

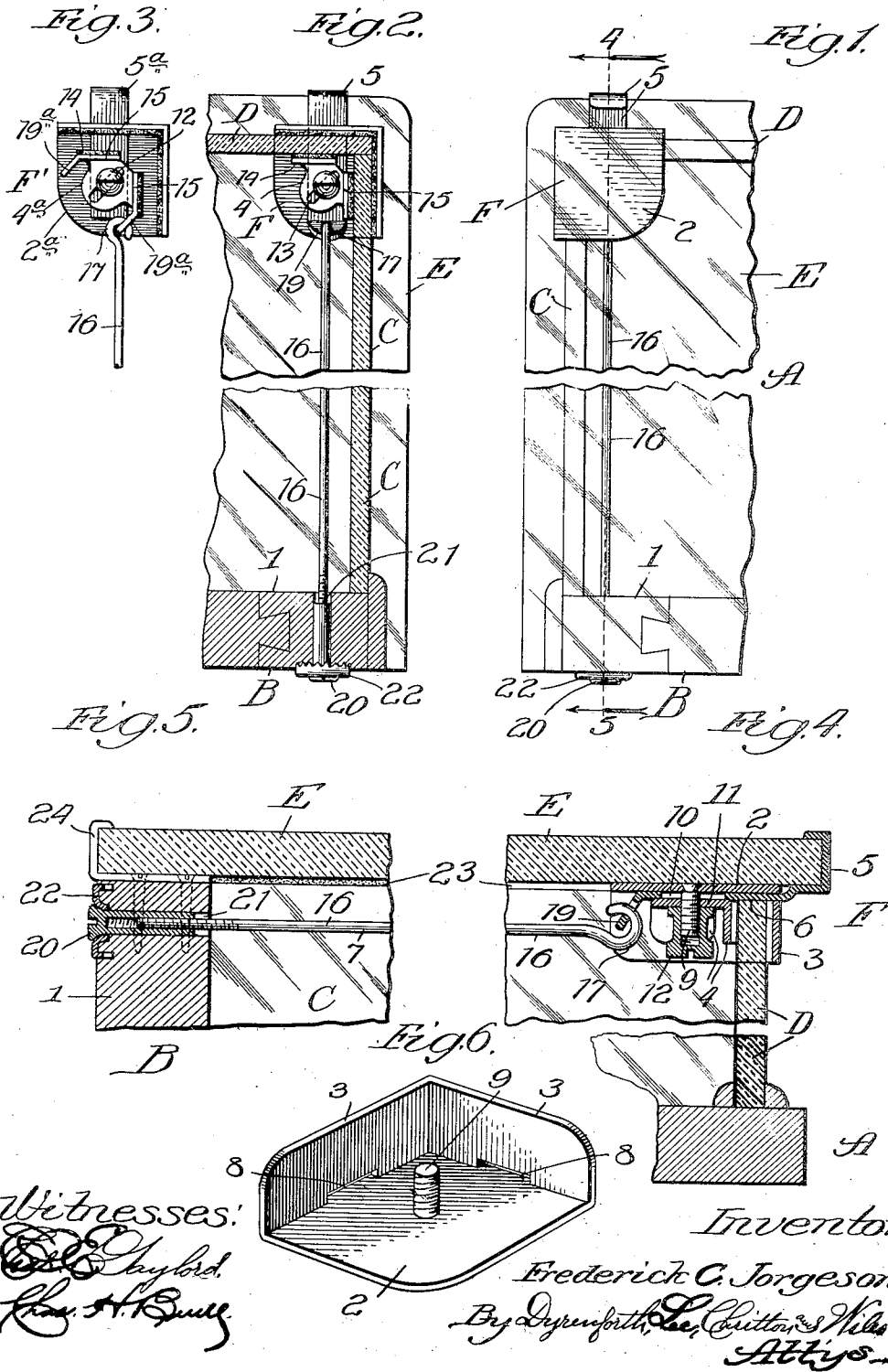
BEST AVAILABLE COPY

F. C. JORGESON.
SHOW CASE.

APPLICATION FILED FEB. 17, 1912.

