W. H. SHINNAMON.

SHOW CASE.

APPLICATION FILED OCT. 3, 1908.

920,193. Patented May 4, 1909.

Fig. 1.

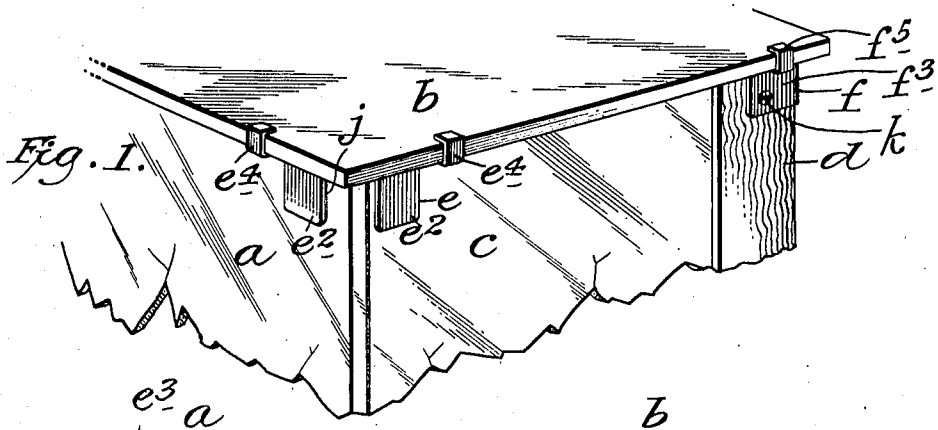


Fig. 2.

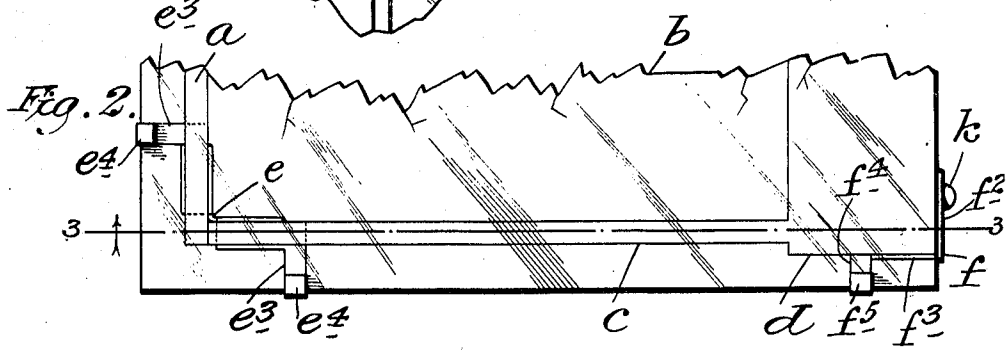


Fig. 3.

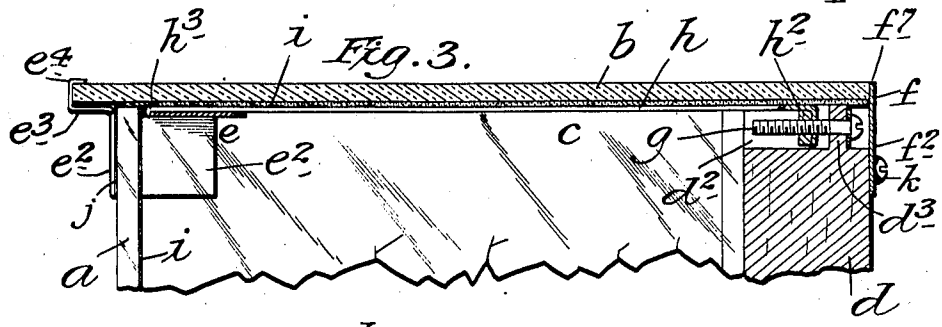


Fig. 4.

