

1,371,256.

H. G. MICHAELSON.
SHOWCASE AND BRACKET.
APPLICATION FILED FEB. 5, 1918.

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Fig. 1

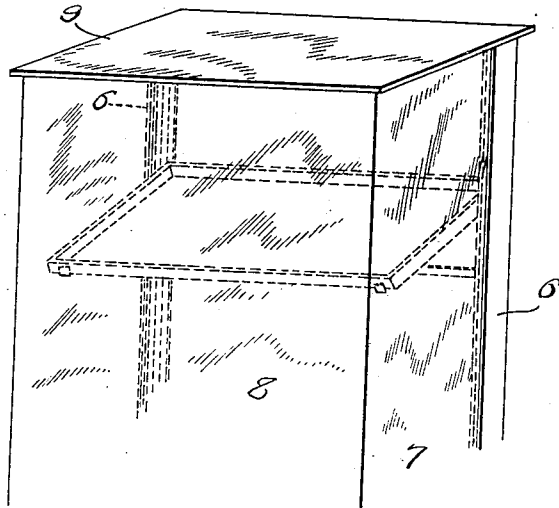


Fig. 2

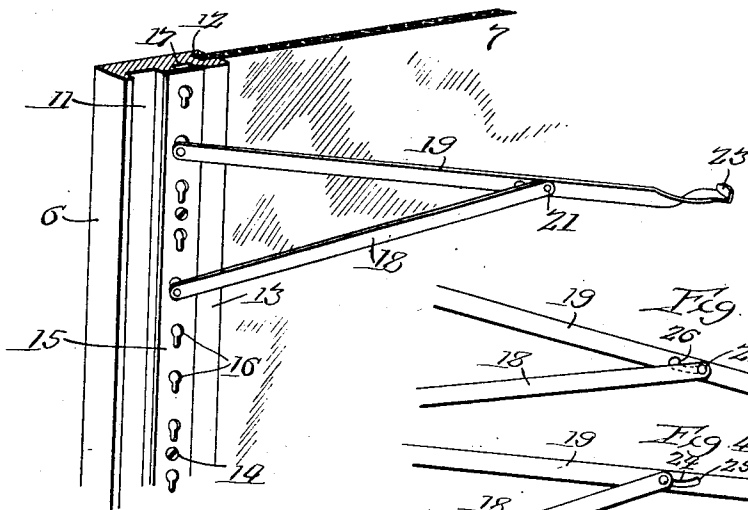


Fig. 3

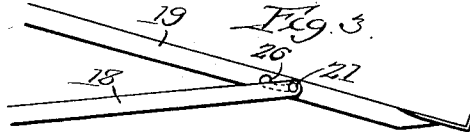


Fig. 4

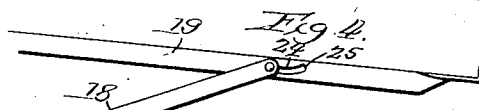
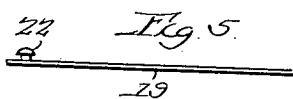


Fig. 5



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SHOWCASE AND BRACKET.

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To all whom it may concern:

Be it known that I, HENRY G. MICHAELSON, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Showcases and Brackets, of which the following is a specification.

This invention relates in general to showcases and to brackets for supporting shelves, trays, etc., therein for display purposes. The improvements pertain more particularly to that type of showcase characterized by an upper structure almost entirely of glass, with but very little frame or post structure, so that there will be the greatest possible vision of the display with practically no obstructions.

The primary object of the present invention is to provide a showcase of the character described in which the brackets for supporting the display may be mounted in a most advantageous and satisfactory manner, and shall be capable of quick and easy adjustment to different heights and to different angles.

I have also aimed to design the corner post structure of a showcase and the brackets in such simple and novel manner that they may be manufactured at a comparatively low cost and yet be amply strong and adjustable for all conditions and requirements of usage.

Other objects and attendant advantages will be appreciated as the invention becomes better understood by reference to the following description when considered in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of the upper portion of a showcase embodying my improvements;

Fig. 2, a fragmentary view in perspective looking at the inner and rear side of a corner post and showing the mounting of a bracket thereon;

Figs. 3 and 4, detail views illustrating a bracket adjusted to different angles; and

Fig. 5, a detail edge view of the attaching end of a bracket member.

A showcase to which my improvements are particularly applicable is characterized by the provision of rear corner uprights or

posts designated generally by character 6, and suitable glass sides 7, front 8 and top 9. The top and base structure of the cabinet, however, is not important and in the present instance, no base is shown. It may be assumed, however, that the corner posts 6 are suitably connected together at their upper and lower ends, the general practice being to provide a cross bar connecting the upper ends, and to secure the lower ends of the posts rigidly to a base or cabinet, as the case may be, forming the lower showcase structure. In the present instance, access is had to the interior of the showcase through the back thereof, that is, through the opening intermediate the posts 6, and this opening is adapted to be closed by a door, now shown, but interposed between and slidable vertically in the ways 11 formed in the posts.

In a showcase of this type it is desirable to obtain as narrow a corner post as possible not only for the purpose of lessening the cost, but in order to obtain the greatest display space within the glass sides and at the same time, to provide means for detachably and adjustably mounting brackets upon the posts. Heretofore, it has been the practice to adjustably mount brackets on the front face or side of posts somewhat similar to the post 6, this construction necessitating a comparatively wide post since the bracket attachment must be disposed at the inner side of the glass sides. Furthermore, brackets mounted in this manner are rather inconvenient to adjust since the fastening means must be approached by hand from the front.

