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ADJUSTABLE BRACKET FOR DISPLAY CASES

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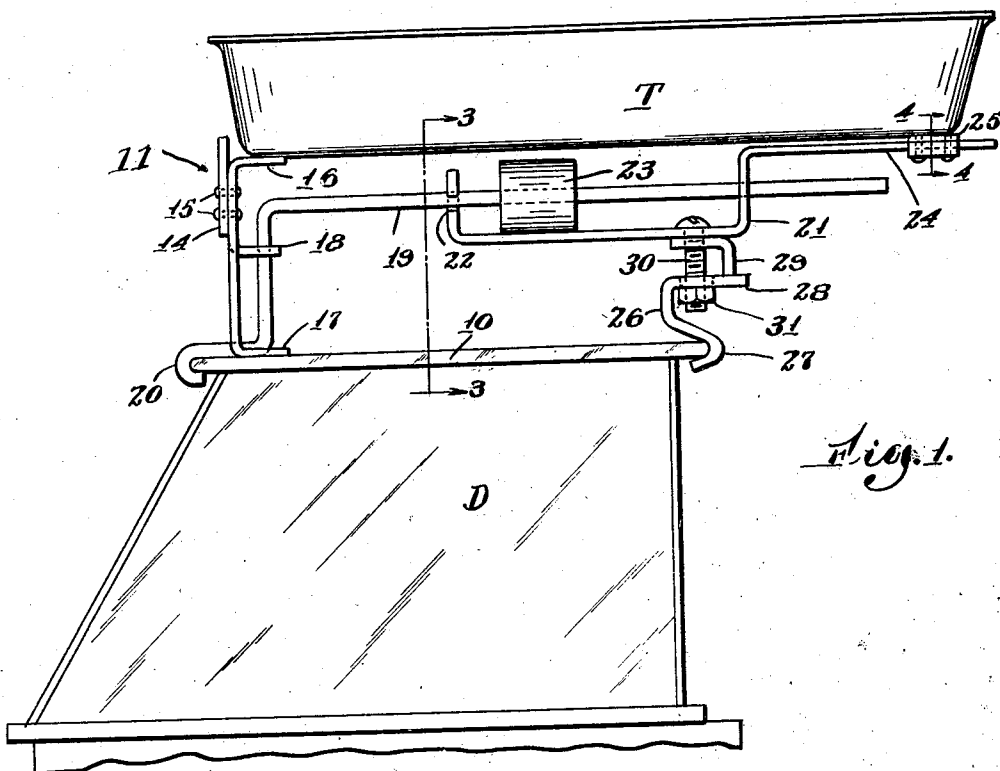


Fig. 1.

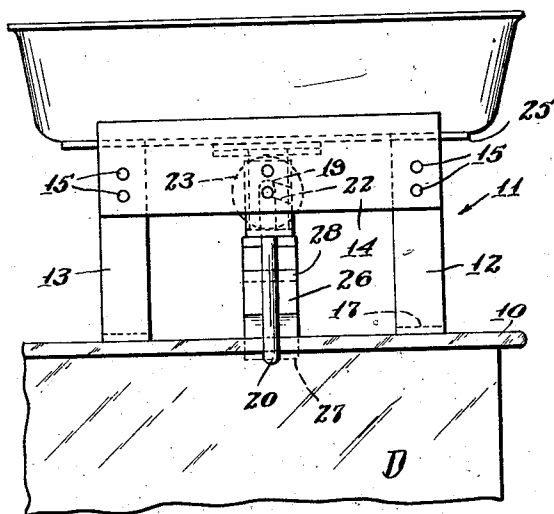


Fig. 2.

