S. A. HATHORNE.

COUNTER BRACKET.

APPLICATION FILED MAR. 20, 1915.

1,155,149.

Patented Sept. 28, 1915.

2 SHEETS—SHEET 1.

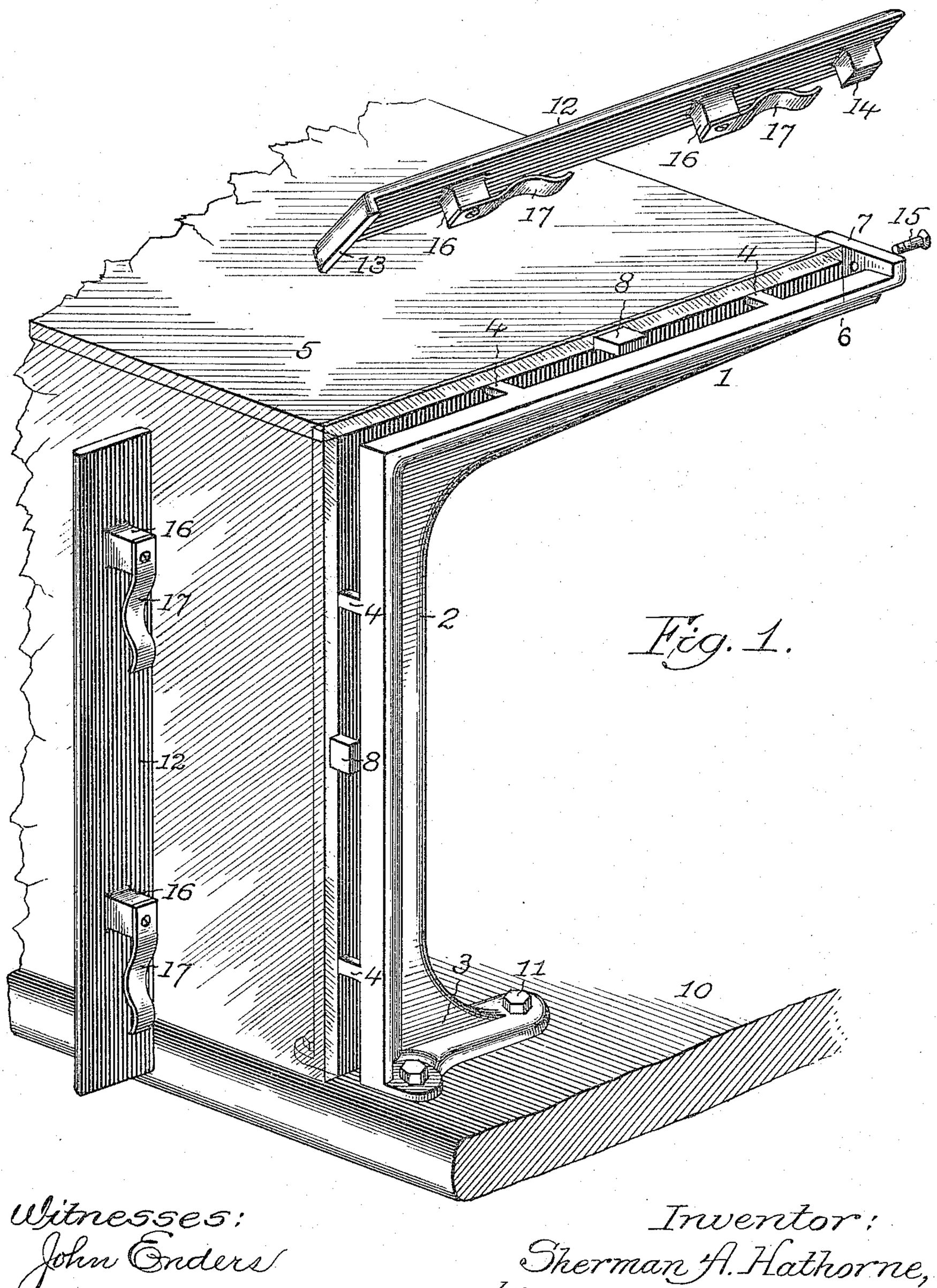

Fig. 1.