These difficulties, I have avoided by the provision of the present improvements and, as a result, it is possible to employ a comparatively narrow post of just sufficient width to properly receive and support the glass sides and to support the brackets so that they may be mounted in a most effective manner and be capable of almost instant adjustment without the least inconvenience. These advantages are obtained chiefly by providing novel means for attaching the brackets to the inner sides of the posts. Referring to Fig. 2, it will be noted that the post (which is the right hand one viewing Fig. 1) is formed of a comparatively narrow board grooved along its front edge at

12 to receive the adjacent glass side 7. It will be particularly observed that by reason of my improvements it is only necessary to make the post of such thickness as to properly insure fastening for the glass sides for supporting the same in a substantial manner, commensurate of course, with the size and use of the show case. To the inner face 13 of each post is suitably secured as by means of screws 14, a metallic facing strip 15 provided with a plurality of vertically spaced key-hole slots 16. In the present instance, the facing strip 15 is set in flush with the face 13 and the latter is grooved longitudinally as at 17 in alinement with the key-hole slots to provide clearance for fastening means insertible in said slots. The brackets are preferably each formed of two narrow strips of sheet metal 18 and 19 pivotally connected together at 21 and each provided with rivet heads 22 or their equivalent, adapted to enter and be engaged in the key-hole slots 16. The bracket member 19 serves as the direct means for receiving and supporting a shelf, tray or whatever is to be supported, and in this instance is turned at its most extended end to provide a raised stop or rest 23 for holding a tray or the like from displacement when the supporting member is held in an angled position, such for example, as when a tray is supported as indicated in dotted lines in Fig. 1. The member 18, pivotally connected to the member 19 forward of the center of the latter, serves to brace and hold the same in operative position and, by adjusting the inner end of either member to different key-hole slots, the inclination of the member 19 with respect to the horizontal may be varied. However, when a number of brackets must be mounted in relatively close relation it is impossible to adjust the inner ends of either member to any great extent and in order that the inclination of the supporting members 19 might be adjusted as desired, I have provided means enabling the pivot 21 to be changed for this purpose without disturbing the mounting of the brackets. As shown in Figs. 3 and 4, each bracket member 19 is provided with a slot 24 through which the connecting pin 21 passes. The pin 21 may be of the rivet head type substantially as shown in Fig. 5, so as to be held against displacement from connection with the member 19 and yet be capable of sliding lengthwise in the slot 24. This slot is shaped to provide a plurality of surfaces spaced apart longitudinally of the member 19 for receiving the pin 21, so that the latter may be held at any of a plurality of differently adjusted positions. In the present instance, these surfaces are represented as 25 and 26. When the pin 21 engages the surface 25 at the forward end of

the slot the bracket member 19 will be inclined downwardly to the greatest extent, as shown in Figs. 1, 2 and 3. By simply swinging the bracket member 19 upwardly, the rear stop or rest 26 will be brought into position to receive the pin 21 and may be engaged with the latter as shown in Fig. 4, so that the bracket member 19 will be held at a different inclination, in this instance substantially horizontal. It will be manifest that such adjustment may be made from the rear of the showcase without disturbing the mounting of the bracket members, since it is simply necessary to swing the member 19 upwardly or downwardly and to properly guide or manipulate the member 18 so that its pin 21 will engage with or disengage from the surface 26, as the case may be.

It will thus be seen that I have provided a sectional bracket connected with a post or other suitable frame structure so as to be immediately adjustable thereon for varying the height and inclination of the supporting member of the bracket and adjustable without disturbing the attaching ends, for varying the inclination alone. By arranging the members 18 and 19 of the bracket on edge in the manner shown, the attachment of said members together and their attachment to the key-hole strip is not only simplified but the members are disposed in very close and compact relation to the post so as to occupy but little lateral space, and furthermore, being arranged on edge, are capable of carrying considerably greater weight than is possible if they were arranged with their flat sides horizontal. While the construction appears exceedingly simple, nevertheless, it affords many advantages as have already been mentioned and meets very satisfactorily the requirements of service, as well as being capable of manufacture at a comparatively low cost. It is believed that the foregoing conveys a clear understanding of my improvements, and it should be understood that while I have illustrated one practical working embodiment thereof, various changes might be made in details of construction without departing from the spirit and scope of the invention as expressed in the accompanying claims.

I claim:

1. A bracket of the character described comprising a supporting member provided with a row of key-hole slots, upper and lower bracket sections pivotally and detachably engaged in said slots, and an adjustable connection between the extended ends of the bracket members consisting of a slot in one of the members having longitudinally spaced shoulders facing toward a common end of its respective member and a part on the other bracket member movable in

said slot and adapted to engage either one of said shoulders to sustain the upper bracket member at different inclinations.

2. In a showcase structure, the combination of an upright wooden corner post of relatively narrow width having means in its narrow side for holding a glass and being grooved longitudinally on its inner side, a metallic facing strip covering said groove, secured to the post and having a plurality of vertically spaced keyhole slots or the equivalent registering with the groove, and a shelf or tray-supporting bracket having lateral supporting extensions adapted to enter said keyhole slots for engagement with the inner side of the facing strip.

HENRY G. MICHAELSON.