Aug. 13, 1940. I. W. LEMLE 2,210,982

CURTAIN CRANE BRACKET

Filed Feb. 18, 1939

Fig. 1

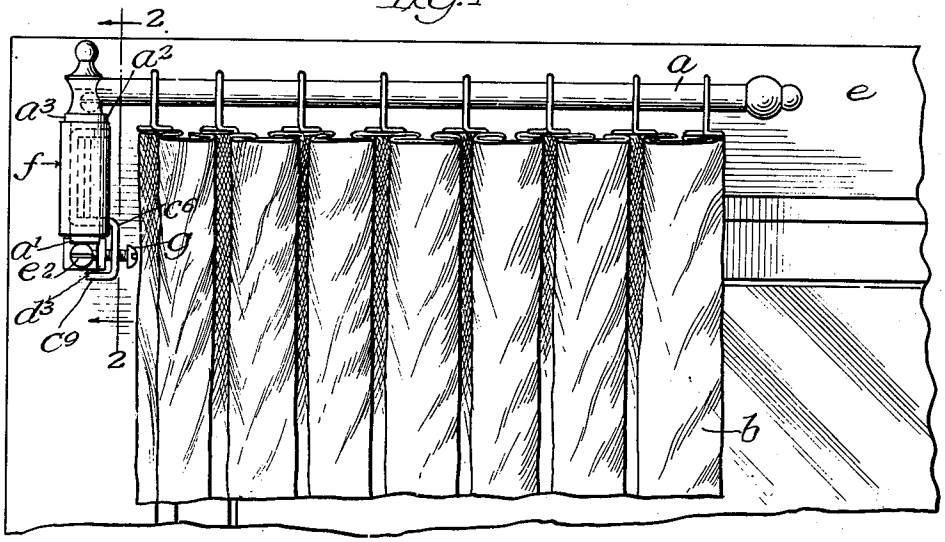


Fig. 2

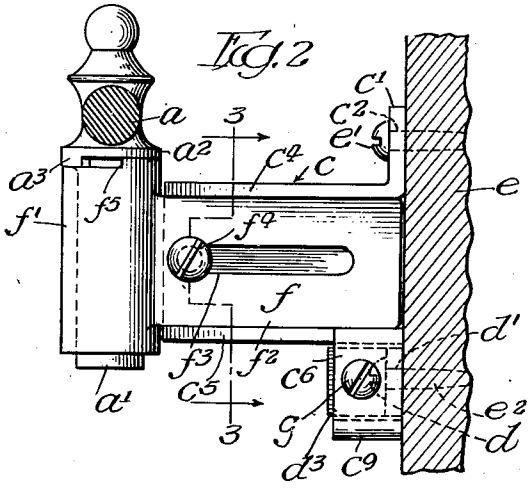


Fig. 3

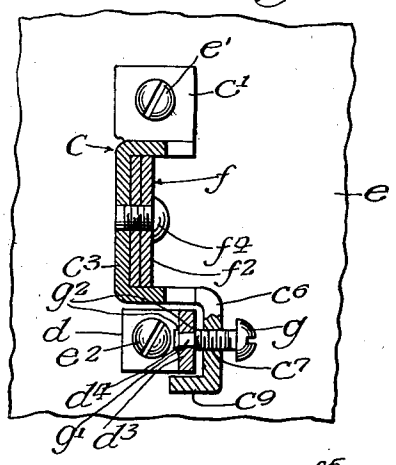


Fig. 4

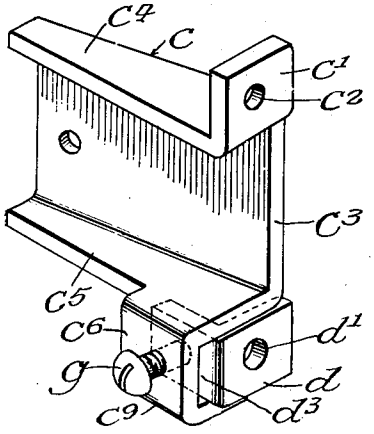
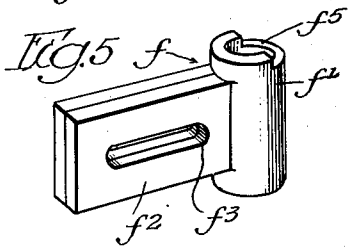


Fig. 5



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CURTAIN CRANE BRACKET

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Application February 18, 1939, Serial No. 257,076

5 Claims. (Cl. 248—265)

The invention relates generally to supports. More particularly the invention relates to that type of support which serves to sustain in a horizontal position a crane for a curtain.