1,042,118.

Patented Oct. 22, 1912.



Witnesses:
Edw. J. Lloyd
Chas. H. Bunn

Inventor:
Frederick C. Jorgeson,
By *Dyrenforth, Le, Chittor & Mills*
Attys.

UNITED STATES PATENT OFFICE.

FREDERICK C. JORGESON, OF CHICAGO, ILLINOIS.

SHOW-CASE.

1,042,118.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed February 17, 1912. Serial No. 878,400.

To all whom it may concern:

Be it known that I, FREDERICK C. JORGESON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Show-Cases, of which the following is a specification.

My invention relates to that type of show-case wherein plate glass is employed to form the front, ends and top of the show-case, and my primary object is to provide improved means for joining the glass plates at the front corners of the show-case, obviating the necessity of drilling holes in the glass plates.

The invention is illustrated in its preferred embodiment in the accompanying drawing, in which—

Figure 1 is a broken plan view of a show-case constructed in accordance with my invention; Fig. 2, a broken horizontal sectional view, looking upwardly toward the lower surface of the glass top plate; Fig. 3, a bottom view of a modification of my improved corner fixture; Fig. 4, an enlarged broken section taken as indicated at line 4 of Fig. 1; Fig. 5, an enlarged broken view taken as indicated at line 5 of Fig. 1; and Fig. 6, a bottom perspective view of a corner plate employed.

In the preferred construction illustrated in Figs. 1, 2 and 4 to 6 inclusive, the improved show-case comprises a base A; a back B; glass end-plates C (one shown); a glass front plate D; a glass top plate E; and front corner fasteners F (one shown).

The back B of the show-case is usually provided with one or more sliding doors (not shown). At the rear corners of the show-case are usually employed wooden up-rights 1, forming a portion of the back of the show-case.

Each fastening device F (one being employed at each upper front corner of the show-case) comprises a corner plate 2 interposed between the top plate E and the adjacent upper edges of the end plate C and front plate D, said plate 2 having down-turned exterior flanges 3 adapted to embrace the outer surfaces of the end and front plates; an angular inner clamping member 4 adjustably connected with the lower side of the plate 2; and a hook-form top-plate clamp 5 whose hooked outer extremity engages the front edge of the top plate, said clamp 5 having a shank 6 which extends

through a perforation in the flange 3 and is adjustably connected with the plate 2, preferably by the same means which connects the inner clamping member 4 to said plate. A connecting device 7 anchors the corner-fastener F to the back of the show-case.

The corner-fastener F is preferably interchangeable, that is to say, it is capable of use at either upper front corner of the show-case. Thus, each down-turned flange 3 of the corner-plate 2 is provided with a slot or opening 8, whose upper wall is flush with the lower surface of the plate 2; and depending from the center of the plate 2 is a threaded stud or bolt 9 which is equidistant from the flanges 3. The shank 6 of the top-plate clamp 5 is provided with a slot 10 adapted to engage the stud 9. It will be noted that the shank 6 is disposed in contact with the lower surface of the plate 2; and the angular inner clamping member 4 is provided with a portion or shank 11 which is interposed between the shank 6 and a nut 12 applied to the threaded stud 9. The shank-portion 11 of the clamp 4 is provided with an oblique slot 13, permitting adjustment of the clamp along a line which makes angles of 45° with the front plate and end plate of the show-case. The clamp 4 has a depending flange or lug 14 parallel with the front plate D and a similar lug 15 parallel with the end plate C. It is obvious that the front and end plates may be clamped between the flanges 3 of the corner plate 2 and the lugs 14 and 15 by adjustment of the clamp 4 toward the corner of the show-case.

The preferred construction of the means 7 for anchoring the corner connection F to the back of the show-case is a rod 16 having a threaded rear end and provided at its front end with a hook 17 which engages a down-turned perforate ear or lug 19 with which the inner extremity of the shank 6 of the top-plate clamp 5 is provided; and a tubular nut or hollow screw 20 which extends through a perforation 21 in the corner member 1 which forms a part of the back of the show-case, said hollow member 20 receiving the threaded rear extremity of the rod 16. The head portion of the member 20 engages a washer 22, as shown in Fig. 5. This form of anchoring device enables tension to be applied to the top-plate clamp 5; and this may be done before the nut 12 is tightened.