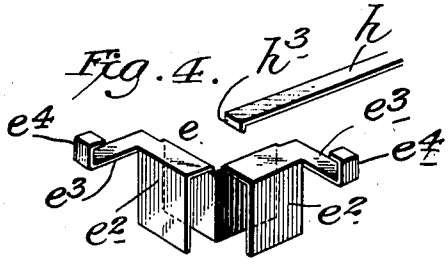
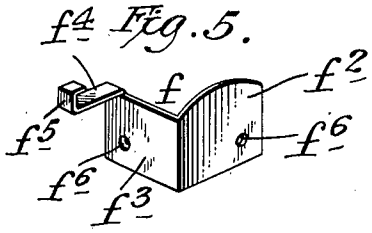


Fig. 5.



WITNESSES

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SHOW-CASE.

No. 920,193. Specification of Letters Patent. Patented May 4, 1909.

Application filed October 3, 1908. Serial No. 456,029.

To all whom it may concern:

Be it known that I, WILLIAM H. SHINNAMON, a citizen of the United States, and residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Show-Cases, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to show cases and particularly to devices of this class made of glass, and still more particularly to devices for connecting the top, front and side or end plates of show cases of this class and for securely binding the said top, front and side or end plates together at the top of the case.

My invention also more particularly relates to show cases, the top, front and side or end plates of which are made of glass, and in which the top plate is of greater dimensions horizontally than the body portion of the show case whereby the said top plate projects at the front and sides or ends of the case so as to form a projecting flange entirely around said front and sides or ends; and the object of the invention is to provide improved means for securing the top, front and side or end plates of a show case of the class specified together and to the back frame of the case.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a perspective view of the top portion of a show case made according to my invention, but showing a part of the front and a part of one side or end only, Fig. 2 a plan view of that part of the show case shown in Fig. 1, Fig. 3 a partial section on the line 3—3 of Fig. 2, Fig. 4 a perspective view of a clip which I employ for binding the parts of the show case together at one of the top front corners thereof, and showing also a part of a binder strip used in connection with said clip and serving to bind the same in connection with the opposite rear top corner of the case, and;—Fig. 5 a perspective view of a clip which I employ at the rear top corners of the case.

In the drawing forming part of this specification, I have shown the top portion of a show case comprising a front plate *a*, a top plate *b* and a side or end plate *c*, all of which are made of glass, and I have also shown at *d* one of the corner members of the frame. The base or bottom of the case with which the front and side or end plates together with the corners posts *d* are connected is not shown for the reason that it forms no part of this invention, but it will be understood that said base or bottom may be made in the usual or in any desired manner, and is provided in the usual manner with grooves in which the front and side or end plates fit, and it will also be understood that the back of the case of which the corner posts *d*, but one of which is shown, constitute a part, may be of the usual form and is provided with a back door in the usual manner.

This invention relates particularly to the method of connecting the front plate *a*, top plate *b* and the side or end plates *c* and also for connecting the top plate with the corner posts *d* and for binding the front plate and side or end plates to said corner posts, and in the form of construction shown, the top plate *b* projects beyond the front, and side or end plates and forms a projecting flange around the top of the show case.

In connecting the top plate *b*, the front plate *a* and the side or end plates *c* at the front top corners of the case, I provide clips *e*, but one of which is shown in Figs. 1, 2 and 3 and one of which is shown in perspective in Fig. 4, and these clips consist of two yoke-shaped members e^2 which open downwardly and are connected at right angles to each other, each of the said members being provided at its outer top corner with an outwardly directed arm e^3 having a U-shaped hook e^4 at its outer end. I also provide at each of the back top corners of the case an L-shaped clip *f* one of which is shown in Figs. 1, 2 and 3, and in perspective in Fig. 5, and the clips *f* consist of a back plate f^2 and a side plate f^3, and the side plate f^3 is provided at its outer top corner with an outwardly directed arm f^4 provided at its end with a U-shaped hook f^5.

The rear corner posts d of the frame, but one of which is shown, are provided in the tops thereof with forwardly and backwardly ranging recesses or chambers d^2 having transverse members, posts or bearings d^3 through each of which is passed a screw g, and placed over each of the side or end plates c of the show case is a binding strip h provided at its rear end with a nut h^2 through which the screw g passes, and the strip h is provided at its front end with a downwardly directed hook h^3 adapted to engage the top of the corresponding member e^2 of the corresponding front corner clip e as clearly shown in Fig. 3.

