Dec. 22, 1959 W. B. S. CAMERON 2,918,245

CURTAIN ROD SUPPORT BRACKET

Filed May 16, 1956

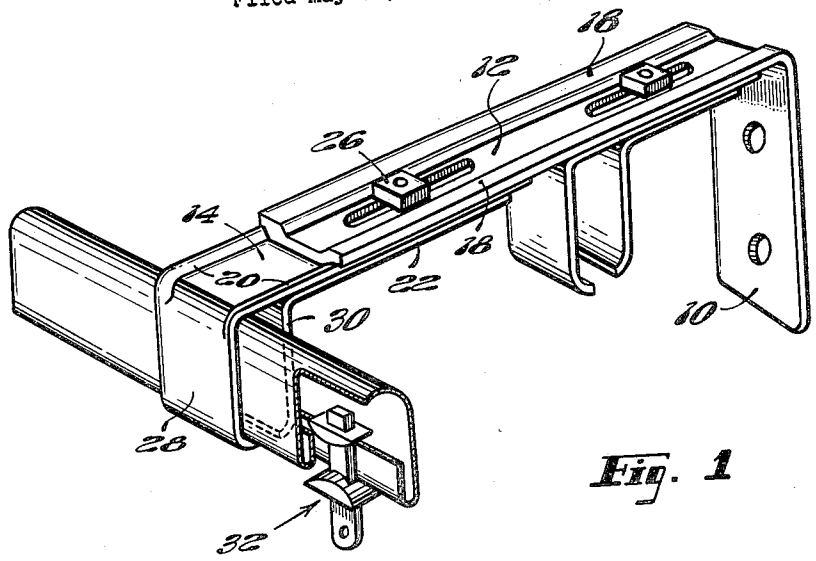


Fig. 1

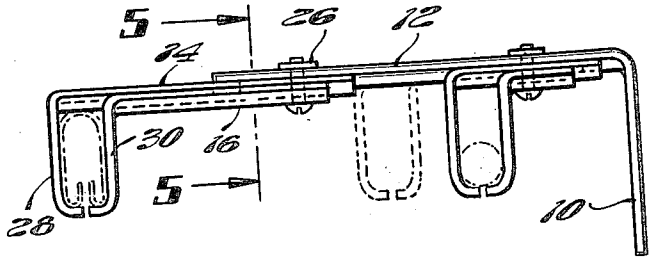


Fig. 2

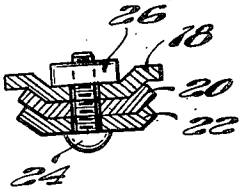


Fig. 5

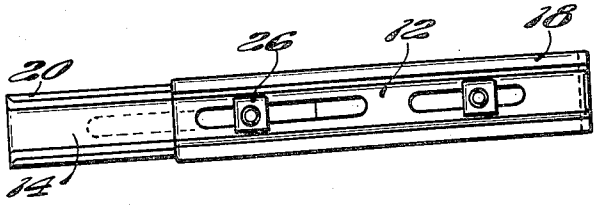


Fig. 3

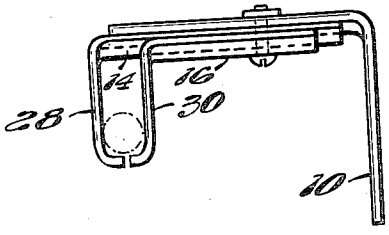


Fig. 4

INVENTOR.
WARREN B. S. CAMERON
BY: PORTER, CHITTICK & RUSSELL.
ATTORNEYS

United States Patent Office 2,918,245 Patented Dec. 22, 1959

2,918,245

CURTAIN ROD SUPPORT BRACKET

Warren B. S. Cameron, Hillsgrove, R.I., assignor to Kenney Manufacturing Company, Cranston, R.I., a corporation of Rhode Island

Application May 16, 1956, Serial No. 585,359

1 Claim. (Cl. 248—263)

This invention relates to curtain rod brackets, and more particularly to a curtain rod bracket adapted for use with various types of rods and in various locations relative to a window frame or the like.

It is a principal object of my invention to provide a curtain rod bracket of simple and strong construction capable of a wide variety of uses in connection with various forms of curtain rod. Still another object of my invention is to provide such a bracket with convenient mechanism for installation, adjustment and alignment. An additional object of my invention is to provide a curtain rod bracket which may be employed as a center or intermediate rod supporting bracket in connection with inverted U-shaped traverse rods without crimping the rod or interfering with the free passage of traverse rod carriers.

In the accomplishment of these and other objects of my invention in a preferred embodiment thereof, I employ a substantially heavy and rigid sheet metal stock in the formation of the bracket. The rod supporting elements of the bracket are mounted on a base member which is usually secured in the vertical position to a window frame or the like. Extending laterally and horizontally from this base member, I provide a main arm. To this main arm, I secure an intermediate arm and an auxiliary arm. The intermediate arm and the auxiliary arm carry depending jaw members which cooperate to support a curtain rod. All three arms are provided with marginal upwardly slanting flanges, which are arranged so that the three arms nest in longitudinal alignment. The marginal flanges also serve to reinforce the said arms against downward bending forces. The arms are secured together in an adjusted position by means of a nut and bolt fitting through longitudinally extending slots in the arms with the nut lying between the flanges of the uppermost of the three arms. Said flanges are positioned to restrict turning motion of the said nut during adjustment and tightening.

