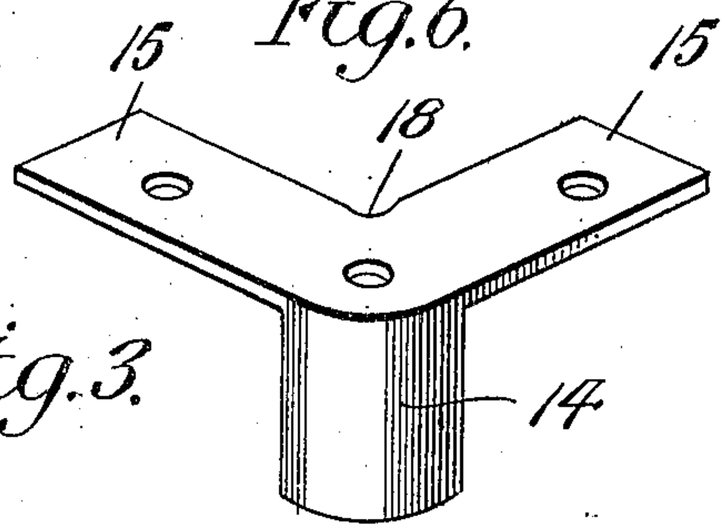


Fig. 5.

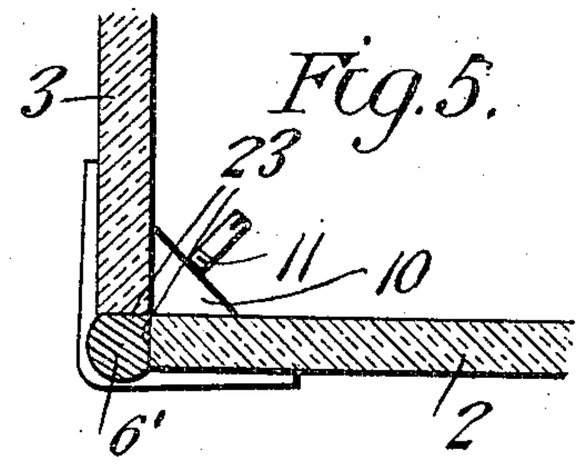
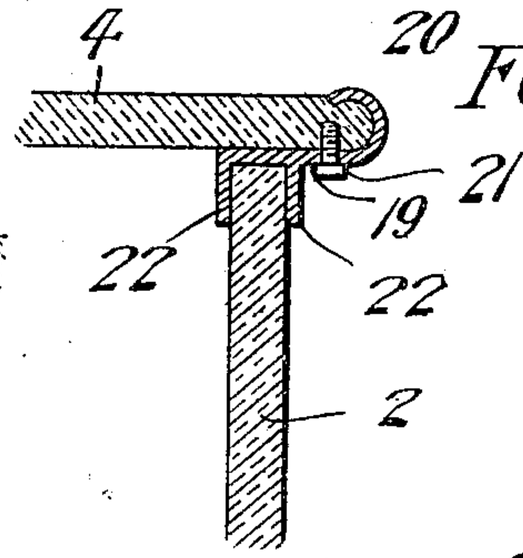


Fig. 4



Witnesses

Geo. Ackman Jr.

F. S. Elmore

Inventor

Noah Fells

By Victor J. Evans.

Attorney

UNITED STATES PATENT OFFICE.

NOAH FELLS, OF WASHINGTON, DISTRICT OF COLUMBIA.

SHOW-WINDOW.

No. 837,210. Specification of Letters Patent. Patented Nov. 27, 1906.

Application filed April 14, 1906. Serial No. 311 786.

To all whom it may concern:

Be it known that I, NOAH FELLS, a citizen of the United States, residing at Washington, in the District of Columbia, have invented new and useful Improvements in Show-Windows, of which the following is a specification.

This invention relates to show-windows or show-cases composed of sheets or plates of glass assembled with their edges in meeting relation at right angles to each other, and has for its objects to produce a comparatively simple inexpensive device of this character wherein the edges of the glass will be effectually protected at the joints, one wherein a neat attractive joint is produced, and this without incurring the usual expense of beveling the edges of the glass, and one in which the protecting elements or rods will be maintained firmly and securely in place.