One object of the invention is to provide a support of this type which is adjustable to bring the crane into truly horizontal position, which is simple in construction, and can be easily applied to a wall or frame.

Another object of the invention is to provide a curtain-crane support which comprises a bracket-section with a socket for the pivot-shank of the crane and a hole for an attaching screw, a separate section with a hole for a screw for attaching it to a wall or frame, and screw-means between the two sections for adjusting the section with the socket to retain the crane truly horizontal.

Other objects of the invention will be apparent from a consideration of the following detailed description.

The invention consists in the several novel features which are hereinafter set forth and are more particularly defined by claims at the conclusion hereof.

In the drawing: Fig. 1 is a front elevation of a crane support embodying the invention. Fig. 2 is an enlarged section on the line **2—2** of Fig. 1. Fig. 3 is a section on the line **3—3** of Fig. 2. Fig. 4 is a perspective of the bracket-section. Fig. 5 is a perspective of the socket section which is carried by the bracket-section and is adjustable relatively to said bracket-section so that the crane may be positioned at different distances from the wall or frame.

The invention is exemplified in connection with a crane a on which a curtain b is suspended in any manner, as well understood in the art. The crane is provided with a vertical pivot-stud or shank a^1 so that it may be swung into position parallel with the wall or at right angles thereto. The improved support which constitutes the invention comprises a bracket-section c and section d. These two sections are separate from each other and are each separately attachable to the wall or frame. Bracket-section c comprises an upstanding or vertical lug c^1 which fits against the frame or wall e and is provided with a hole c^2 for an attaching screw e^1; a vertically extending side c^3, which extends substantially at right angles from the face of the wall or frame and outwardly therefrom; a horizontal top flange c^4 on side c^3; a lower horizontal flange c^5 on side c^3; and a downwardly extending lug c^6 with a screw-threaded hole c^7. Lug c^1, side c^3, flanges c^4, c^5 and downwardly extending lug c^6 are integrally formed and are preferably stamped from sheet metal.

In addition to the sections c and d the support comprises a socket-section f. This section consists of a cylindrical member f^1 for the pivot-stud a^1 of the crane a, and a flat member f^2 which fits vertically between the flanges c^4, c^5 and against side c^3. Member f^2 is provided with an elongated slot f^3 for a screw f^4 whereby the socket-member may be adjustably secured in bracket c to position the socket f^1 different distances from the wall or frame e. Section f may be formed of plate or sheet metal bent to form cylinder member f^1 and folded upon itself to form flat member f^2. The pivot-stud a^1 of the crane is provided with a shoulder a^2 which rests on the top member f^1, and with a depending stop a^3 which extends into a cut-away portion f^5 at the top of said member and co-acts therewith to limit the horizontal pivotal movement of the crane.

Section d comprises a member or lug which fits against the wall or frame e and is provided with a hole d^1 for a screw e^2 for attaching the section d to the frame or wall. Section d also comprises an integral lug d^3 which projects outwardly from the wall and is provided with a hole d^4 extending therethrough.

A screw g is threaded to hole c^7 in lug c^6 and is provided with an unthreaded cylindrical portion g^1 which extends through hole d^4 and is provided with shoulders g^2. The latter engage the front and back faces of lug d^3 and serve to hold the screw against longitudinal movement relatively to section d while at the same time permitting the screw to rotate relatively to the lug.

