E. McCLURE.

STORE FIXTURE.

APPLICATION FILED AUG. 24, 1910.

995,410. Patented June 13, 1911.

2 SHEETS—SHEET 1.

Fig. 1.

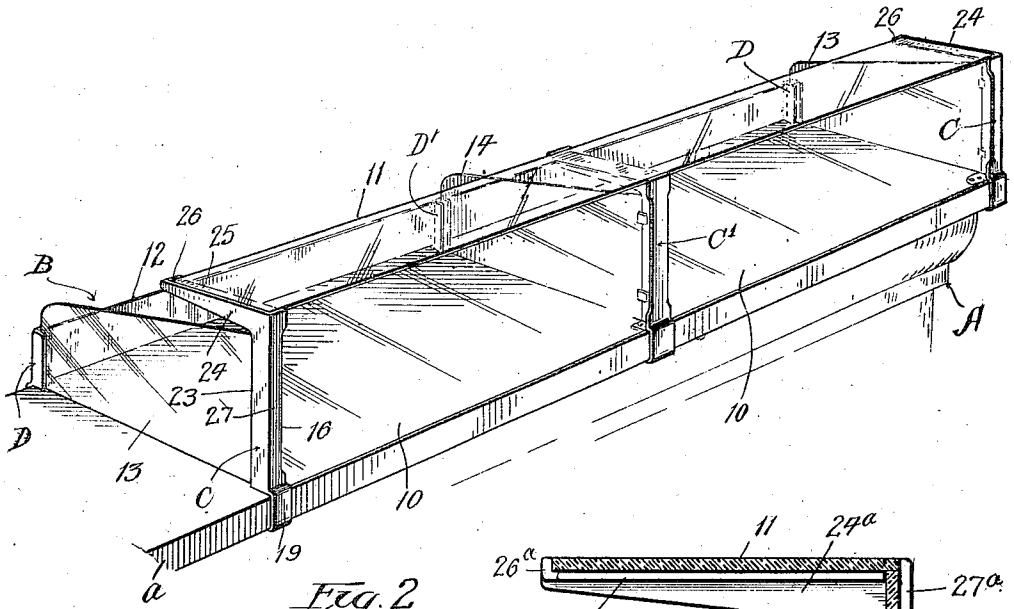
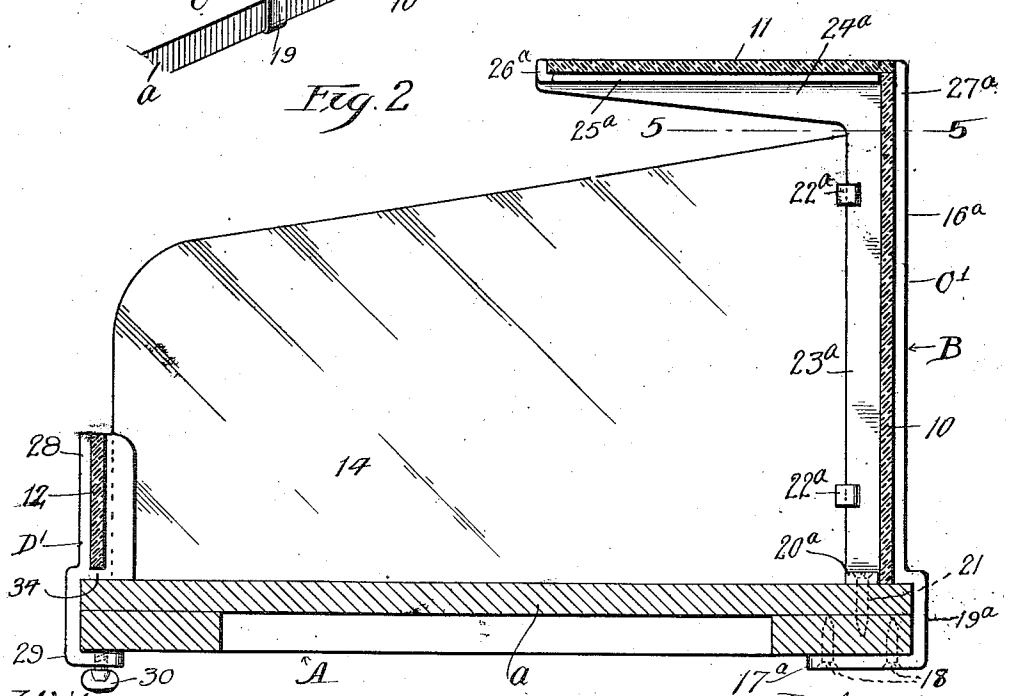


Fig. 2



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2 SHEETS—SHEET 2.