A further object of the invention is to provide a device of this class in which the sheet or plate of material forming the top of the case will be firmly secured in place in an effective though inexpensive manner and one wherein the lowermost rod-holding members subserve the additional function of retaining the glass-retaining moldings in place.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a perspective view of a show case or window, showing the sheets or plates of glass connected in accordance with the invention. Fig. 2 is an enlarged detail sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a detail view, partly in section, the section being taken on the line 3 3 of Fig. 1. Fig. 4 is a sectional view, on an enlarged scale, taken on the line 4 4 of Fig. 1. Fig. 5 is a view similar to Fig. 2, showing a slightly-modified form of device. Fig. 6 is a perspective view of one of the coupling members employed in connecting the ends of the glass-retaining molding.

Referring to the drawings, it will be seen that the case comprises, as usual, a base 1, a front plate 2, end plates 3, and a top plate 4, which latter, together with the plates 2 and 3, is composed of glass. The plates 2 and 3 are arranged at right angles to each other, as seen in Fig. 2, whereby their squared or straight edges conjointly form a substantially triangular recess 5, in which is seated a vertical protecting element or rod 6, the upper end of which extends upwardly through an opening 7 in the top plate 3 and is threaded for the reception of a head-piece or knob 8, which assists in holding the plate 4 in place. The rod, which is preferably of circular form, as seen in Fig. 2, is secured in place between its ends by clamping devices arranged at appropriately-spaced intervals and each comprising an outer substantially L-shaped clamping member or piece 9 and an inner triangular clamping piece or block 10, adapted to fit in the corner at the inner faces of the plates and connected with the member 9 by means of a clamping-screw 11, extended transversely through the rod 6 and engaged at its outer end with the member 9, which at its elbow seats in a recess 12, suitably formed in the rod 6.

The plates 2 and 3 are secured at their lower edges on the base 1 by means of retaining strips or moldings 13, joined at their ends by coupling members or pieces 14, having right-angularly-disposed portions 15, which overlie the faces of the strips at their ends and are attached to the strips by fastening members or screws 16, the coupling-pieces being secured to the base 1 by vertical fastening members or screws 17 and having at the juncture of the inner edges of the portions 15 recesses 18, formed to fit the rod 6, it being noted in this connection that the coupling-pieces serve not only to connect the moldings 13, but also to retain the lower ends of the rod 6 properly seated in the recesses 5.

The plate 4 is retained in seated position by means of retaining members or clips 19, folded, as at 20, around the edge of plate 4, to which they are secured by fastening members or screws 21, the clips being each provided with a pair of relatively spaced depending portions or flanges 22, adapted to seat downward over the upper edge of and to engage, respectively, at the inner and outer faces of the plates 2 and 3, as seen more clearly in Fig. 4.

In Fig. 5 there is illustrated a slightly-modified form of protecting-rod 6′, having flattened faces 23, which lie against the adjacent edges of the plates 2 and 3, the parts of the device being in other respects identical with that above described.

In assembling the plates to form the show-case the edges of the plates are brought together, as before explained, to present recesses in which the elements 6 are seated, these elements being joined to the plates not

only by the clamping devices, but also by means of cement of a suitable character, with which the edges of the glass are coated prior to introducing the rods. It may be mentioned in this connection that the rods serve not only to render the joints between the plates neat and attractive, but also to protect the edges of the glass from being chipped or otherwise damaged, it being noted that under this construction the expensive method of beveling the meeting edges of the glass is obviated, thus not only reducing the cost of erecting the show-cases, but also rendering the glass easier to handle, whereby the danger of the glass becoming broken is obviated, with a consequent reduction in the cost of insurance.

Having thus described my invention, what I claim is—

1. In a device of the class described, a side and an end plate having their edges disposed adjacent each other to form a recess, a top plate seated on the upper edges of the first-named plate, a protecting-rod arranged in the recess between the edges of the side and end plates and extended upward through the top plate, a cap-piece threaded onto the upper end of the rod, and means for securing the rod in the recess.

2. In a device of the class described, a side and an end plate having their meeting edges disposed to form a recess, a top plate seated on the upper edges of the first-named plate, a protecting-rod arranged in the recess between the edges of the side and end plates and extended upward through the top plate, a cap-piece threaded onto the upper end of the rod, an outer substantially L-shaped clamping member extended across the rod between its ends, an inner clamping-block arrranged in the angle between the plates, and a clamping-screw extended wholly through the rod and connecting the block and outer clamping member.

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

NOAH FELLS.

Witnesses:

JOHN L. FLETCHER,

F. S. ELMORE.