June 28, 1949. F. E. MENTZ 2,474,434

COMBINED SUPPORT FOR SHADES, CURTAINS, AND DRAPES

Filed Oct. 22, 1946

Fig. 1

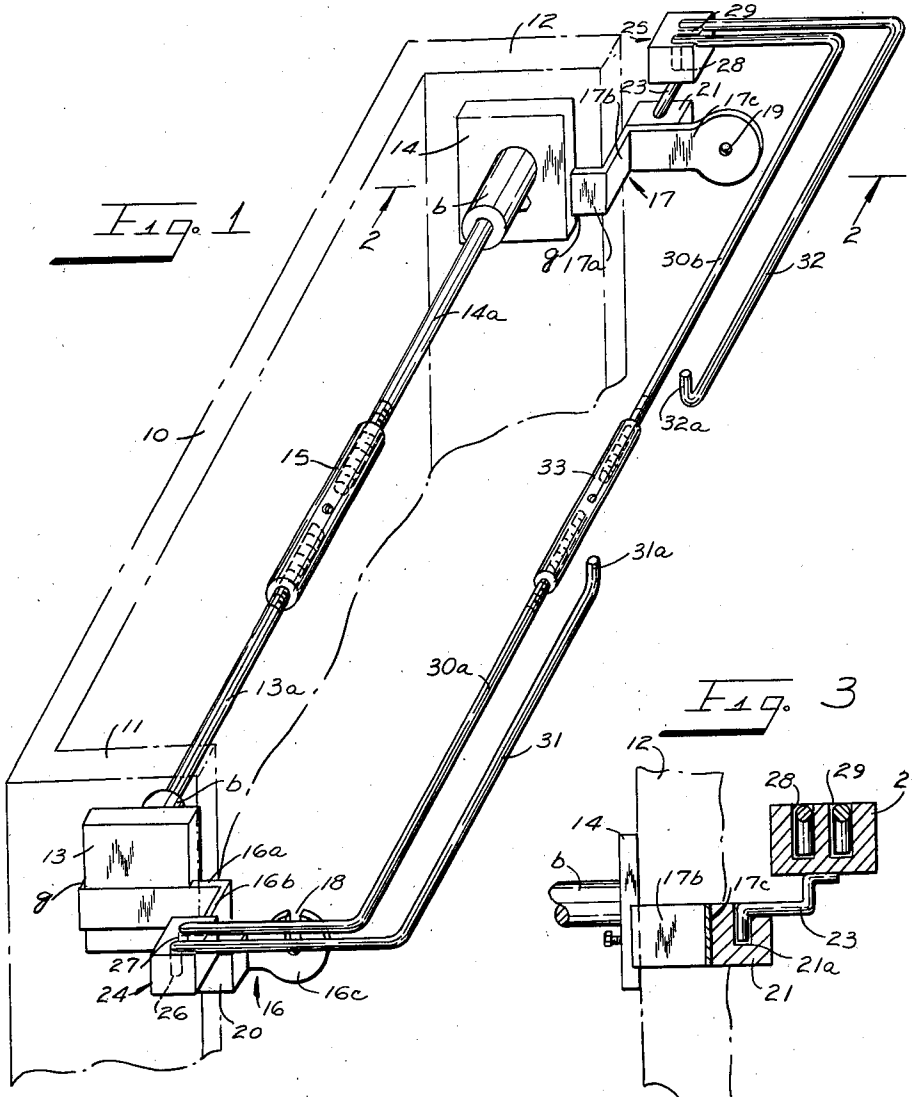
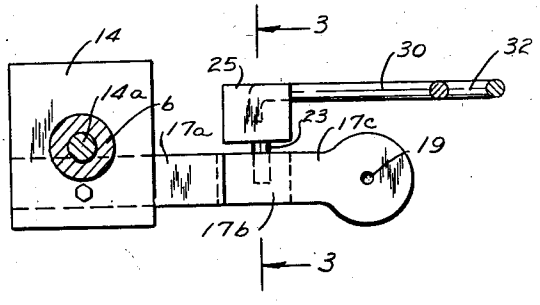


Fig. 3

Fig. 2



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Patented June 28, 1949 2,474,434

UNITED STATES PATENT OFFICE

2,474,434

COMBINED SUPPORT FOR SHADES, CURTAINS, AND DRAPES

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Application October 22, 1946, Serial No. 704,857

5 Claims. (Cl. 160—112)

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This invention relates to adjustable support means for window curtains, draperies, shades and the like.

An object of the invention is to provide simple, practical and efficient means of the above mentioned kind.

Another object of the invention is to provide support means, which may be mounted between the side frames of a window without the employment of screws or nails, thus eliminating the need to mar the window woodwork, and eliminating the time consuming and exasperating operation of mounting separate brackets for curtains, shades and drapes.

