No. 676,710. Patented June 18, 1901.

V. V. YOST.

CURTAIN ADJUSTER.

(No Model.) (Application filed Oct. 19, 1900.)

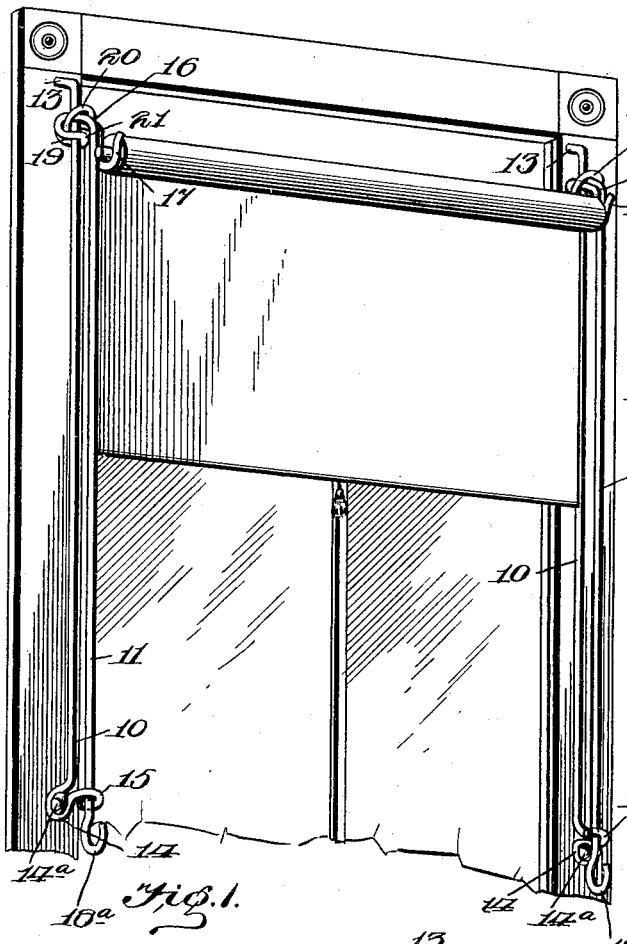

Fig. 1.

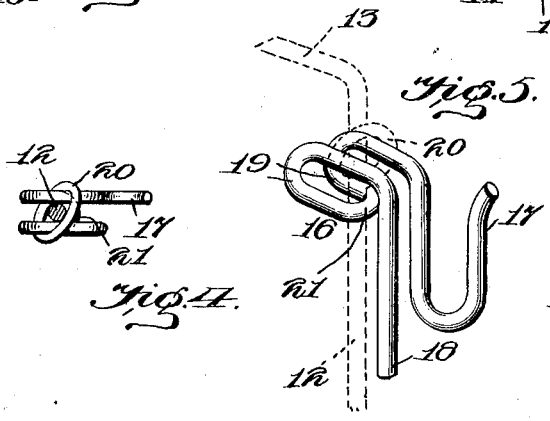

Fig. 5.

Fig. 4.