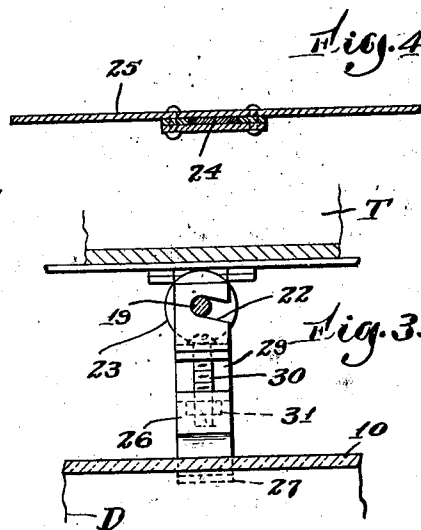


Fig. 4.

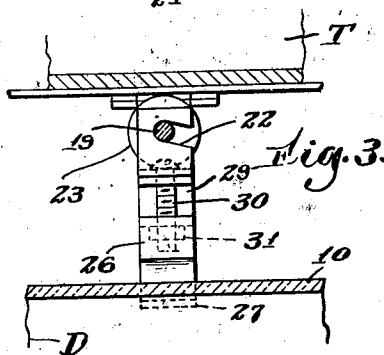


Fig. 3.

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ADJUSTABLE BRACKET FOR DISPLAY CASES

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My present invention relates to brackets, and more particularly to an adjustable bracket for display cases or the like.

Modern display cases such as are used for meats, for instance, are composed for the greater part of glass having a sloping front and narrow top. The top of such display cases does not lend itself readily for the purpose of displaying such goods as meats thereon for several reasons, for instance, the top is too narrow to accommodate a meat tray without obscuring more or less of the contents of the case, also because of such narrow space, meat trays are easily knocked off of the case by clerks busily engaged in waiting on the trade.

My present invention consists, therefore, of a portable and adjustable bracket which may be quickly attached to the top of such a display case without the aid of tools and positioned at any desired spot along the said case, or several brackets may be used at a time spread out side by side.

The principal object of my invention therefore, is an improved adjustable bracket for display cases and the like;

Another object is a convenient means for adjusting a bracket of this nature for different widths of display case tops;

Still another object is an easy and efficient means of locking such a bracket to the top of a display case or the like;

Other novel features comprising the construction and operation of my bracket will appear as the description of the device progresses.

In the drawings illustrating my invention,

Fig. 1 shows an elevation taken from one end of a display case with one of the brackets mounted thereon;

Fig. 2 is a front side elevation of the bracket illustrated at Fig. 1;

Fig. 3 is a cross sectional view taken on the line 3—3 of Fig. 1, and

Fig. 4 is also a cross sectional view taken on line 4—4 of Fig. 1 showing a detail of the slide member which supports the back end of the tray T.

Referring now to the drawings, 10 indicates the glass top of a display case D. A

front rest member 11 comprising a pair of supporting members 12 and 13 separated by a longitudinal member 14 and secured thereto by rivets 15, together with an off-set member 18, forms a front rest for the tray T, the supporting members 12 and 13 being bent inwardly at 16 and 17 in parallel relationship for the purpose of supporting the front end of the tray T, as at 16, for a bearing on the case D, as at 17.

The off-set member 18 is made in the form of an L and is attached to the member 14 at a point midway between the supporting members 12 and 13, is further provided with in its off-set end for the purpose of loosely receiving a rod member 19, the extreme front end 20 of which is hooked so that it will engage the extreme front edge of the glass top 10.

At the rear portion of the rod 19 there is a supporting member 21, the front portion of which is formed in the shape of a U. The rod 19 passes through an opening provided in the rear side of the U member while the front side of the U member is slotted on one edge at 22, the slot 22 being placed at a slight angle as shown in Fig. 3. Mid-way between the two sides of the U member and centrally located on the rod 19 is located a resilient member 23 slidably mounted for adjustment purposes on the said rod 19. This resilient member 23 may be composed of any yieldable material, as rubber, and so proportioned that its radius is slightly greater than the intervening space between the center of the rod 19 and the inner surface of the bottom portion of the U member such that when the slot 22 of front side of the U member is engaged with the rod 19, as shown in Figs. 1 and 3, the member 23 will yield enough to allow the slot 22 of the U member to engage around the rod 19, and at the same time offer resistance enough to clamp the U member to the said rod 19.

