

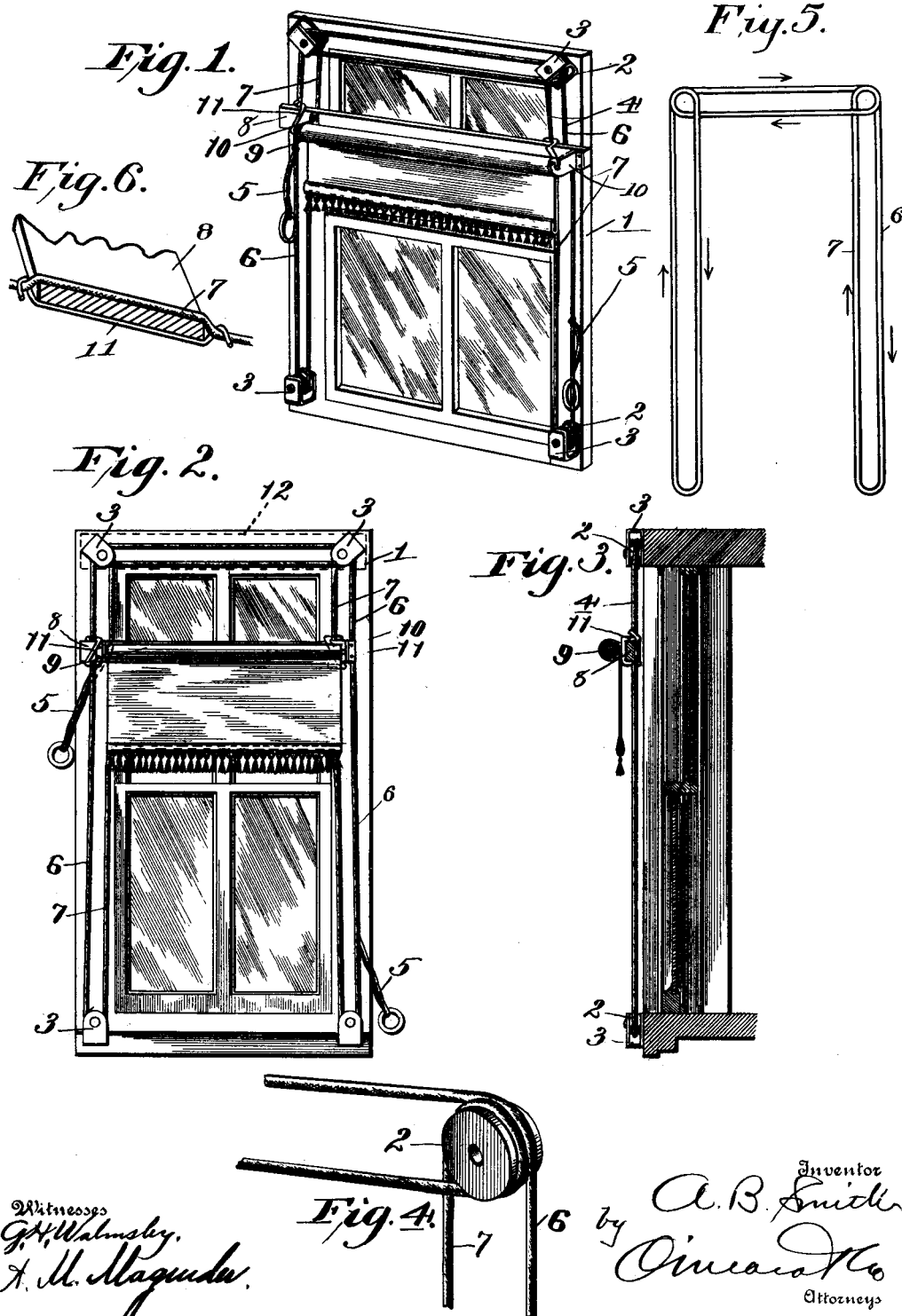
No. 675,982.

Patented June 11, 1901.

A. B. SMITH.
CURTAIN FIXTURE.

(Application filed Aug. 21, 1900.)

(No Model.)



Witnesses
G. H. Walmsley,
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Fig. 4.

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UNITED STATES PATENT OFFICE.

ALVA B. SMITH, OF MEMPHIS, TENNESSEE, ASSIGNOR, BY MESNE ASSIGNMENTS, OF TWO-THIRDS TO HENRY POSERT AND EMIL WITZMANN, OF SAME PLACE.

CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 675,982, dated June 11, 1901.