In practice the usual felt strips i are placed between the top plate b and front plate a and side or end plates c, and also between the front plate a and side or end plates c as clearly shown in Fig. 3, and in practice a thin layer of cement as shown at j is placed between the front plate a and the side portions of the front part e^2 of the clips e between which said front plate is passed, the object of this being to prevent the corner clips e from moving longitudinally or horizontally on the front plate a.

As shown in Fig. 3, the binding strips h but one of which is shown are placed horizontally over the side or end plates c, and the front end portions of said strips rest on the top of the corresponding parts e^2 of the front corner clips e and engage the same as shown at h^3 in Fig. 3, and by turning the screws g to the right the binding strips h are pulled backwardly and the front plate a is securely bound to the side or end plates c, and by means of the hook members e^4 of the arms e^3 the top plate b is securely held in position at the front corners of the case and the said top plate and front plate a and side or end plates c are securely bound together at the front top corners of the case, and to the back corner parts of the frame. The clips e at the rear top corners of the case are secured to the corner posts d by screws k or in any desired manner, and the parts f and f^3 of said clips are provided with holes f^6 through which said screws are passed, and the back plates f^2 of the clips f are higher than the side plates f^3 thereof and abut against the back edge of the top plate b of the case as clearly shown at f^7 in Fig. 3, while the side plates f^3 of the clips f are underneath the top plate b of the case as clearly indicated in Figs. 1 and 2, and by means of the screws g and binding strips h the top plate b of the case is securely bound between the front corner clips e and the back corner clips f, and the front plate a is securely bound to the side or end plates c and said end and side plates are securely bound to the top plate b.

It will be observed that the screws g and the rear end portions of the binding strips h are entirely concealed in the completed case, the back plates f^2 of the clips f closing the recesses d^2 and covering the ends of the screws g.

By means of my improved clips e and f, and by the use of the binding strips h I avoid the necessity of cutting the top plate b, the front plate a and the side or end plates c of the case, and with my improvement the separate parts of a show case of the class described may be easily and quickly secured together without injury to any of the parts thereof and as easily and quickly taken apart whenever desired.

It will be observed that the lengths of the arms e^3 on the clips e and the lengths of the arms f^4 on the clips f will depend upon the extent to which the top plate b of the case projects beyond the front plate a and the side or end plates c, and while I have described my improvement as particularly applicable to show cases of the class described, in which the top plate projects beyond the front and side or end plates, it will be apparent that the extent of this projection is immaterial, and the length of the arms e^3 and f^4 is therefore also immaterial, and if desired the hook members e^4 of the arms e^3 and f^5 of the arms f^4 may be formed directly on the corresponding parts of the clips e and f and the top plate b need not necessarily project beyond the front plate a and side or end plates c of the case.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is;—

The herein described means for connecting the top, front and side or end plates of a glass show case and for connecting said parts with the back corner posts of a frame, the top plate projecting beyond the front and side or end plates, comprising top front corner slips composed of separate yoke-shaped members which open downwardly and are connected at right angles to each other, said members being provided at their outer corners with outwardly directed arms having hooks adapted to engage the front and side or end edges of the top plate, top rear corner clips which are L-shaped in form and composed of back and side plate members, the back plate members being higher than the side plate members, and the side plate members being provided at their inner ends with outwardly directed arms having hooks adapted to engage the side or end edges of the top plate, and means for binding the top front corner slips to the tops of the rear corner posts of the frame comprising metal strips placed over the side or end plates and the front ends of which engage the tops of the front corner clips at the sides or ends of the case, and the rear ends

of which are secured in the rear corner posts of the frame by screws, the turning of which in one direction will bind the front corner clips to the rear corner posts of the frame, and in the opposite direction will loosen said strips and allow of the separation of the front corner clips from the rear corner posts and the disconnection of said parts.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 1st day of October 1908.

WILLIAM H. SHINNAMON.

Witnesses:

A. R. APPLEMAN,

C. E. MULREANY.