(No Model.)

D. DAVIS.

CURTAIN HANGER.

No. 458,019. Patented Aug. 18, 1891.

Fig. 1.

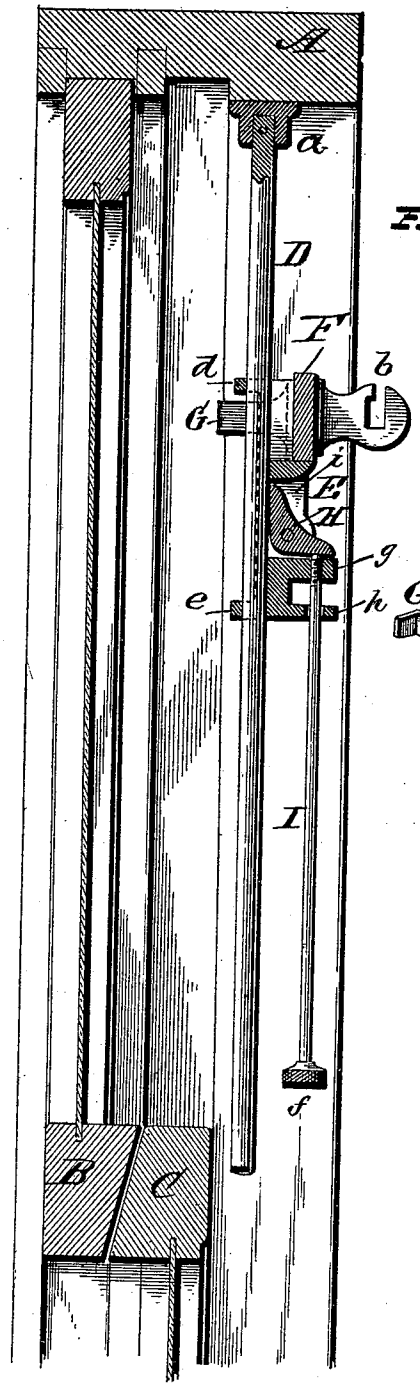
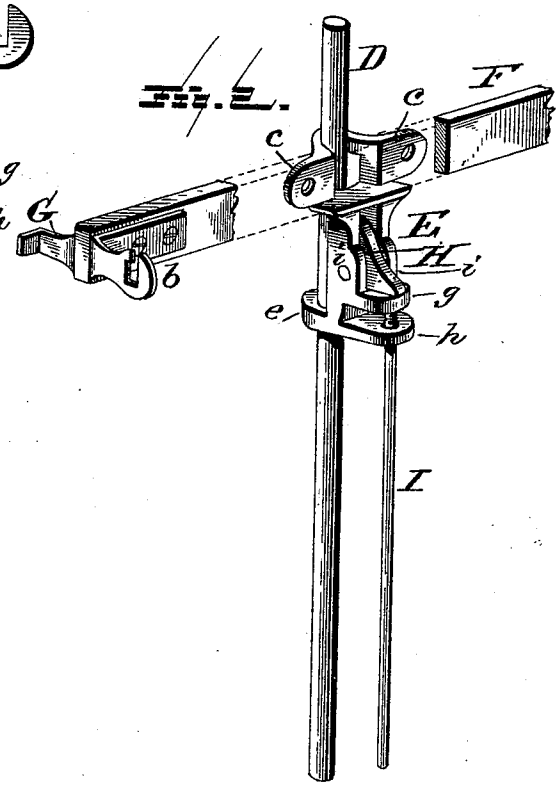


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

DANIEL DAVIS, OF ELMIRA, NEW YORK.

CURTAIN-HANGER.

SPECIFICATION forming part of Letters Patent No. 458,019, dated August 18, 1891.

Application filed October 22, 1890. Serial No. 368,906. (No model.)

To all whom it may concern:

Be it known that I, DANIEL DAVIS, a citizen of the United States, residing at Elmira, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Curtain-Hangers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has relation to that class of window-curtain hangers for which a patent was granted to me November 26, 1889, No. 415,833, and is designed as an improvement thereon; and it consists in the several details of construction, substantially as shown in the drawings, and hereinafter described and claimed.