Another object of the invention is to provide such a device which can be mounted in a window casing without the employment of any tools.

Another object of the invention is to provide support means adjustable according to the width of the window to which it is applied, whereby the device may be readily transferred from one window to another, and applied to windows of different width.

Another object of the invention is to provide such support means including rod holders into which the rods may be mounted, and from which the rods may be removed without requiring the manipulation of any fastening means.

Another object of the invention is to provide support means comprising a number of parts all of which may be assembled by hand, and from which the curtain rod, or the crane rods, or a shade roller, may be separately detached and removed as a unit, or both the curtain rod and the crane rods may be removed without disturbing the shade roller.

Another object of the invention is to provide improved support means of the above mentioned kind in which the curtain rod and crane rods and the curtain roller are all aligned automatically and without any additional operation, by the single operation of mounting the support means in the desired window frame.

Other objects of the invention will be in part obvious or in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements, arrangements of parts, and in the several steps and relation and order of each of said steps to one or more of the others thereof, all as will be pointed out in the following description, and the scope of the application of which will be indicated in the following claims.

The invention will best be understood if the

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following description is read in connection with the drawings, in which,

Figure 1 is a view in perspective of an embodiment of the invention;

Figure 2 is a vertical section taken on the line 2—2 of Figure 1; and

Figure 3 is a vertical section taken on the line 3—3 of Figure 2.

In the embodiment of the invention illustrated herein the upper portion of a window 10 is indicated, having the side frames 11 and 12. Mounted against the inner faces of side frames 11 and 12 are the blocks 13 and 14 respectively, urged apart, and into frictional contact with the frame members 11 and 12 respectively, by the rods 13a and 14a, projecting inwardly from blocks 13 and 14 and interconnected by the turn buckle 15. The outer ends of the rods 13a and 14a may be received in bosses b extending inwardly from blocks 13 and 14 respectively, and the inner ends of rods 13a and 14a are provided with oppositely inclined screw threads so that the rods 13a and 14a, and accordingly the blocks 13 and 14, may be drawn toward or away from one another by adjustment of turn buckle 15. Preferably the blocks 13 and 14 each have a relatively large face in contact with the window frames 11 and 12 respectively thereby providing firm frictional engagement with the said side frames 11 and 12 respectively, without marring the inner surface of said window frames, when the turn buckle is turned to expand the device so that it is rigidly supported between the side frames of the window.

Projecting forwardly from the blocks 13 and 14 respectively are the brackets 16 and 17. These brackets preferably have intermediate portions 16b and 17b respectively, extending at right angles to the end portions 16a and 16c, and 17a and 17c respectively, the intermediate portions 16b and 17b being adapted to extend outwardly over the front faces of the window frames 11 and 12 respectively.

As illustrated herein the inner ends 16a and 17a of the bracket members 16 and 17 are received in grooves g provided in the outer faces of the blocks 13 and 14 respectively, so that said inner ends 16a and 17a are interengaged between the blocks and the respective window side frames 11 and 12 when the blocks are expanded into frictional engagement with the inner faces of said window side frames respectively.

The forwardly projecting bracket portions 16c and 17c are provided with means for receiving between them, and providing a rotatable mounting for, a shade roller. Thus member 16c is pro-

vided with a vertically extending slot 18 while bracket member 17c is provided with an aperture 19 adapted to receive the trunnions of a shade roller, as will be well understood by those skilled in this art.

Fixed on the outer side of said bracket members 16c and 17c respectively, are block-like lateral extensions 20 and 21 each of which is bored from the top to provide the sockets 20a and 21a for the turned down inner end of the arms 22 and 23 respectively. Each of these arms 22 and 23 has an intermediate horizontally extending portion, and a vertically extending outer portion on which the rod holders 24 and 25 are mounted. Said rod-holders 24 and 25 may also be block-like and each has a plurality of bores extending vertically from the top and adapted to receive the turned down end of a rod, such for example as a curtain rod or a crane rod. As illustrated herein the rod holder 24 has the bores 26 and 27, and the rod holder 25 has the bores 28 and 29. In bores 26 and 27 of rod holder 24 are received the turned down ends of curtain rod member 30a and crane rod 31. In the bores 28 and 29 of rod holder 25 are received the turned down ends of curtain rod member 30b and crane rod member 32. The rods may be interchangeable between the bores.

Curtain rod member 30a projects forwardly from block 24 and then is bent at right angles and projects toward the inner end of rod 30b which is similarly bent so that it has a portion extending forwardly from block 25 and another portion projecting toward, and in substantial alignment with, the inwardly extending portion of rod member 30a. The inner ends of said curtain rod members 30a and 30b are oppositely threaded and are interconnected by the turn buckle 33 so that the curtain rod members 30a and 30b may be shortened or lengthened in accordance with the extent to which the distance between blocks 13 and 14 is increased or decreased.