Application filed August 21, 1900. Serial No. 27,555. (No model.)

To all whom it may concern:

Be it known that I, ALVA B. SMITH, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented a new and useful Curtain-Fixture, of which the following is a specification.

My invention relates to curtain-fixtures, and has for its object to produce a device of this kind by means of which the curtain may be quickly and positively adjusted from the top or bottom of the window and retained in its adjusted position; and it consists in the improved construction and novel arrangement of parts of a curtain-fixture, as will be hereinafter more particularly set forth.

In the accompanying drawings, in which the same reference-numerals indicate corresponding parts in each of the views in which they occur, Figure 1 is a perspective view of a window equipped with one of my improved curtain-fixtures. Fig. 2 is a front elevation of the same. Fig. 3 is a vertical sectional view. Fig. 4 is an enlarged perspective view of one of the rollers at the top of the window and the cords thereon. Fig. 5 is a diagrammatic view of the cords, and Fig. 6 is a broken perspective detail view.

Referring more particularly to the drawings, 1 indicates the window-casing, which may be of any ordinary size and construction.

2 indicates a pulley, one of which is secured at each corner of the casing and is preferably provided with a U-shaped shield or casing 3. Passing over these pulleys is an endless cord 4, which may be provided with branch cords 5 for convenience in manipulating the curtain. The cord simply passes under the pulleys at the bottom of the casing, but is wrapped once around each of the upper pulleys, the part 7 coming upward from one of the lower pulleys 3 to the in or window side of one upper pulley 3, being wrapped once around it and passing thence from its under side across the window to the under side of the opposite upper pulley, being wrapped around that once and descending on the inner side to the corresponding lower pulley, thence under same and back as part 6 to the upper pulley, thence over this, across the window, over the other upper pulley, and down as part 6 to the

point of beginning. In this manner the cord passes twice over each of the top pulleys, the parts traveling in opposite directions, yet without any friction, and once over the bottom pulleys. By arranging the cord in this manner it passes between the pulleys at the sides and across the top in parallel oppositely-moving sections, but does not cross the bottom of the window. It will be noted, too, that only one roller is used at each upper corner, that this is of sufficient length to accommodate two parts of the cord, and that the cord passing completely around it once compels its movement, and therefore insures that it will always remain free to move and will require movement of the parts of the cord in unison.

Secured at its ends to the outer and inner parts 6 and 7 of the cord, respectively, upon opposite sides of the window is a bar 8, upon which the curtain-roller 9 is mounted in suitable brackets 10, so as to permit of the curtain being raised or lowered at the bottom in the usual manner. Although the bar or slat 8 can be secured to the cord in any suitable manner, yet I have found it convenient to use a clamp 11, which is formed from a single piece of wire with its ends bent at an angle and hooked, so that the ends of the clamp can be slipped over the sides of the bar and the rope passed through the hooks.

If desired, the pulleys at the top of the window may be secured to a separate strip 12, (shown only in dotted lines in Fig. 2,) which may be secured to the window-casing in any suitable manner, and other changes may be made without departing from the spirit of my invention, and I reserve the right to make such changes and alterations.

In using my improved curtain-fixture the cord is passed around the pulleys and the pulleys secured to the casing by means of nails or screws, the fasteners forming bearings for the pulleys. The shade-bar is then secured to the cord by the clamps and the branch cords also secured in position. The shade is placed in the brackets on the bar and properly adjusted by the cords and also by means of the roller, on which it is wound. When it is desired to lower the shade at the top, the branch that is secured to the outer

part of the cord at one side of the window is pulled downward, thus raising the opposite outer part of the cord and the branch 5, attached thereto. If it is desired to raise the shade, this branch is pulled downward. In this manner a downpull on either one of the branches will raise or lower the shade at the top, according to which strand is pulled. After the top of the shade has been adjusted the lower edge can be adjusted in the ordinary manner.

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

15 In a curtain-fixture, the combination with a single upper and single lower pulley on each side of the window, of an endless cord, passing under the lower pulley on one side thence

upward to the in or window side of the corresponding upper pulley, being wrapped once around same, passing thence across the window, being then wrapped once around the opposite top pulley, passing thence downward under the lower pulley and up again parallel to itself, over each of the top pulleys and thence downward to the first pulley mentioned, a bar secured at its ends to one inner and one outer section of the cord at opposite sides of the window, said bar having means thereon of attaching the curtain-roller, substantially as shown and described.

ALVA B. SMITH.

Witnesses:

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