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2 SHEETS—SHEET 2.

Fig. 2.

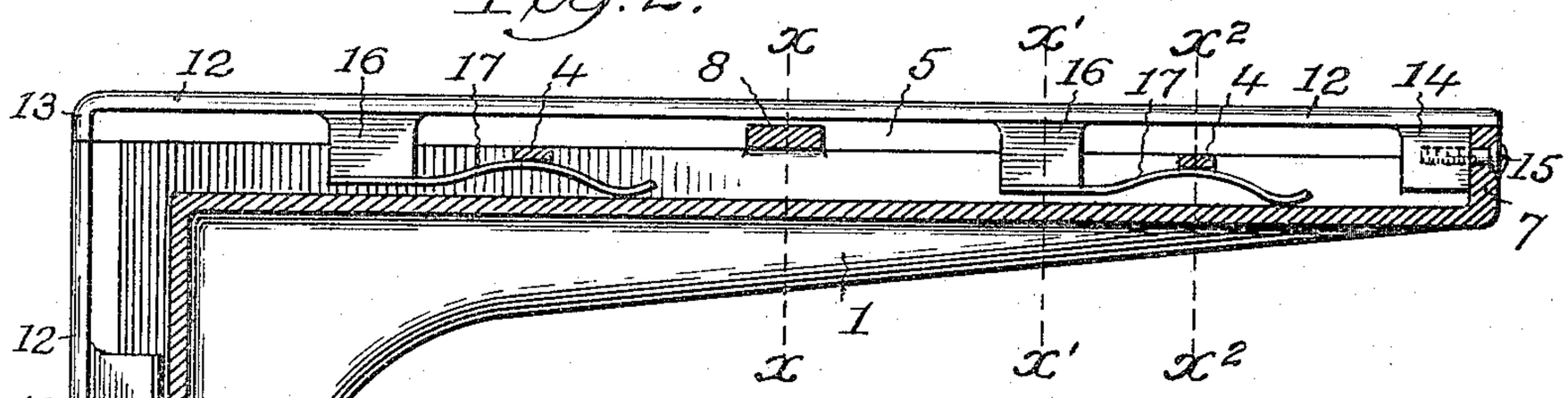


Fig. 3.

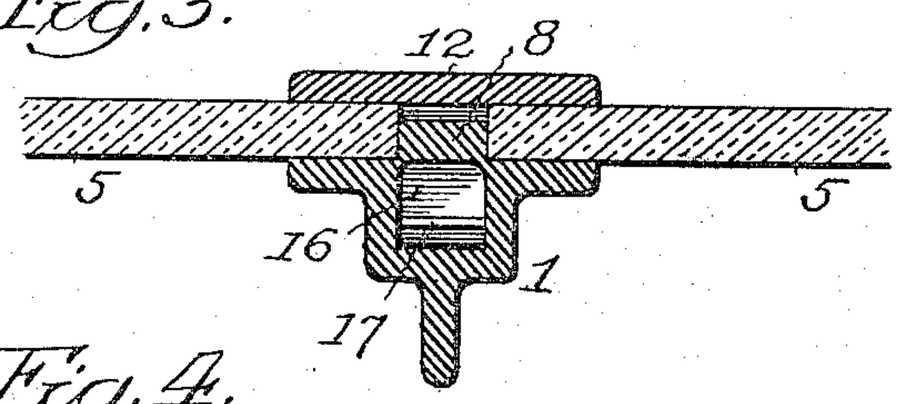


Fig. 4.