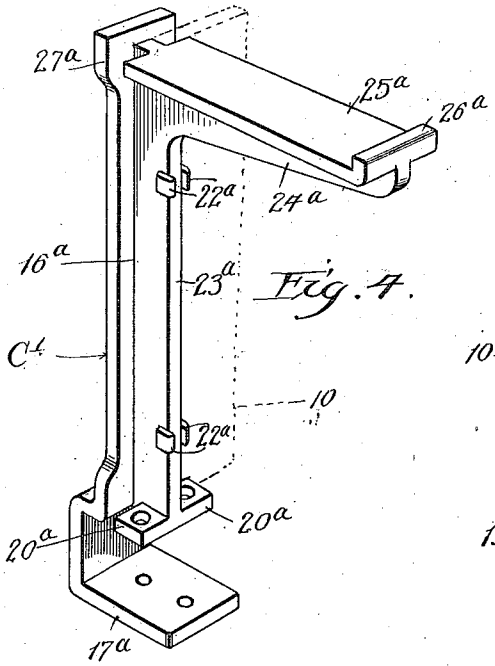

Fig. 4.

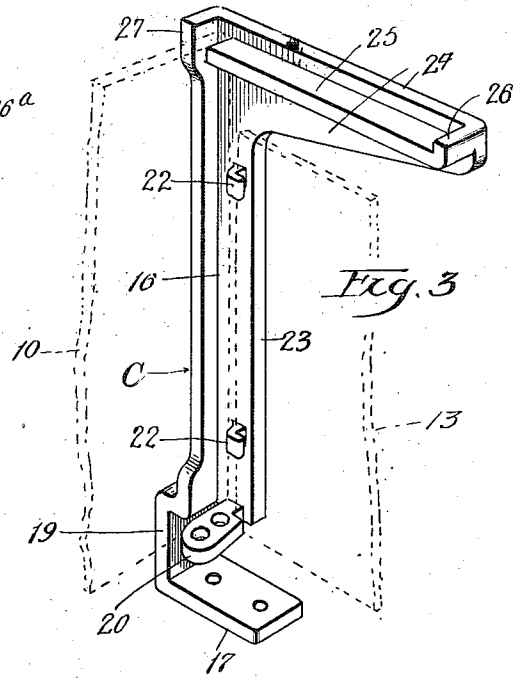

Fig. 3.

Fig. 5.

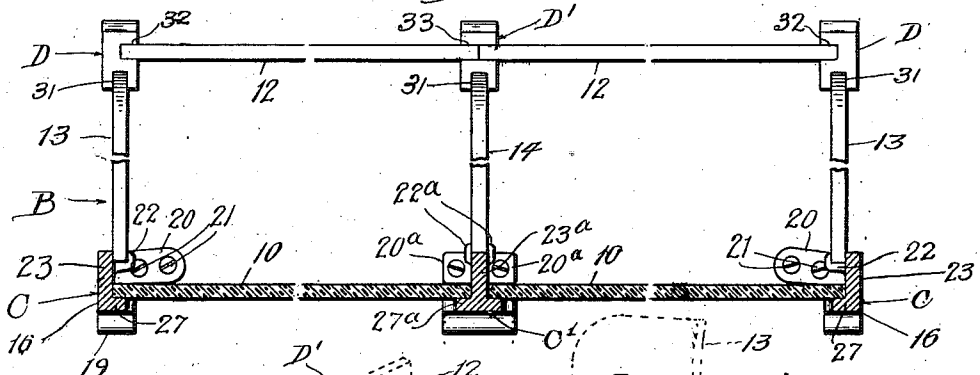

Fig. 7.

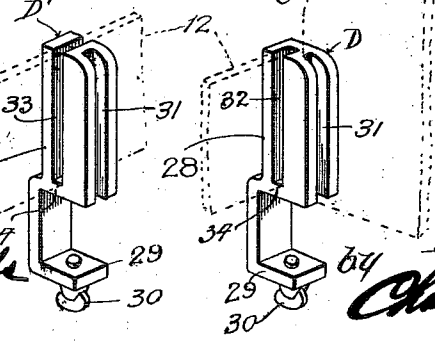

Fig. 6.

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UNITED STATES PATENT OFFICE.

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STORE-FIXTURE.

995,410. Specification of Letters Patent. Patented June 13, 1911.

Application filed August 24, 1910. Serial No. 578,788.

To all whom it may concern:

Be it known that I, EDWARD McCLURE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Store-Fixtures, of which the following is a specification.

This invention relates to store fixtures and more particularly to that class of store fixtures known as show cases, wherein plates or sheets of glass are used for the body portion of the show case, the glass plates or sheets being connected and held together by suitable fastening devices. Heretofore in constructing show cases of this type it has been customary to drill holes in the glass members of the case and to secure the glass members together by brackets and bolts or screws that pass through said holes in the glass members, and through holes in the brackets.

