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 loosen through holes 22 in plate 8 and through aligned slots 18 in plate 9 connect said plates and permit relative up and down sliding movements therewith 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 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
passes upwardly and over the sheave 27 there-
above and thence downwardly to the lower end
of the window frame.
Thus it will be seen that the carriage members
1 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 car-
riage 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 elon-
gated 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 manipulat-
ing said carriage members, each carriage member
including a pair of front overlapping plates mov-
able 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 remov-
ably and adjustably supporting a curtain rod
bracket.
2. A curtain fixture wherein there is an elon-
gated 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 car-
rriage members, each carriage member including
a pair of front overlapping plates movable rela-
tively to each other and connected to a rear plate
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 remov-
ably and adjustably receiving a curtain rod
bracket.
3. A curtain fixture wherein there is an elon-
gated 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 car-
rriage members, each carriage member including
a pair of front overlapping plates movable rela-
tively 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

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>642,247</td>
<td>Morris et al.</td>
<td>Jan. 30, 1900</td>
</tr>
<tr>
<td>1,333,326</td>
<td>McLean</td>
<td>Mar. 9, 1920</td>
</tr>
<tr>
<td>2,268,690</td>
<td>Jenal</td>
<td>Dec. 31, 1935</td>
</tr>
<tr>
<td>2,193,200</td>
<td>Menutol</td>
<td>Mar. 12, 1940</td>
</tr>
<tr>
<td>2,400,438</td>
<td>Bergman et al.</td>
<td>Aug. 30, 1949</td>
</tr>
<tr>
<td>2,490,090</td>
<td>Trimarchi</td>
<td>Dec. 13, 1949</td>
</tr>
</tbody>
</table>

FOREIGN PATENTS

<table>
<thead>
<tr>
<th>Number</th>
<th>Country</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>469,137</td>
<td>Germany</td>
<td>June 9, 1927</td>
</tr>
<tr>
<td>667,675</td>
<td>France</td>
<td>June 24, 1929</td>
</tr>
</tbody>
</table>