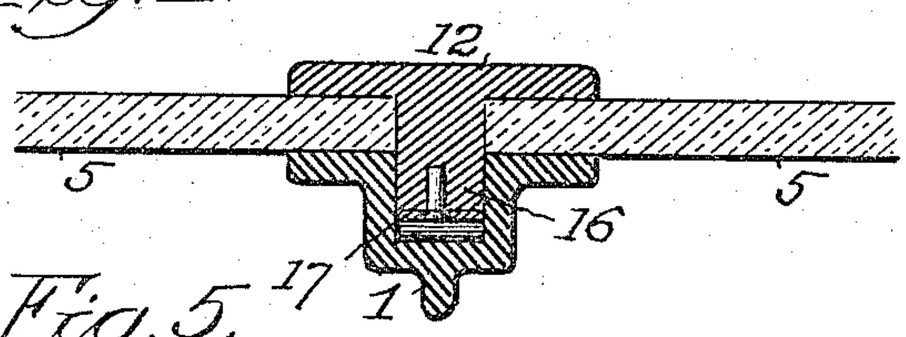


Fig. 5.

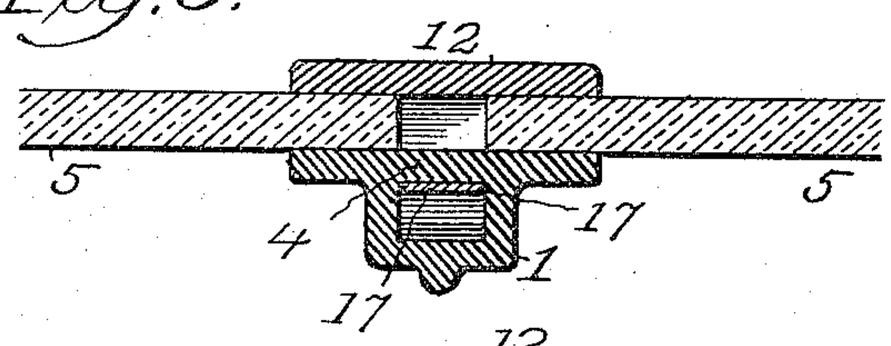


Fig. 6.

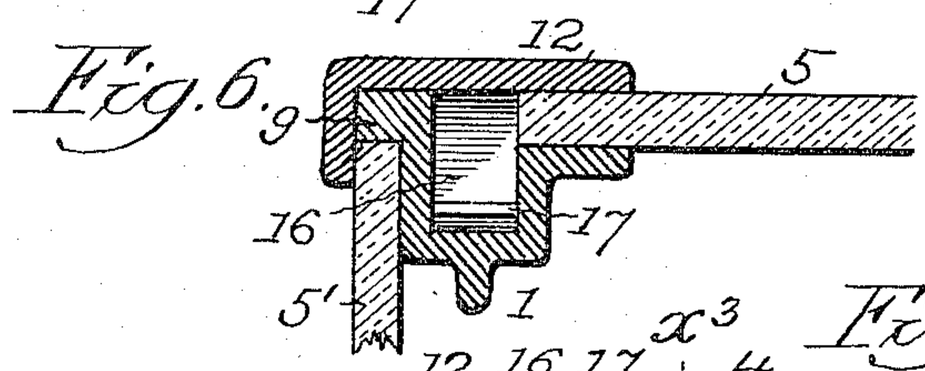
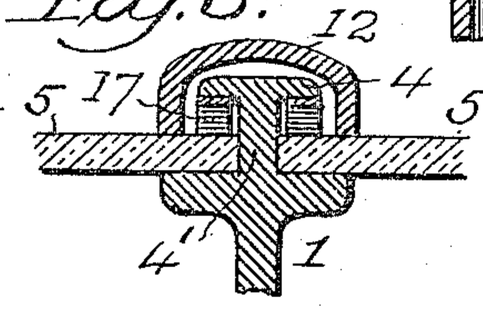


Fig. 7.

Fig. 8.



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UNITED STATES PATENT OFFICE.

SHERMAN A. HATHORNE, OF WAUKEGAN, ILLINOIS, ASSIGNOR TO CHICAGO HARDWARE FOUNDRY COMPANY, OF NORTH CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

COUNTER-BRACKET.

1,155,149. Specification of Letters Patent. Patented Sept. 28, 1915.

Application filed March 20, 1915. Serial No. 15,687.