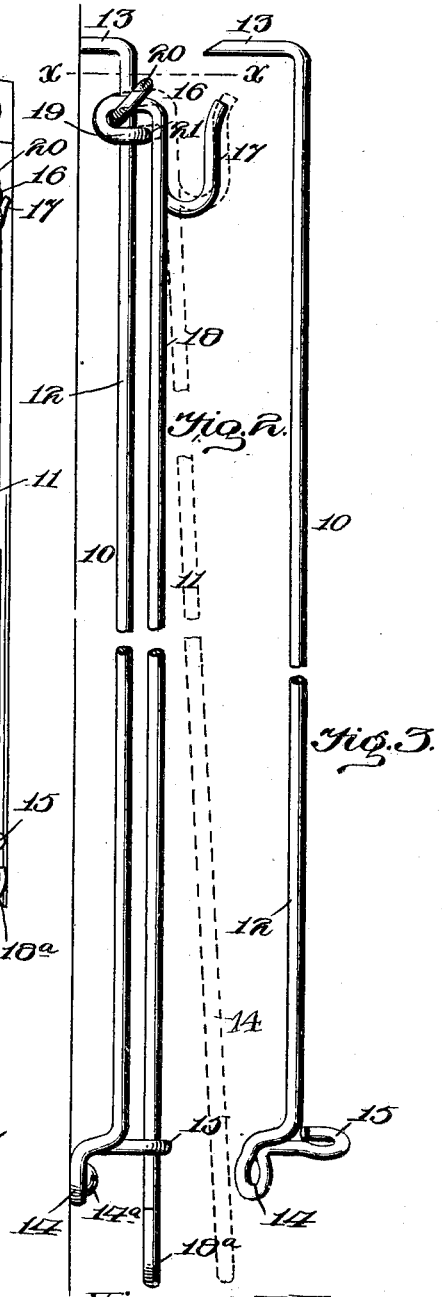

Fig. 2.

Fig. 3.

Witnesses
Geo. A. Byrne
B. L. Foster.

Vincent V. Yost.
Inventor

By E. G. Siggers
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

VINCENT VICTOR YOST, OF COFFEYVILLE, KANSAS, ASSIGNOR OF TWO-THIRDS TO JASPER N. SWISHER AND ISAAC C. SWISHER, OF SAME PLACE.

CURTAIN-ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 676,710, dated June 18, 1901.

Application filed October 19, 1900. Serial No. 33,588. (No model.)

To all whom it may concern:

Be it known that I, VINCENT VICTOR YOST, a citizen of the United States, residing at Coffeyville, in the county of Montgomery and State of Kansas, have invented a new and useful Curtain-Adjuster, of which the following is a specification.

The present invention relates to curtain fixtures; and the object thereof is to provide means whereby the entire curtain may be lowered from the top of the window for the purposes of ventilation and admission of light.

More particularly the invention provides a guide-rod arranged upon the side of a window-frame and a novel curtain-supporting device slidably mounted on said rod and including a clamp or clutch arranged to frictionally engage the guide-rod and hold the curtain at any height desired.

In order that the invention may be readily understood, the preferred form thereof has been described in the following specification and illustrated in the drawings which accompany and form a part of the same; but it is to be understood that the construction as shown and described may be changed and modified within the scope of the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a window, showing a pair of the curtain-supporting devices in operative position on the frame of the same. Fig. 2 is a side elevation, on an enlarged scale, of one of the supporting devices. Fig. 3 is a detail perspective view of the guide-rod. Fig. 4 is a cross-sectional view taken on the line $x\ x$ of Fig. 2. Fig. 5 is a detail perspective view of the clamping-head.

Similar reference-numerals designate corresponding parts in the several figures of the drawings.

The invention, as shown, comprises a guide element (designated 10) and a supporting element slidably mounted upon the guiding element and designated as a whole by the numeral 11. The guide element 10 preferably comprises a rod 12, adapted to be secured vertically to the side of a window-frame by having its upper end bent at right angles, forming a spur 13, which is driven into said frame, and being bent contiguous to its lower end to form an eye 14, through which a securing-screw 14^a is passed. A projecting retaining-hook 15 is also arranged at the lower end of the guide-rod, preferably by bending the end of said rod into proper form. The supporting element 11 comprises a clamping-head 16, slidably mounted upon and arranged to frictionally engage or clutch the guide-rod, said head being provided with a curtain-supporting hook 17. An adjusting-rod 18 is associated with the head and is provided at its lower end with a handle 18^a, arranged in convenient relation for the operator. The clamping-head 16 is in the form of an open bifurcated clutch-loop forming a pair of guide-arms 19, that stride or embrace the guide-rod 12, these arms projecting beyond the inner face of said guide-rod and being connected by a key 20, whereby said clamping-head is secured upon the rod. These several elements, with the exception of the key, are preferably formed of a single piece, the upper end of the adjusting-rod 18 being bent to provide the guide-arms 19, in the form of depending parallel loops, the connecting portion forming a clamp-bar 21, arranged to frictionally engage or clutch upon the guide-rod. The upper end of the piece is then bent to form the curtain-supporting hook 17. The key 20 in the construction shown is in the form of an open split ring, which is passed through the guide-loops and around the guide-rod 12 above the upper end of the clamp-head 16 and its ends brought together. It thus forms a fulcrum upon which the adjusting-head may be oscillated to release the clamp-bar 21 from engagement with the guide-rod. By constructing the head in the form of an open bifurcated clutch-loop it will be observed that it may be applied to the guide-rod after the latter is placed in proper position upon the window-frame, thus obviating the necessity of first threading the head upon the rod, as would be necessary were the clamping-head made in the form of a closed ring.

