

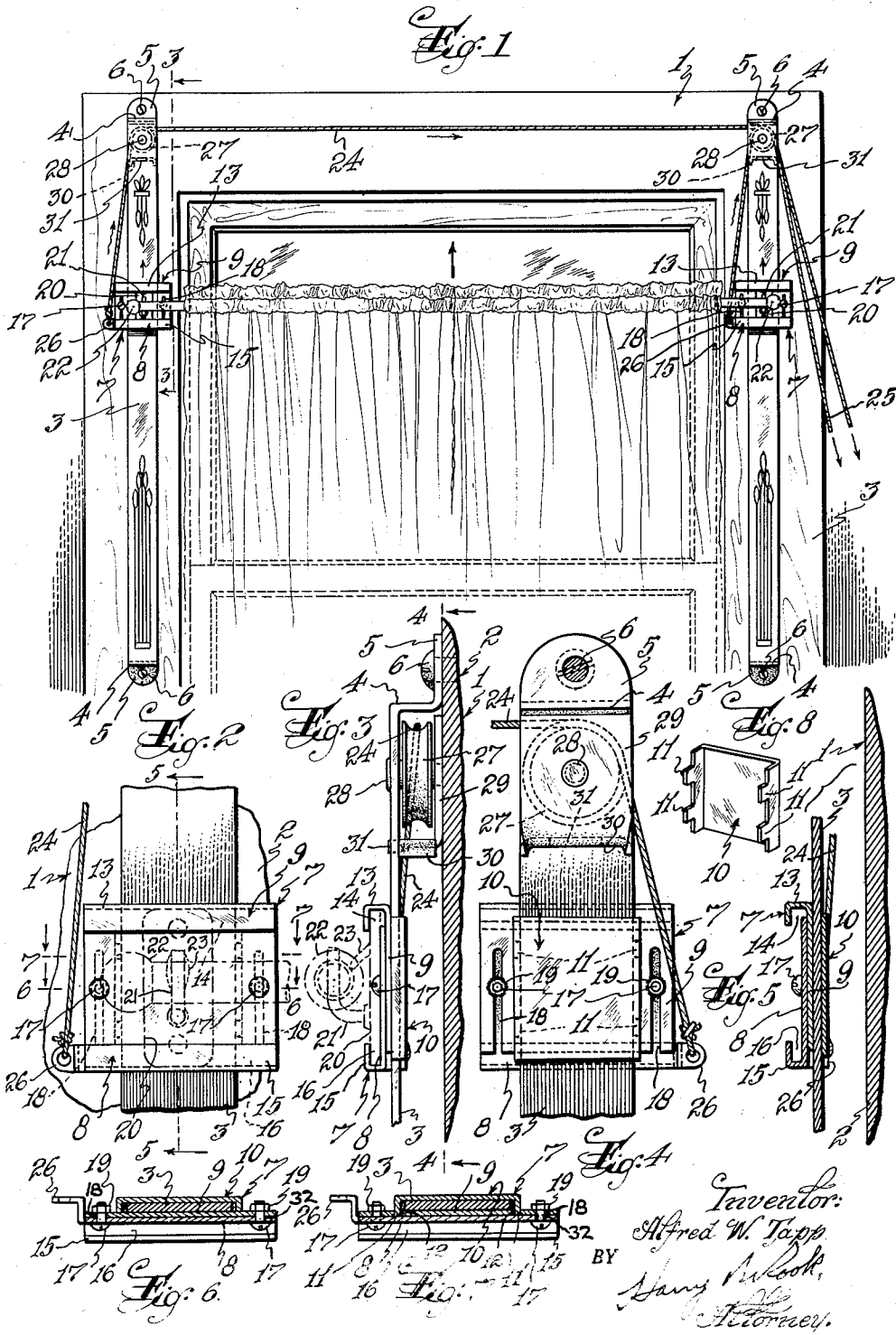
Aug. 21, 1951

A. W. TAPP

2,565,280

CURTAIN ROD HANGER

Filed June 15, 1949



UNITED STATES PATENT OFFICE

2,565,280

CURTAIN ROD HANGER

Alfred W. Tapp, Jersey City, N. J.

Application June 15, 1949, Serial No. 99,219

3 Claims. (Cl. 211-103)

1

2

This invention relates to curtain rod hangers. A prime object of the present invention is to provide a hanger or fixture for a curtain rod whereby the rod may be hung without the necessity of climbing upon a chair or ladder for the purpose.

Another object is to provide a hanger that is adjustable vertically so that the householder may quickly and easily slide the hanger up and down to any desired position with little time and effort.

Another object is to provide a hanger that is adapted to receive curtain rod brackets of ordinary construction and of various sizes.

Another object is to provide a hanger of this kind that is simple and rugged in construction, economical to manufacture and efficient in use.

Broadly the invention comprises an elongated plate mounted on each side of a window frame, a cooperating slide carriage associated therewith for supporting a curtain rod bracket and curtain rod and pull cords for manipulating said carriage.

In the drawing,

Figure 1 is a view of the inside of the upper portion of a window with my improved hangers mounted thereon and with a curtain rod and curtain in partially raised position.

Figure 2 is an enlarged front view of the slide carriage with a curtain rod bracket and curtain rod shown in dotted lines.

Figure 3 is a vertical sectional view taken on the plane of the line 3-3 of Figure 1.

Figure 4 is a vertical sectional view taken on the plane of the line 4-4 of Figure 3.

Figure 5 is a vertical sectional view taken on the plane of the line 5-5 of Figure 2.