In mounting the support on a wall or frame, sections c and d are positioned so that holes c^2 and d^1 are vertically aligned. Thereafter screw e^1 is driven into the wall or frame to secure the section b thereon and screw e^2 is driven into the frame or wall to secure section d thereon. After both sections have been thus secured, screw g is adjusted to swing section c pivotally on screw e^1 to position cylinder member f^1 so that the crane a will be truly horizontal. Rotation of screw g by reason of its threaded engagement with depending lug c^6 of section c, moves said lug c^6 to or from lug d^3 on section d and causes section c to swing laterally. This adjustment may be utilized during the mounting of the crane on the frame or wall and also to compensate for any sagging of the crane. The cylindrical por-

tion g^1 of screw g fits loosely in the hole through which it passes in lug d^3 of section d to permit a slight pivotal movement of the screw with section c during adjustment of the latter. Lug c^6 is provided with a lip c^9 which extends under lug d^3 of section d to hold said section against excessive rotation of screw g before the support is mounted on the wall or frame a.

The invention exemplifies a curtain-crane support which is simple in construction and provides for adjustment of the socket for the pivot-stud of the crane between two bracket-sections which are separately secured to the wall or frame. The support is simple in construction and can be fabricated from sheet or plate metal. The socket-member is slidably adjustable in the bracket for positioning the socket for the pivot-stud of the crane different distances from the frame or wall.

The invention is not to be understood as restricted to the details set forth, since these may be modified within the scope of the appended claims, without departing from the spirit and scope of the invention.

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

1. A curtain-crane support comprising the combination of a pair of separate bracket-sections each provided with a lug adapted to fit against and having a hole for means for pivotally attaching one section to a wall or frame, a socket-member for the pivot-stud of the crane on one bracket-section, and a screw between the bracket-sections for pivotally adjusting one section on the wall or frame and relatively to the other section for positioning the socket to retain the crane truly horizontal.

2. A curtain-crane support comprising the combination of a pair of separate bracket-sections each provided with a lug adapted to fit against and having a hole for means for pivotally attaching one section to a wall or frame, a socket-member for the pivot-stud of the crane on one bracket-section, and a screw rotatable and held against axial movement in one section and screw-threaded to the other section for pivotally adjusting one section on the wall and relatively to the other section for positioning the socket to retain the crane truly horizontal.

3. A curtain-crane support comprising the combination of a bracket-section provided with a lug adapted to fit against, and having a hole for means for attaching it to, a wall or frame, a socket-member for the pivot-stud of the crane on said section, a second section provided with a lug adapted to fit against the wall or frame and a hole in said lug for means for attaching the second section to the wall or frame, the sections being each provided with a lug extending transversely of the face of the frame or wall, and a screw threaded to one of the transversely extending lugs and rotatable and held against longitudinal movement in the other, for pivotally adjusting one of the bracket-sections on the wall or frame and relatively to the other section.

4. In a curtain support, the combination of a bracket-section provided with a lug adapted to fit against and having a hole for means for attaching said section to a wall or frame and provided with a vertically extending side having laterally extending horizontal flanges, a socket-member for the pivot-stud of the crane comprising a socket and a member slidably fitting between said flanges, means for adjustably securing the socket-member to the bracket, a lug-section separate from the first-mentioned bracket-section provided with a lug adapted to fit against the wall or frame, the lug having a hole for attaching means, and a screw between the bracket-section and the lug-section for pivotally adjusting the bracket-section relatively to the lug-section and retaining the crane truly horizontal.

5. In a curtain support, the combination of a bracket-section provided with a lug adapted to fit against and having a hole for means for attaching said section to a wall or frame and provided with a vertically extending side having laterally extending horizontal flanges, a socket-member for the pivot-stud of the crane comprising a socket and a member slidably fitting between said flanges, means for adjustably securing the socket-member to the bracket, a lug-section separate from the first-mentioned bracket-section provided with a lug adapted to fit against the wall or frame, the lug having a hole for attaching means, the sections being each provided with a transversely extending lug and a screw rotatable and held against axial movement in the transversely extending lug on the lug-section and threaded to the transversely extending lug on the bracket-section, for pivotally adjusting the bracket-section on the wall or frame.

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