One of the objects of this invention is to dispense with holes in the glass and still to connect the several members of a glass show case in a perfectly rigid and substantial manner.

Another object is to simplify, cheapen and otherwise improve upon show cases of this type and to this end the invention consists in certain novel means of construction and arrangement, a description of which will be found in the following specification, and the essential features of which will be more definitely pointed out in the claims.

The invention is clearly illustrated in the drawings furnished herewith, in which—

Figure 1 is a perspective view of a show case embodying my improvements and illustrating the same as mounted upon a counter, Fig. 2 is a vertical cross section of the device, Fig. 3 is a perspective view of a corner support used in the device, showing in dotted lines fragments of two of the glass members of the show case, Fig. 4 is a perspective view of an intermediate support and showing in dotted lines a fragment of one of the glass members of the show case, Fig. 5 is a horizontal section taken on the line 5—5 of Fig. 2, with the glass members partly broken away so as to condense the size of the view, Fig. 6 is a perspective view of a rear corner post and showing in dotted lines fragments of two of the glass show case members and Fig. 7 is a perspective view of an intermediate rear post showing in dotted lines fragments of two of the glass members of the show case.

In these views, a counter of ordinary form is seen at A, the same having the usual top *a*, which acts as a base upon which may be supported the show case B. In general said case comprises one or more glass fronts 10, a glass top 11, one or more rails 12, end pieces 13, and a partition or dividing member 14, said glass members being supported and secured in place as will be hereafter fully set forth. The glass front pieces are preferably of rectangular form and preferably made somewhat higher than the rails 12, and the glass top piece 11, is somewhat narrower than the counter so as to leave an opening between the rail and top through which the attendant may have access to the goods that are being displayed within the show case. Preferably the end pieces and partition are made narrower at the rail side than at the front side, but this is immaterial as they may be of rectangular form or any other suitable form.

The front, top and the front ends of the end pieces and partition are secured in position by corner supports C, and an intermediate support C′, preferably constructed of metal as shown. In the preferred form, each corner support is shown as comprising an inverted L shaped member, the upright post 16, of which is provided upon its lower end with a flange 17, arranged to extend underneath the top *a*, of the counter A, and to be detachably secured thereto as by screws or other fastening devices 18. The lower end of the post is offset as at 19, so that the base of the post may rest upon the top *a*, of the counter, and a lug 20, is provided upon the post 16, immediately above the top board, through which lug extends screws or other fastening devices 21, that cooperate with the screws 18, to detachably secure the support upon the top *a*. In cross section the post 16, is preferably L shaped or angle shaped, one of the flanges 23, being provided with one or more overhanging lugs 22, upon its inner side for holding in place an end piece 13, of the case. The end pieces rest upon the counter top *a*, and their front edges are held between the inner faces of the flange 23, and the overhanging por-

tions of the lugs 22. A horizontal arm 24, projects rearwardly from the post, preferably in the plane of the flange 23, and contains an inwardly extending ledge 25, adapted to receive and support one end of the top 11, of the show case, the rear end of said ledge 25, having an upwardly extending flange 26, against which the rear edge of the top 11, abuts. The width of the top piece 11, is equal to the distance between the flange 27, of the post 16, and the flange 26, on the arm 24, and said top is confined between the two. It is obvious that when the glass is placed in position upon the ledge 25, it can not move endwise nor crosswise, being held in place by the flanges 27, 26, and arms 24. The ledge 25, stops short of the flange 27, so as to leave a space therebetween, approximately equal to the thickness of the glass fronts 10, and the lug 20, is also spaced away from said flange 27, the same distance, whereby the glass fronts may be securely held in place between said flange 27, and ledge 25, and lug 20. The glass fronts are put in position by allowing them to slide down between the flanges 27, and ledges 25, until they rest upon the top *a*, after which the glass top is laid upon the ledges 25, thereby preventing the glass fronts from being raised until the glass top is first removed.

In general, the intermediate support C′, is constructed similar to the corner supports, except that it is somewhat wider and the flange 23^a, and arm 24^a, extend along its median line, the ledge 25^a, and flange 26^a, preferably being made correspondingly wider to receive and support the middle of the glass top, which preferably extends from end to end of the show case, although it is to be understood that said glass top may be made in two pieces with their adjacent edges resting upon the ledge 25^a. The vertical flange 23^a, is provided on both sides with rearwardly projecting lugs 22^a, between which is held the glass partition 14, the forward edge of said glass partition abutting against the rear edge of the flange 23^a, as seen in Fig. 5. The lower end of the flange 23^a, is provided with a pair of lugs 20^a, which may be screwed to the top *a*, and as in the corner supports, spaces, equal to the width of the glass, are left between the flange 27^a, and the forward ends of the ledge 25^a and lugs 20^a, so that the glass fronts may be held in place therebetween. The upper end of the flange 27^a, projects above the ledge 25^a, a distance equal to the thickness of the glass top and acts as an abutment for the forward edge thereof, and the flange 26^a, acts as an abutment for the rear edge of the top.