It is a feature of my invention that many different forms of curtain rod may be supported by it and that the bracket may be employed either as an end support or as a center support for longer traverse rods or the like. It is a further feature of my invention that the cooperating jaws on the arms serve to support a traverse rod of the inverted U type and that the said jaws neither crimp the rod nor otherwise interfere with the free passage of the traverse rod curtain carriers.

Further objects and features of my invention will best be understood and appreciated from a detailed description of a preferred embodiment thereof, selected for purposes of illustration and shown in the accompanying drawings, in which:

Fig. 1 is a view in perspective of the bracket of my invention designed for supporting a plurality of curtain rods;

Fig. 2 is a view in side elevation of the bracket shown in Fig. 1;

Fig. 3 is a plan view of the bracket shown in Fig. 4;

Fig. 4 is a view in side elevation of a form of the bracket of my invention designed for supporting only one curtain rod; and

Fig. 5 is a cross sectional view in end elevation along the lines 5—5 of Fig. 2.

The preferred embodiment of my invention herein shown is made of heavy and substantially rigid sheet metal. It comprises a base 10 perforated to receive screws for attaching the same to a window frame or the like. Extending laterally from the base 10 and in a horizontal plane, I provide a main arm 12. The main arm 12 serves to support an intermediate arm 14 and an auxiliary arm 16. The arm 12 is provided with upwardly extending marginal flanges 18, the intermediate arm 14 has similar marginal flanges 20, and the auxiliary arm 16 is also provided with similar marginal flanges 22. The flanges 18, 20 and 22 are arranged with respect to the lateral dimensions of the arms 12, 14 and 16 so that the three said arms nest together in close fitting relation. The arms 12, 14 and 16 are further provided centrally with longitudinally extending slots for the purpose of varying the longitudinal position of the said arms relative to each other. A bolt 24 passes through the said slots and engages a nut 26 to secure the three said arms together. During tightening, the flanges 18 of the main arm 12 serve to hold the nut 26 from turning.

In this preferred embodiment, the intermediate arm 14 lies directly beneath the main arm 12 and the auxiliary arm 16 lies directly beneath the intermediate arm 14. On the other hand, it will be understood that, in various other arrangements, it may be possible to change the order of these elements. On the other hand, the order shown in this preferred embodiment permits a wider variety of adjustment and uses.

The intermediate arm 14 carries at its outer extremity a depending and inwardly curved jaw member 28, and the auxiliary arm 16 carries at its outer extremity a depending outwardly curved jaw member 30 which lies in opposed relation to the jaw member 28 of the intermediate arm 14. The jaw members 28 and 30 serve to support the curtain rod as may be seen in Fig. 1. Various forms of rod may be supported by this bracket, as for instance, round rods, C-shaped or inverted U-shaped rods. In particular, with relation to the inverted U-shaped rod, it should be pointed out that the jaw members 28 and 30 permit free passage of curtain carriers, as indicated at 32, along the rod without obstruction from the bracket. Furthermore, the lower extremities of the jaw members 28 and 30 are bent around underneath the lower lateral margins of the inverted U-shaped rod so that they support the rod predominantly from below without tending to crimp the lower portion of the rod together. I regard this as a definite advantage of the bracket of my invention when employed in connection with the inverted U-shaped type of curtain rod.

In Fig. 1, I have shown the bracket of my invention adapted to support a pair of curtain rods in parallel relation. It will be understood, however, that the bracket may be employed in connection with a single supporting element as may be seen in Fig. 4.

It will now be seen that the largest curtain rods may be inserted into the jaws 28 and 30 by loosening the bolt 24 without disassembling the bracket, and that a pair of jaws may be moved as a unit to the desired distance from the wall. I regard these as important aspects of the bracket of my invention.

Since numerous minor variations of this preferred embodiment of my invention will now be apparent to those skilled in the art, it is not my intention to confine the invention to the precise form herein shown, but rather to limit it in terms of the appended claim.

Having thus described and disclosed a preferred em-

bodiment of my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

A curtain rod bracket comprising a base, means for attaching said base to a fixed support, a main arm extending laterally from said base, said main arm having upwardly extending flanges along its marginal edges, a pair of spaced elongated slots formed in said main arm, two pairs of auxiliary arms, each auxiliary arm having an elongated slot therein and having upwardly extending flanges along its marginal edges, the auxiliary arms of each pair being in nesting relation with each other and with a portion of said main arm, said upwardly extending marginal flanges on said auxiliary arms cooperating with each other for maintaining said auxiliary arms in longitudinal alignment relative to each other and the upwardly extending marginal flanges on one arm of each pair of auxiliary arms cooperating with the upwardly extending marginal flanges on said main arm for maintaining said pairs of arms in longitudinal alignment relative to said main arm, said upwardly extending marginal flanges reinforcing all of said arms against downwardly

bending forces, each of said auxiliary arms having downwardly extending jaw members formed integrally therewith, clamping means extending through said slots in said main arm and said slots in said auxiliary arms for slidably supporting and adjusting said jaw members of a pair in spaced relation relative to each other and the jaw members of one pair of auxiliary arms relative to the jaw members of the other pair of auxiliary arms, the terminal portions of said jaw members of a pair of auxiliary arms extending horizontally toward each other whereby said jaw members of each pair of auxiliary arms will support an inverted U-shaped curtain rod without crimping the lower margins of the curtain rod together.

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