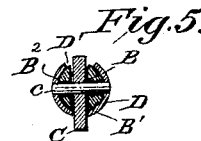
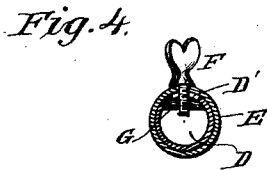
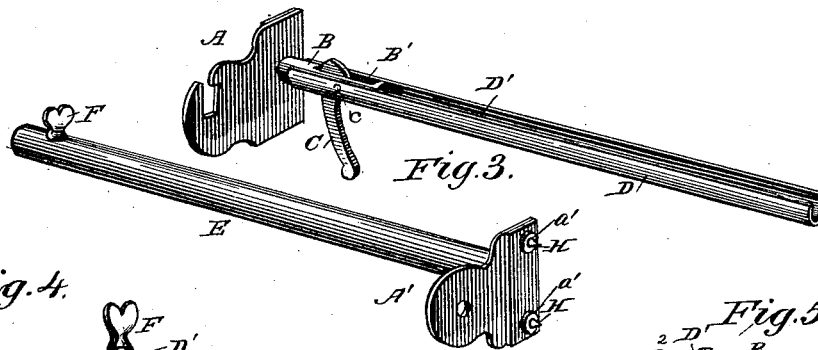
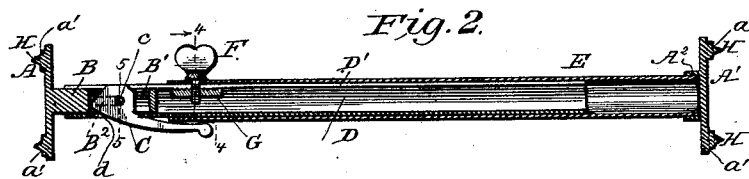
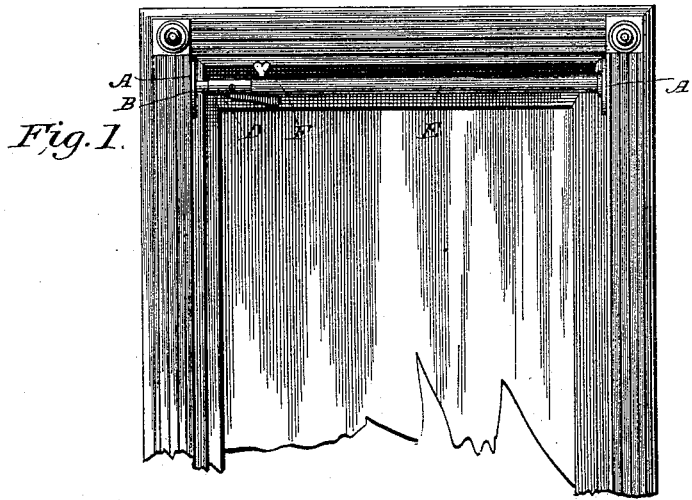


(No Model.)

E. M. WYANT.
EXTENSION ROD FOR WINDOW CURTAINS.

No. 420,486.

Patented Feb. 4, 1890.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ELI M. WYANT, OF WATERLOO, IOWA.

EXTENSION-ROD FOR WINDOW-CURTAINS.

SPECIFICATION forming part of Letters Patent No. 420,486, dated February 4, 1890.

Application filed April 15, 1889. Serial No. 307,366. (No model.)

To all whom it may concern:

Be it known that I, ELI M. WYANT, of Waterloo, in the county of Black Hawk and State of Iowa, have invented a new and useful Improvement in Extension-Rods for Window-Curtains, of which the following is a specification.

My invention consists in a new and improved extension-rod for window-curtains, which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 shows my new and improved extension-rod secured in position in a window. Fig. 2 is a longitudinal vertical sectional view of my invention. Fig. 3 is a perspective view showing the two sections of the rods separated. Fig. 4 is a transverse vertical sectional view taken on the plane indicated by line 4 4 of Fig. 2, and Fig. 5 is a similar sectional view taken on line 5 5 of Fig. 2.

The same letters of reference indicate corresponding parts in all the figures.

Referring to the several parts by letters, A indicates one of the brackets which receive the ends of the curtain-roller, this slotted bracket being cast or provided with a short shaft B, extending at right angles from its inner face, as shown, and formed with a longitudinal vertical slot B' and a longitudinal horizontal slot B² bisecting the vertical slot. In this vertical slot B' plays the head of a cam-lever C, which is pivoted in the end of a tubular rod D, the ends of the lever-pivot c passing through the side slots B², while the handle of the lever is passed through a slot d in the shaft. The shaft B is of such size that it fits and slides in the end of the tubular rod D. The other bracket A', which has the usual hole for the end of the curtain-roller, is formed on its inner face with a thimble A², in which fits the end of a tubular rod E, which is soldered or otherwise secured therein. This tubular rod E is of such size that the rod D will fit and slide snugly therein, and the rod E is provided near its free end with a thumb-screw F, having on its inner end a nut G, the upper face or side of which is roughened or formed with a series of small projections.

The upper side of the smaller tube D is formed with a longitudinal slot D', so that when the free end of the tube is inserted in the tube E the screw F will slide in this slot

with the roughened nut G inside of the smaller tube. It will be seen that by this construction that the rod D can be adjusted in the rod E to make the rod the exact length desired, when by turning the thumb-screw the nut G will be drawn up until its roughened side presses tightly against the inner surface of the rod D, when the free ends of the rods will be held firmly together, the roughened face of the nut preventing any slipping of the parts.

The outer side of each bracket A A' is formed with a raised boss a' to overcome any unevenness which may occur in casings or frames to which the brackets are applied, and from this boss project points or sharp projections H H. The slot B' of the shaft B extends from the inner face of the bracket A.

In placing the brackets in position the handle of the cam-lever is allowed to drop down and the shaft B is slid in the rod D until the end of the rod comes in contact with the bracket. The length of the rod is adjusted, as above described, so that it will just fit in the sash or window-casing or doorway where it is to be used, when the lever-handle is pressed up by the thumb, when the head of the cam, bearing directly against the bracket A, will force the shaft B out, as shown, thus forcing the sharp projections H on both brackets into the wood, firmly securing the brackets in position. The pressure on the cam-head will hold the cam firmly in its locked position.

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

The combination of the tubular rod E, having secured to its outer end the bracket A', formed with the projections H and having near its inner end the thumb-screw F and clamping-nut G, the bracket A, formed with the projections H and having the short shaft B, formed with the longitudinal bisecting slots B' and B², and the tubular rod D, formed with the long slot D' and the short slot d and having the cam C pivoted within it, substantially as and for the purpose set forth.

ELI M. WYANT.

Witnesses:

FREE HIGGINS,
J. E. WYANT.