Figure 6 is a cross sectional view taken on the plane of the line 6-6 of Figure 2.

Figure 7 is a cross sectional view taken on the plane of the line 7-7 of Figure 2.

Figure 8 is a perspective view of the rear plate of the slide carriage.

In the drawing there is shown the upper portion of a window frame 1, on each of the side elements 2 of which is mounted an improved hanger or fixture. The hanger comprises an elongated supporting plate or strip 3 bent at opposite ends as indicated at 4 to provide a perforated bracket portion 5 for receiving a fastening screw 6 whereby it is secured to the window frame and whereby the main portion of the plate is spaced outwardly from the window frame.

Carriage members 7 are slidably mounted on the plates 3. Each carriage member consists of a pair of front overlapping plate members 8

and 9 and a rear channel-shaped plate member 10 spaced therefrom to provide a space for slidably receiving the supporting plate 1 therebetween. Rear plate 10 is secured to the plate 9 by means of studs 11 projecting therefrom and extending through slots 12 in plate 9. Plate 9 is formed with a forwardly and downwardly extending flange 13 at its upper end providing a U-shaped groove 14, and plate 8 is formed with a forwardly and upwardly extending flange 15 at its lower end providing a similar shaped groove 16. Bolts 17 passing loosely through holes 32 in plate 8 and through aligned slots 18 in plate 9 connect said plates and permit relative up and down sliding movements therebetween and the plates are held in adjusted position by nuts 19 on the bolts.

The plates 8 and 9 with their flanged portions form a support for any of the ordinary types of curtain rod brackets. In the drawing this bracket takes the form of a plate member 20 having a hook 21 adapted to extend through a transverse opening adjacent the end of an ordinary curtain rod 22 and with a forwardly and downwardly extending resilient tongue 23 for holding the curtain rod against displacement. The upper and lower edges of the bracket are seated in the grooves 14 and 16 of the plates 8 and 9, respectively. The adjustment of the plates permits the distance between the grooved flanges to be adjusted so that curtain rod brackets of varying sizes may be accommodated.

The carriage members are raised by pull cords 24 and 25. Cord 24 has one end fastened to a perforated ear portion 26 formed on the flanged portion of plate 8 mounted on the left hand side of the window frame as viewed in Figure 1 and passes over a sheave 27 supported on a shaft 28 extending between the supporting plate 1 at a point adjacent its upper end and a plate member 29 secured to the window frame opposite said point. Plate member 29 has a forwardly extending flange 30 along its lower end extending across the space between said plate 3 and the window frame. A lug 31 on flange 30 projects through a slot in plate 3 and is secured thereto. The side edges of flange 30 are bent inwardly to provide clearance for passage of the cord 24. From sheave 27 the cord 24 passes to the right hand side of the window frame where it passes over the sheave 27 on the hanger on the right hand side of the window frame and thence downwardly to the lower end of the window frame.

Cord 25 is similarly fastened to the hanger on the right hand side of the window frame and

3

passes upwardly and over the sheave 27 thereabove and thence downwardly to the lower end of the window frame.

Thus it will be seen that the carriage members 7 with the curtain rod mounted thereon may readily be raised by pulling simultaneously on the cords 24 and 25. The carriage members may be held in their uppermost position or at any point intermediate the fully raised or the fully lowered position by fastening the lower free ends of the pull cords to any suitable device (not shown) fixed on the side elements 2 of the window frame. In order to lower the carriage members with their curtain rod, it is only necessary to release the lower free ends of the cords whereupon the carriage members will slide downwardly by gravity.

Changes in details of construction may be made without departing from the principle of the invention.

What I claim is:

1. A curtain fixture wherein there is an elongated supporting bar adapted to be secured along the top portion of each side element of a window frame, a carriage member slidably mounted on each bar and means for manipulating said carriage members, each carriage member including a pair of front overlapping plates movable relative to each other and connected to a rear plate spaced therefrom providing a space for slidably receiving the adjacent supporting bar, and means on said front plates for removably and adjustably supporting a curtain rod bracket.

2. A curtain fixture wherein there is an elongated supporting bar adapted to be secured along the top portion of each side element of a window frame, a carriage member slidably mounted on each bar and means for manipulating said carriage members, each carriage member including a pair of front overlapping plates movable relatively to each other and connected to a rear plate

4

spaced therefrom providing a space for slidably receiving the adjacent supporting bar, and opposed angular flanges on said overlapping plates providing U-shaped grooves for removably and adjustably receiving a curtain rod bracket.

3. A curtain fixture wherein there is an elongated supporting bar adapted to be secured along the top portion of each side element of a window frame, a carriage member slidably mounted on each bar and means for manipulating said carriage members, each carriage member including a pair of front overlapping plates movable relatively to each other and connected to a rear plate spaced therefrom providing a space for slidably receiving the adjacent supporting bar, a flange on the bottom end of one of said plates providing a groove, and a flange on the upper end of the other of said plates providing a groove, said grooves facing each other and being adapted to removably receive a curtain rod bracket.

ALFRED W. TAPP.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
642,247	Morris et al.	Jan. 30, 1900
1,333,326	McLean	Mar. 9, 1920
2,026,388	Jenal	Dec. 31, 1935
2,193,200	Menutole	Mar. 12, 1940
2,480,438	Bergman et al.	Aug. 30, 1949
2,490,890	Trimarchi	Dec. 13, 1949

FOREIGN PATENTS

Number	Country	Date
469,137	Germany	June 9, 1927
667,675	France	June 24, 1929