Figure 1 represents a sectional elevation of a window frame and sashes with my invention applied thereto, and Fig. 2 a detail view in perspective of the hanger and its attachments.

In the accompanying drawings, A represents a window-frame, and B C the upper and lower sashes, respectively, which are of any of the usual forms and construction.

To the under side of the upper end of the window-frame is secured a suitable socket-plate *a* to receive the end of a vertical rod D, of any desirable length and connected to the plate in any well known and desirable manner, or, if found preferable, the rod may be provided with a suitable head, or other means may be employed to connect the rod to the window-frame. A bracket E is adjustably and removably connected to the rod D, and to this bracket at its upper end is connected the roller-bar F, and to the ends of this bar are suitably attached the supports or brackets *b* for the ends of the curtain-roller, which are of the ordinary construction. The bar F is provided at or near its ends with suitable guides G, which are so placed with relation to the ends of the bar and are of such construction as to have their ends run in the channels above the lower sash and close to the front moldings and form guides to prevent the bar F from swinging out of line and to hold it in a true parallel line with the window. These guides G are not always required, except when the shade or curtain is narrow and is hung back between the casing and close to the window, as would be the case mostly in deep jambs in brick houses and other like structures. The bracket E has ears *c* for attaching thereto by suitable screws, the bar F, or any other well-known means may be employed for attaching the bar to the bracket, as found preferable. The bracket E has eyes *d e*, through which passes the guide-rod D, said bracket being adjustable thereon to raise or lower the curtain, and held in its adjusted position by the friction-pawl H, which is held in frictional contact with the rod D by the screw-rod I. The rod I has a thumb-piece *f* at its lower end for turning it, and the upper end is screw-threaded, as shown, which threads engage with a screw-threaded hole in a flange *g* upon the bracket. The bracket has a second flange *h* below the flange *g* and on line therewith and has a hole through which the rod I passes, the hole being somewhat larger than the diameter of the rod, so as to admit of said rod working freely and without binding and preventing the danger of the screw-threaded end of the rod being bent or broken off by any lateral pressure upon the lower end of the rod, said lower flange acting as a guide for the rod. The friction-pawl H is pivoted to the bracket between the two walls *i* thereof, said walls also acting as strengthening-plates to the bracket. When the shade or curtain is hung to run so as to project over the front of the frame each way, the socket-plate at the top of rod D is screwed to lower front edge of face-casing, so that the bar F is flush with the face of the casing, being of such length as to move freely upon the rod, and the brackets or supports *b* for the ends of the roller are of sufficient length so that when connected to the bar they will project out a sufficient distance to receive the curtain or shade roller between them. The shade or curtain roller will therefore be brought close to the window and allows the ends of the bar F to abut against the inner edge of the casing, which prevents the shade or curtain from swinging sidewise.

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

1. In a curtain-hanger, the combination, with a guide-rod and a sliding bracket sup-

ported thereby, and a bar for supporting the curtain or shade roller, connected to said bracket, of a friction-pawl pivoted to the bracket and a screw-rod for operating it, said rod being independent of the friction-pawl, substantially as and for the purpose set forth.

2. In a curtain-hanger, the combination, with a guide-rod, a sliding bracket supported thereby, and means for holding said bracket in its adjusted position upon the rod, of a pivoted friction-pawl and a screw-rod for operating it independent thereof, the screw-threaded end of the rod engaging a screw-threaded hole in a flange upon the bracket, said rod also passing through a guide-flange, substantially as and for the purpose described.

3. In a curtain-hanger, the combination, with a guide-rod and a sliding bracket adjustable thereon, of a bar for supporting the curtain or shade roller, and guides consisting of angle-plates extending beyond the ends of the bar and adapted to extend into the channels at the sides of the window-frame above the lower sash and close to the front moldings, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DANIEL DAVIS.

Witnesses:
EDGAR DENTON,
H. H. MILLS.