To all whom it may concern:

Be it known that I, SHERMAN A. HATHORNE, a citizen of the United States of America, and a resident of Waukegan, in the county of Lake, State of Illinois, have invented certain new and useful Improvements in Counter-Brackets, of which the following is a specification.

This invention relates to that class of brackets employed to support glass plates in a structure designed as a guard and auxiliary top for store counters and the like. And the present improvement has for its object to provide a simple and efficient structural formation and association of parts, wherein the ends of the glass plates used in the proposed structure are secured in a substantial manner to the supporting brackets, with the meeting edges of said plates covered over and concealed to present a smooth and easily cleaned surface at the point of attachment of said plates, all as will hereinafter more fully appear and be more particularly pointed out in the claims.

In the accompanying drawings: Figure 1, is a detail perspective view, with parts in a detached condition, and illustrating the general formation of parts in the preferred form of the present invention. Fig. 2, is an elevation of the same in assembled relation and with the bracket member shown in section. Figs. 3, 4 and 5, are detail transverse sections on line x—x; x'—x', and x^2—x^2, respectively, Fig. 2. Fig. 6, is a detail transverse section illustrating a special construction of the bracket member used at an end of the show case or counter. Fig. 7 is a detail longitudinal section of a modification. Fig. 8, is a transverse section of the same, on line x^3—x^3 Fig. 7.

Similar reference numerals indicate like parts in the several views.

As represented in the drawings the glass plate supporting member or bracket of the present construction, comprises the usual approximately horizontal upper member 1; an intermediate vertical member 2, and a horizontal lower or base member 3. Said parts are formed usually of cast metal and in an integral manner, and are preferably of an approximately T shape in cross-section with a view to strength and lightness.

4 designates a plurality of transverse bearing webs or bars associated centrally with the surface of the aforesaid bracket upon which the glass plates 5 of a show-case or counter rest and are supported. In the preferred construction of the present invention shown in Figs. 1, 2 and 5, said bearing webs or bars 4 are disposed transversely and flush with the top of open recesses 6 formed centrally in the aforesaid resting or supporting surface of the bracket. In the modified construction of the present invention shown in Figs. 7 and 8, said transverse bearing webs or bars 4, are disposed a distance above the said resting or supporting surfaces of the bracket and are connected thereto by central stems or posts 4′, to provide transversely arranged T shaped projections or studs upon the aforesaid surfaces of the bracket. The construction in either case is adapted to means for bearing engagement with the resilient attaching fingers of the guard rail or strip, hereinafter described.

7 designates a vertical web at the rear end of the top member 1, of the bracket, forming a stop and an element of the fastening means of the guard rail or plate hereinafter described.

8 designates centrally disposed abutment projections or lugs on the aforesaid resting or supporting surfaces of the bracket, against which the adjacent ends of the glass plate 5 rest and are held in proper spaced relation. In the preferred form of the present invention shown in Figs. 1, 3 and 5, the projections or lugs 8 are individual parts of the bracket, while in the modified form of the invention shown in Fig. 8, their functions are performed by the central posts or stems 4′ which carry the transverse bearing webs or bars 4, aforesaid.

9 designates a riser-ledge formed on a side portion of each bearing or supporting surface of the bracket, and adapted for use upon the brackets intended for the respective ends of the proposed structure. Such formation is adapted to afford an even bearing contact for the adjacent portion of the hereinafter described guard rail or plate and a like bearing or support for the adjacent end of a vertical glass plate 5′ of the structure, as illustrated in Fig. 6.

The lower or base member 3 of the bracket

is preferably formed with a flat undersurface adapting it to rest upon the top surface of a store counter 10, or the like, and to which it is attached by screws 11, as illustrated in Figs. 1 and 2. Any other usual and suitable means of attachment may be employed without departing from the spirit of the present invention.

12 designates the guard rail or plate heretofore referred to, and which may be of the flat plate form shown in Figs. 1 to 6 inclusive, or of an inverted U form in cross-section as shown in Figs. 7 and 8.

13 designates a downturned flange at the front end of the rail or plate 12, adapted to fit over the front edges of a horizontal pair of glass plates 5, and cover over and conceal the space between the adjacent ends of said glass plates.