The crane rods 31 and 32 may be bent similarly to the rod members 30a and 30b, although their forwardly extending portions are preferably longer than the forwardly extending portions of members 30a and 30b so that the inwardly extending portions of said crane rods will be located in front of the rod members 30a and 30b, and in substantial alignment with one another. Preferably the extreme free end 31a of crane 31 may be turned upwardly at right angles, and similarly the extreme free end 32a of crane 32 may be turned upwardly at right angles to provide a stop for draperies supported on the crane members 31 and 32 respectively.

The blocks 24 and 25 may be provided with cut-outs or grooves, formed in the upper surface of said blocks and interconnecting said bores 26 and 27, and 28 and 29 and the outer faces of said blocks respectively, thereby providing grooves adapted to receive the horizontally extending portions of said curtain members 30a and 30b respectively and said crane rod members 31 and 32 respectively, adjacent to their down turned ends and to thus cooperate with the said bores in positioning the rods.

It will be noted that after members 13 and 14 have been expanded against the inner faces of window frames 11 and 12 respectively the remainder of the assembly will be self aligning, in the sense that the parts as they are assembled will assume the alignment derived from the positions of said blocks 13 and 14 respectively. It will also

be noted that the arms 22 and 23 may be lifted out of the bores 20a and 21a in members 20 and 21 respectively leaving only the mounting for the window shade roller, and that the position of the curtain rod members 30a and 30b and of crane rod members 31 and 32 may be interchanged, or either the crane rods or the curtain rod members may be lifted out of the assembly without disturbing the others.

The device as described above may be completely assembled by hand without any tools, and without employing any screws or nails. The width of the whole device may be adjusted for use either in connection with a wide or a narrow window. The device is thus easy and quick to mount in position, and may likewise be demounted easily and quickly, leaving the window frame unmarred.

It will thus be seen that here has been provided by this invention apparatus, in which the various objects hereinabove set forth together with many thoroughly practical advantages are successfully achieved. As various possible embodiments might be made of the mechanical features of the above invention and as the art herein described might be varied in various parts, all without departing from the scope of the invention, it is to be understood that all matter hereinbefore set forth or shown in the accompanying drawing is to be interpreted as illustrative and not in a limiting sense.

What I claim is:

1. A combination bracket for supporting a shade roller, a curtain-rod, and over-drapery cranes comprising, a support member including a turn buckle by which the member may be expanded between the side frames of a window, said member having end blocks adapted to be frictionally engaged against the side frames respectively of a window, brackets supported from said end blocks and projecting forwardly, said brackets including means for mounting a shade roller, arms supported by said brackets and projecting outwardly and upwardly from said brackets respectively, in opposite directions, and each having at its free end a rod holder adapted to receive and engage one end of each of a plurality of rods, a U-shaped curtain rod having ends adapted to engage said holders respectively, said rod being adjustable in length, and cranes swingably supported by said holders respectively and extending from said holders toward one another, in substantially the same plane, in front of the forwardly projecting middle portion of said U-shaped curtain rod.

2. Window curtain support means comprising a variable length member adapted to be frictionally engaged between opposite sides of a window, bracket members disengageably supported from said member and projecting forwardly from said member, said bracket members each having a portion bent outwardly over the front of the window frame, arms disengagingly supported from said bracket members respectively and extending outwardly and upwardly from said bracket members respectively and having at their upper ends means to engage between them one or more rods, and variable length curtain rod adapted to be engaged and supported by said last mentioned means.

3. A combination bracket for supporting a shade roller, a curtain-rod, and over-drapery cranes, comprising a variable length cross member, brackets projecting forwardly from said member, arms projecting outwardly at right an-

gles from said brackets respectively, and each having an end bent upwardly at right angles, rod hangers supported at the top of said ends respectively, and a variable length curtain rod demountably supported between said hangers.

4. A combination bracket for supporting a shade roller, a curtain-rod, and over-drapery cranes, comprising, a variable length cross member, brackets projecting forwardly from said member, arms projecting outwardly at right angles from said brackets respectively, and each having an end bent upwardly at right angles, rod hangers supported at the top of said ends respectively, and a variable length curtain-rod demountably supported between said hangars, and a plurality of crane members supported from said hangers respectively and projecting toward one another in a horizontal plane.

5. A combination bracket for supporting a shade roller, a curtain-rod, and over-drapery cranes, comprising, a variable length cross member, brackets projecting forwardly from said

member at right angles, arms projecting outwardly at right angles from said brackets respectively, and each having an end bent upwardly at right angles, rod hangers supported at the top of said ends respectively, and a variable length curtain-rod demountably supported between said hangars, and a plurality of crane members supported from said hangars respectively and projecting toward one another in a horizontal plane, said brackets being adapted to support a shade roller below and to the rear of said curtain rod.

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