It is preferred to employ strips of felt 23 interposed between the top plate and the upper edges of the front and end plates of the show-case, the strips 23 corresponding in thickness to the metal interposed between the vertical glass plates and the top plate at the front corners of the show-case.

When the fastener F is employed at the front corner of the show-case which is shown in Fig. 1, the shank 6 of the top-plate clamp passes through one of the slots 8; and when the fastener is employed at the other front corner of the show-case, said shank 6 passes through the other slot 8. Obviously, therefore, the corner fastener is an interchangeable device, capable of being used at either of the upper front corners of the show-case. According to this invention, it is possible to stanchly construct a show-case of this character without drilling holes in the glass top-plate. Moreover, the improved corner fastener can be manufactured at very small cost, and can be readily applied.

In Fig. 3, F¹ represents a modified form of corner fastener. In this construction, 2^a represents the corner plate; 4^a represents the inner angular clamp; and 5^a represents the top-plate clamp. The only difference between this construction and the first described construction is that the ear 19 at the inner end of the shank 6 of the top plate is dispensed with, and perforate ears 19^a are carried by the lugs 14 and 15 of the inner clamping member 4^a. In this case, the corner member is anchored to the back of the show-case by engaging the hook 17 of the rod 16 with one of the perforate ears 19^a. The rear edge of the top plate E is secured, by clips 24, to the back of the show-case.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation should be understood therefrom, but the appended claims should be construed as broadly as permissible in view of the prior art.

What I regard as new and desire to secure by Letters Patent, is:

1. In a show-case, the combination with a base and back, of top, side and end plates, a corner fastening comprising a corner-plate interposed between the top-plate and adjacent edges of the side and end plates and provided with down-turned exterior flanges, an inner angular clamp secured to said corner-plate, a top-plate clamp engaging the front edge of the top-plate and having a shank extending through a perforation in a flange of said corner-plate, and means disposed beneath the top-plate and at the inner side of the end plate and anchoring said corner-fastening to the back of the case.

2. In a show-case, the combination with a base and back, of top, side and end plates, and a corner fastening comprising a corner-plate interposed between the top-plate and adjacent edges of the side and end plates and provided with down-turned exterior flanges and equipped centrally with a depending threaded stud, an inner angular clamp having a shank provided with a slot engaging said stud, a top-plate clamp having a shank provided with a slot engaging said stud, and a nut on said stud beneath said shanks.

3. A corner fastening for a show-case, comprising a corner-plate having down-turned flanges at two of its edges forming an angle, a threaded stud depending from said plate, an inner angular clamp provided with a slot engaging said stud, and a nut on said stud adapted to clamp said shank to said plate.

4. A corner fastening for a show-case comprising a corner-plate having depending flanges at two of its edges forming an angle, said flanges having slots through their upper portions, a top-plate clamp having a shank extending through one of said slots, said shank having a slot engaging said stud, an angular inner clamp having a shank provided with a slot engaging said stud, and a nut serving to clamp said shanks to said plate.

5. In means of the character set forth, the combination of a corner-plate provided with down-turned flanges forming an angle, a top-plate clamp having a shank extending through a perforation in one of said flanges, an inner angular clamp, means for securing said inner clamp to said corner-plate, and means for anchoring said corner-fastening to the back of a show-case.

6. In a show-case, the combination with a base and back, of top, side and end plates, a corner-fastening comprising a corner-plate interposed between the top-plate and adjacent edges of the side and end plates and provided with down-turned exterior flanges, an inner angular clamp provided with a slotted shank, a top-plate clamp provided with a slotted shank, which extends through a perforation in a flange of said corner-plate, screw connection depending from said corner-plate and engaging said slotted shanks, the shank of said top-plate clamp having a perforate ear, and anchoring means including a rod having a hooked extremity engaging said perforate ear.

FREDERICK C. JORGESON.

Witnesses:

JOHN WILSON,
R. A. SCHAEFER.