The rear posts D, D′, have uprights 28, that rest upon the top *a*, and are provided with clamping jaws 29, that extend underneath the top board *a*, said clamping jaws being provided with thumb screws 30, by means of which the rear posts may be detachably clamped upon the rear edge of the top board. The front edges of the upright posts are formed with vertical grooves 31, adapted to receive and hold in place the rear edges of the ends and partition, and the rear corner posts D are formed in their opposing faces with vertical grooves 32, in which the outer ends of the rails are secured, the intermediate post D′, being formed with a transverse slit 33, for receiving the inner or adjacent ends of the rails 12, which meet at this point. A ledge 34, connects the front and back portions of the rear posts and the rails rest upon said ledges, thereby leaving a slight gap between their lower edges and the counter top *a*, through which an attendant may brush out small particles from the show case.

In erecting a show case made in accordance with my improvements, the glass pieces are cut to proper size, and the corner supports C, and intermediate support C′, screwed in place upon the top *a*. The glass fronts 10, are then slid down into place in the ways between the flanges 27, 27^a, and the ledges 25, 25^a, and lugs 20, 20^a, after which the glass top 11, may be laid down upon the ledges 25, 25^a. The glass ends 13, and partition 14, are then set into place in the corner and intermediate supports C, C′, after which the rear posts D, D′, are slipped upon the rear edges of said ends 13, and partition 14, and clamped in place upon the top *a*, by the thumb screws 30. The rails 12, may now be slipped into the grooves 32, of the rear corner posts and slit 33, of the rear intermediate post to complete the show case.

It is evident that as many intermediate supports may be used as may be desired and that any length of show case can be built up in this manner. If desired a second show case may be placed adjacent to the first one, the two adjacent corner supports assuming the appearance of an intermediate one, thereby maintaining a symmetrical appearance throughout the entire show case.

From the above it is quite evident that a very simple and substantial show case can be built up without the use of screws or bolts for fastening the glass pieces in place, thus affording a great saving of time and expense as well as avoiding the danger of cracking the glass when drilling the same for the screw holes. Furthermore, the supports may be adapted for almost any sort of counter or base and by cutting the pieces of glass to proper lengths, the show case can be built up to fit almost any given counter. The show case can be secured to the counter without marring or defacing it, so that when removed, no unsightly marks remain to disfigure the face thereof.

While I have shown and described the body portion of the show case as being made of glass, it is perfectly obvious that it may be made of other transparent material.

More or less variation is possible in the details of construction, without departing from the spirit of this invention, and I do not therefore desire to limit myself except as may be necessary in view of the state of the prior art.

I claim as new and desire to secure by Letters Patent:

1. As a new article of manufacture, a support of the class described, comprising a single piece consisting of a post having means at its lower end whereby it may be detachably secured upon a counter top and terminating at its upper end in a horizontally extending arm having a horizontal ledge located slightly below the upper end of the post and being formed at its free end with an upwardly extending flange, said ledge being adapted to support a horizontal glass plate and the upper end of the post and the flange being adapted to position the glass plate upon the ledge, said post being formed at its lower end with a notch opening laterally of the post and said ledge being formed with a notch in vertical alinement with the first named notch, said notches being adapted to receive the lower and upper corners of a vertical, longitudinally extending glass plate and said post being formed upon its side under the arm with upper and lower lugs spaced apart to receive and hold the end of a transverse glass plate which is arranged to extend underneath said arm.

2. As a new article of manufacture, a support of the class described, comprising a single piece consisting of a post having means at its lower end whereby it may be detachably secured upon a counter top and terminating at its upper end in a horizontally extending arm having a horizontal ledge located slightly below the upper end of the post and formed with a marginal flange on one of its sides and its free end, said ledge being adapted to receive and support the end of a horizontal glass plate, the upper end of the post and marginal flange being arranged to position the glass plate upon the ledge, said ledge having a notch adjacent to the post and said post having a notch at its lower end in vertical alinement with the first named notch, said notches being adapted to receive the upper and lower corners of a vertical, longitudinally extending glass plate and said post being formed with upper and lower lugs on its side underneath the arm, arranged to hold in position a transverse glass plate.

In witness whereof I have hereunto subscribed my name at Chicago, Cook county, Illinois, this 17th day of August, A. D. 1910.

EDWARD McCLURE.

Witnesses:
ROBERT R. BARNITT,
K. H. THORP.