At the extreme back end of the U member 21 is an extension member 24 extending rearwardly in an elevated but parallel plane to the bottom of the U member 21 and composed preferably of one piece of flat metal integral with said U member 21. On the extension

member 24, I have provided a cross slide member 25 of well known construction, such that the slide member 25 may be adjusted toward the front or back of the extension 24 for the purpose of accommodating various lengths of trays, as at T.

To support the U member 21 as well as the rear end of the tray T, I have placed an S shaped member 26, the lower edge of which is hooked at 27 for the purpose of engaging the rear edge of the case top 10 while at the top of the S shaped member 26, I have formed a right-angle, the top surface 28 being bent in a parallel plane to the bottom of the U member 21.

Directly above the member 28 is an inverted L member 29, the top side of which is firmly attached to the bottom of the U member 21 while the lower edge of the said L member 29 engages in a vertical manner with the back top side of the right-angle member 28. A screw 30 is threaded through the U member 21, and L member 29, the lower end of which passes loosely through the top 28 of the S member 26 and is provided with a nut 31 adjacent the under side of member 28.

It will be noted that due to the construction of the members 26 and 29, certain adjustments in the tension of the U member 21 when locked in place about the rod 19 may be made by tightening up or loosening the nut 31, as the case may be, such that the whole bracket will be rigid while at the same time, the member 23 will prevent the rod 19 from slipping in an endwise direction on the rod 19.

The hooked end 27 of the S member 26 is set at an angle for the purpose of accommodating a straight top 10, or one whose edges are beveled.

The front support member 11 supporting the tray T is loosely attached to the rod 19 such that it may be raised on the rod 19 a short distance in a vertical manner for the purpose of allowing an attendant to wash the top of the case 10 without removing the whole bracket.

Having thus described my invention, what I claim as new, is:

1. In an adjustable bracket for display cases, the combination of a clamp member adapted to grip one edge of the top of a display case, a collapsible clamp member adapted to grip the opposite edge of the said top of said display case, a vertically movable tray supporting member attached to the first said clamp member, a transversely and longitudinally movable tray support attached to the second said clamp member, a yieldably and slidably mounted member attached to first said clamp member and adapted to be compressed by said second clamp member by means of a hook formed on one side of second clamp member and engaged around said first clamp member, substantially as shown and described.

2. In an adjustable bracket for display cases and the like, a clamp member adapted to engage the two opposite edges of the top of a display case comprising a U member slidably associated with a rod member one end of which is hooked for the purpose of engaging one of said edges of said case, a yieldable member attached to said rod and adapted to be compressed and seized in said U member by means of a hook formed on one leg of said U member adapted to hook over said rod, a rear extension member comprising a part of said U member and extending rearwardly therefrom in a parallel plane to the bottom of said U member and further provided with a transversely disposed slide member adapted to be horizontally moved on said U extension member, an inverted L member attached to one side of said U member and associated with an S member and adjustably held thereto by means of a clamp member located between said U member and said S member, the lower end of said S member adapted to engage with one side of the top edge of a display case, a vertically adjustable tray rest attached to said rod member comprising the first said clamp member.

3. In an adjustable bracket for display cases and the like, a clamp member associated with one side of a display case, a second clamp member associated with the opposite side of said display case, the upper portion of said second clamp member comprising a U portion, one side of said U portion adapted to receive one end of said first clamp, the other side of said U portion adapted to hook over said first clamp member, a yieldable member located on said first clamp member and located between the two sides of said U portion for the purpose of locking the said first clamp member to the said second member by means of a hook formed on one side of said U member as aforesaid.

4. In a clamp for use on display case brackets or the like, a front portion adapted to engage the front top of said case, a back portion slidably located on said front portion, a resilient member adapted to bind said back portion to said front portion by means of a hook member attached to said back portion and engaged with said front portion, a second hook member attached to said back portion engaging with the opposite edge of said case top adapted to cooperate with said front and back portion to effect a clamp on said case, substantially as shown and described.

In testimony whereof I have affixed my signature.

HARRY D. BLAKE.