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SWINGING CORNER-BRACKET FOR SHOW-CASES.

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To all whom it may concern:

Be it known that I, LOUIS A. BECKER, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Swinging Corner-Brackets for Show-Cases, of which I do declare the following to be a full and clear description, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 is a plan view showing one corner of the show-case with my invention applied thereto. Fig. 2 is a view in side elevation. Fig. 3 is a detail view in vertical section on line 3—3 of Fig. 1.

The primary object of the invention is to provide a swinging bracket that may be readily applied to the corner of a show-case, or in like situations, so that the soiling or marring of the show-case, as for example, in serving glasses of soda water or in displaying articles that might scratch or injure the glass top of the show-case may be avoided.

The invention consists in the features of novelty hereinafter described, illustrated in the accompanying drawing and particularly defined in the claims at the end of this specification.

A designates the top plate and A' the side plates of the show-case, and B designates one of the top corner supports and B' denotes a bottom corner support whereby the glass plates of the show-case are held together. As shown, a tie rod C extends between the upper and lower corner supports B and B' in usual manner.

To the bottom support B' is secured the lower angular bracket D on which is pivotally mounted the lower end of the swinging bracket rod E. The upper portion of the rod E passes through the circular bearing portion *f* of a corner bracket F that is secured, as at *f'*, to the corner support B at the top of the show-case. The lower corner bracket D is formed with arms extending at right angles with each other, these arms being fastened as at *d* to the bottom support B' of the show-case, and the corner bracket D is provided with a projecting circular bearing portion *d'*, having a hole therein somewhat smaller in diameter than the body of the bracket rod E.

As shown, the bracket rod E has its lower portion of reduced diameter where it passes through the circular bearing *d'* of the lower

bracket D, the shoulder *e'*, thus formed upon the rod E, resting upon the upper face of a washer *g* that encircles the reduced portion of the bracket rod E. Around the reduced lower end portion of the bracket rod E is placed the coil spring G, the upper end of this coil spring bearing against the underside of the washer *g*, while the lower end of the coil spring rests upon the circular bearing *d'* through which the lower end portion of the rod E passes. Below the portion *d'* of the bracket D and encircling the lower end portion of the rod E is placed a washer *g'* that is held upon the rod by means of a pin *g''*. The spring G exerts an upward thrust upon the washer *g* and thus serves to force the washer *g'* against the lower face of the bearing portion *d'* of the bracket D. By this means the bracket rod E, while permitted to swing in the bearings *d'* and *f*, has sufficient friction imposed thereon to prevent the too free swinging of the bracket, and this is an advantageous feature, as it insures that when the bracket is moved to the desired position it will not accidentally swing therefrom.

The upper portion of the bracket rod E is bent at right angles to the vertical portion of said rod and carries a serving or display tray H. This tray H is preferably formed of spun sheet brass with a vertical rim *h* and a bottom annular flange *h'* formed integrally, the bottom annular flange *h'* serving to sustain a circular glass plate K that constitutes the bottom of the tray. To the under side of the tray frame H is connected a spider frame M, the arms of which are suitably secured to the bottom annular flange *h'* of the tray frame H. This spider frame M is formed with a depending off-set boss *m* preferably formed integral therewith, through which passes the horizontal upper portion of the bracket rod E. A set screw N passes through a threaded hole in the boss *m* and by engaging the rod E, serves to hold the spider frame M and the tray at any desired position along the horizontal portion of the rod E. As shown, the spider frame M is formed with a rib *m''* having a semi-circular notch *m'''* therein, to receive the upper portion of the rod E in order to more securely and accurately hold the tray in position upon the rod. The under side of the horizontal portion E of the rod is preferably flattened as shown at *e''*, so that

when the set screw N engages this flattened portion of the rod E the turning of the tray upon the rod is prevented.

My present invention is particularly advantageous for use in situations where it is desired to serve beverages, such as soda water and the like over show-cases. When not in use the tray may be swung away from above the show-case, so as not to interfere with the inspection of the articles contained therein, and when in use the glass of soda water or other article to be served, can be placed upon the tray by the attendant and can be swung over the show-case into convenient position for the purchaser. So, also, my invention will be found of advantage in connection with show-cases in which are displayed articles of metal which, if placed upon the top glass plate of the show-case, would be apt to scratch or injure the surface of the glass. By providing the tray H with a removable bottom plate K, this plate can be readily removed for cleaning and can be easily replaced if marred or broken. The construction of the tray frame with its raised and horizontal flanges, also forms a cheap and simple means for supporting the bottom plate K.

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

1. A swinging corner bracket comprising upper and lower bearing brackets adapted to be attached to the corner of a show-case, a bracket rod having a horizontal portion provided with a tray and having a vertical portion passing through the upper one of said bearing brackets and having its lower end passing through the lower one of said bearing brackets, the lower portion of said bracket rod being provided with laterally projecting devices above and below said lower bearing bracket, and a coiled spring encircling the lower portion of said bracket rod and arranged to exert a friction thrust between one of the laterally projecting devices of said rod and the lower bearing

bracket to check the swinging movement of said rod.

2. A swinging corner bracket comprising upper and lower bearing brackets adapted to be attached to the corner of a show-case, a bracket rod having a vertical portion sustained within said bearing brackets and having a reduced lower end passing through one of said brackets, a washer encircling said reduced lower portion of said bracket rod and a coil spring encircling said rod and interposed between said washer and the adjacent bearing bracket and arranged to exert a frictional thrust to check the swinging movement of the rod.

3. A swinging corner bracket comprising upper and lower bearing brackets adapted to be attached to the corner of a show-case, a bracket rod having a vertical portion sustained within said bearing brackets and having a reduced lower end portion formed with a shoulder, a washer encircling the reduced portion of bracket rod and arranged adjacent said shoulder, a coil spring interposed between said washer and the lower bearing bracket and arranged to exert pressure upon said parts to check the swinging movement of the bracket rod and means at the lower end of said bracket rod for preventing its withdrawal by the coil spring from the lower bearing bracket.

4. A swinging corner bracket comprising upper and lower bearing brackets adapted to be attached to the corner of a show-case, a bracket rod having a vertical portion sustained within said bearing brackets and having a horizontally projecting portion and a tray provided upon its under side with a depending lug and with a set screw whereby it may be connected with the bracket rod and having upon its under side a seat to receive said bracket rod.

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