In use a pair of the devices are provided, one being arranged upon each side of the

window, and the ends of the curtain-roller are placed in the respective hooks. By holding the adjusting-rods 17 at an angle to the guide-rods 12, as shown in dotted lines in Fig. 2, there will be no binding engagement of the clamping-heads, and the curtain may be raised to the desired height. The guide-rods are then engaged under the retaining-hooks 15, which action will bring the clamp-bar 19 and the key 20 into binding engagement with the guide-rod, and thus clamp the support in the desired position. Thus it will be seen that a very inexpensive and efficient device is provided that will support a curtain at any height desired in order to permit the free circulation of air and admission of light above the same.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description, and it will be understood that changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. In a support of the class described, the combination with a guide-rod, of a supporting element slidably associated with the guide-rod, a clutch carried by the supporting element and adapted to engage the guide-rod to hold said supporting element against movement, and a retaining-key engaging the rod and the supporting element to hold the latter in operative relation with the former.

2. In a support of the class described, the combination with a guide-rod, of a clutch-loop slidably mounted upon the guide-rod and having a pair of guide-arms that embrace said guide-rod, means connecting said arms to secure the clutch-loop to the guide-rod, and curtain-supporting means carried by said clutch-loop.

3. In a support of the class described, the combination with a guide-rod, of an open bifurcated clutch-loop slidably mounted upon and striding the guide-rod, a key connecting the arms formed by the bifurcation of the clutch-loop to secure the clutch-loop to the guide-rod, and curtain-supporting means carried by the clutch-loop.

4. In a support of the class described, the combination with a guide-rod, of an open bifurcated clutch-loop slidably mounted upon and striding the guide-rod, a key connecting the arms formed by the bifurcation of the clutch-loop to secure the clutch-loop to the guide-rod, a curtain-supporting hook carried by the clutch-loop, and an adjusting-rod connected to the clutch-loop.

5. In a support of the class described, the combination with a guide-rod, of a clutch-loop slidably mounted upon the guide-rod and formed of a single piece bent to form a pair of guide-arms that stride the guide-rod, and means connecting said guide-arms for securing the loop upon the guide-rod.

6. In a support of the class described, the combination with a guide-rod, of a supporting element slidably mounted upon the guide-rod, and comprising an adjusting-rod, the upper portion of which is bent to form a pair of guide-arms that stride the guide-rod, the end being formed into a curtain-supporting hook, and a key connecting the guide-arms to retain the supporting element in operative relation to the guide-rod.

7. In a support of the class described, the combination with a guide-rod having a hook at its lower end, of a supporting element slidably mounted upon the guide-rod and comprising an adjusting-rod adapted to be engaged under said hook, the upper portion of said adjusting-rod being bent to form a pair of guide-loops that stride the guide-rod and having its end bent into a supporting-hook, and an open ring passed through the guide-loop and about the guide-rod.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

VINCENT VICTOR YOST.

Witnesses:
J. W. BRIDGES,
CHAS. FRANKLIN.