14 designates a downwardly projecting lug formed on the undersurface of the rail or plate 12, near its rear end, and having a screw-threaded orifice adapted to receive an attaching screw 15, passing through the above described vertical web 7 of the bracket, to secure the parts in a properly assembled condition.

16 designates a plurality of downwardly projecting lugs formed on the undersurface of the rail or plate 12, and adapted to provide means for the attachment of one end of an individual resilient holding finger 17. Said lugs 16 and their resilient holding fingers 17 correspond in number with the above described bearing webs or bars 4, used in the structure, and the free projecting portions of said resilient fingers 17 will have the curved form shown, so that they may readily slide beneath the transverse bearing webs or bars 4, of the bracket, in an assemblage of parts, and at the same time have a strong resilient bearing beneath the webs or bars 4, to hold the parts in assembled relation. In the modified constructions shown in Figs. 7 and 8, the aforesaid resilient fingers 17, will each comprise a pair of counterpart members, spaced apart the width of the central post or stem 4', above described, and adapted to pass on the respective side of said stem or post in an assemblage of parts.

In the erection of a structure, the series of the brackets are fixedly attached in proper relation upon the store counter or other base. The vertical plates of glass used in the structure are then placed in position, and secured therein by a series of guard rails or plates 12, engaging the vertical members 2 of the brackets in manner and by means above described.

The horizontal plates of glass used in the structure, are then placed in position, and secured therein by a series of horizontal guard rails or plates 12, engaging the horizontal members 1 of the brackets, in manner above set forth.

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

1. The combination of a bracket having a transversely disposed web associated in fixed relation to a supporting face of the bracket, a guard rail, and a resilient finger attached to said guard rail and adapted for resilient holding engagement beneath the aforesaid bearing web, substantially as set forth.

2. The combination of a bracket formed with an open recess in its supporting face and with a transverse bearing web in said open recess, a guard rail, and a resilient finger attached to said rail and adapted for resilient holding engagement beneath the aforesaid bearing web, substantially as set forth.

3. The combination of a bracket having a transversely disposed web associated in fixed relation to a supporting face of the bracket, a guard rail having a lug on its underside, and a resilient finger attached at one end to said lug and adapted for resilient holding engagement beneath the aforesaid bearing web, substantially as set forth.

4. The combination of a bracket formed with an open recess in its supporting face and with a transverse bearing web in said open recess, a guard rail having a lug on its underside, and a resilient finger attached at one end to said lug and adapted for resilient holding engagement beneath the aforesaid bearing web, substantially as set forth.

5. The combination of a bracket having a transversely disposed web associated in fixed relation to a supporting face of the bracket, a guard rail, means for connecting the guard rail to the bracket, said bracket having a vertical web at the rear end of its upper member to form an abutment for the guard rail, and a fastening means intermediate of said vertical web and the guard rail, substantially as set forth.

6. The combination of a bracket having a transversely disposed web associated in fixed relation to a supporting face of the bracket, a guard rail having a downturned flange at its front end, means for connecting the guard rail to the bracket said bracket having a vertical web at the rear end of its upper member to form an abutment for the guard rail, and a fastening means intermediate of said vertical web and the guard rail, substantially as set forth.

7. The combination of a bracket formed with an open recess in its supporting face, with a transverse bearing web in said recess and with a centrally disposed abutment lug on said supporting face, a guard rail, and a resilient finger attached to said guard rail and adapted for resilient holding engagement beneath the aforesaid bearing web, substantially as set forth.

8. The combination of a bracket having a

transversely disposed web associated in fixed relation to a supporting face of the bracket, a guard rail, and a resilient finger attached to said guard rail and adapted for resilient holding engagement beneath the aforesaid bearing web, the supporting face of the bracket having a raised ledge at one side adapted to provide a bearing for one side of the guard rail while the other side of said rail is adapted for bearing on a plate of glass resting on the aforesaid supporting face, substantially as set forth.

Signed at Waukegan, Illinois, this 16th day of March, 1915.

SHERMAN A. HATHORNE.