No. 673,385. Patented May 7, 1901.

# J. M. CONNOR.

## COMBINED CURTAIN SUPPORT AND WINDOW SHADE HANGER.

(Application filed Feb. 2, 1901.)

(No Model.) 2 Sheets—Sheet 1.

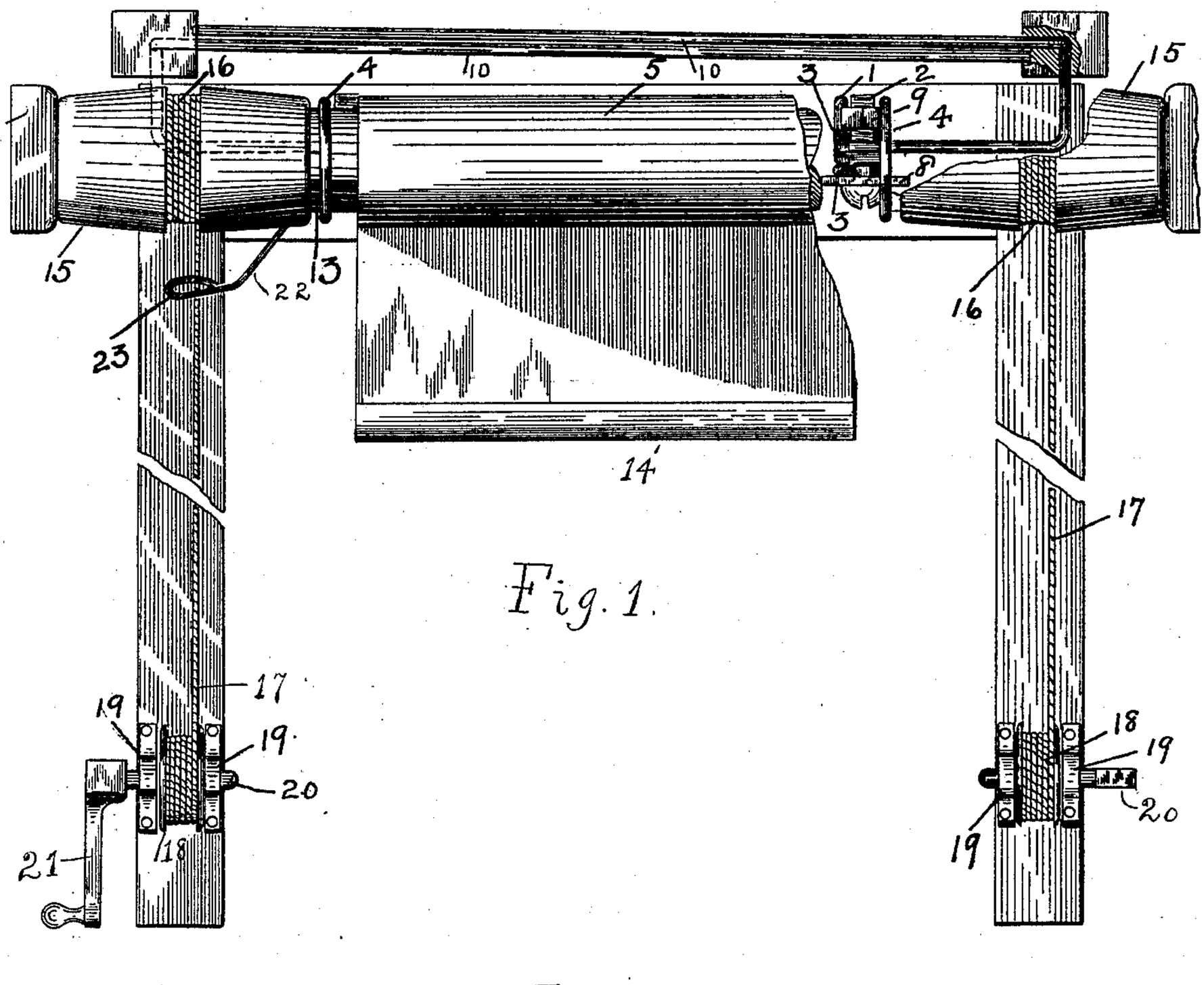
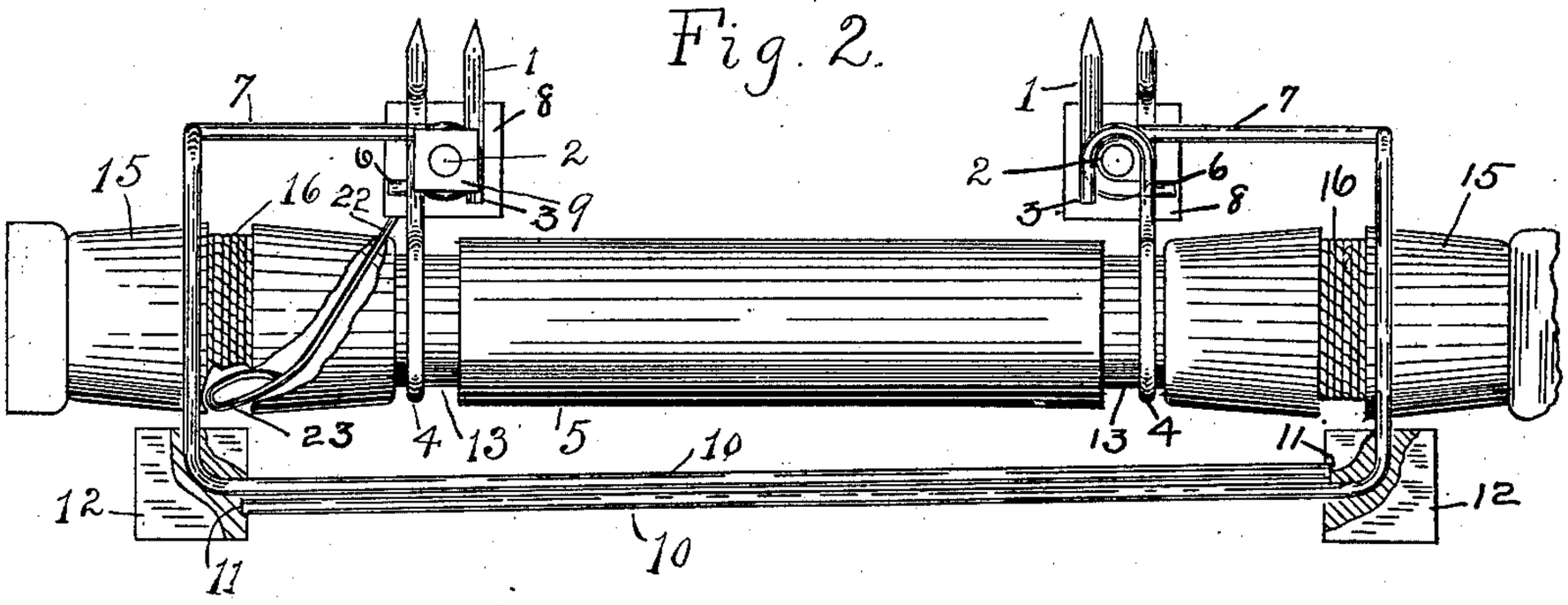



Fig. 1.

Fig. 2.

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(No Model.) 2 Sheets—Sheet 2.

Fig. 3.

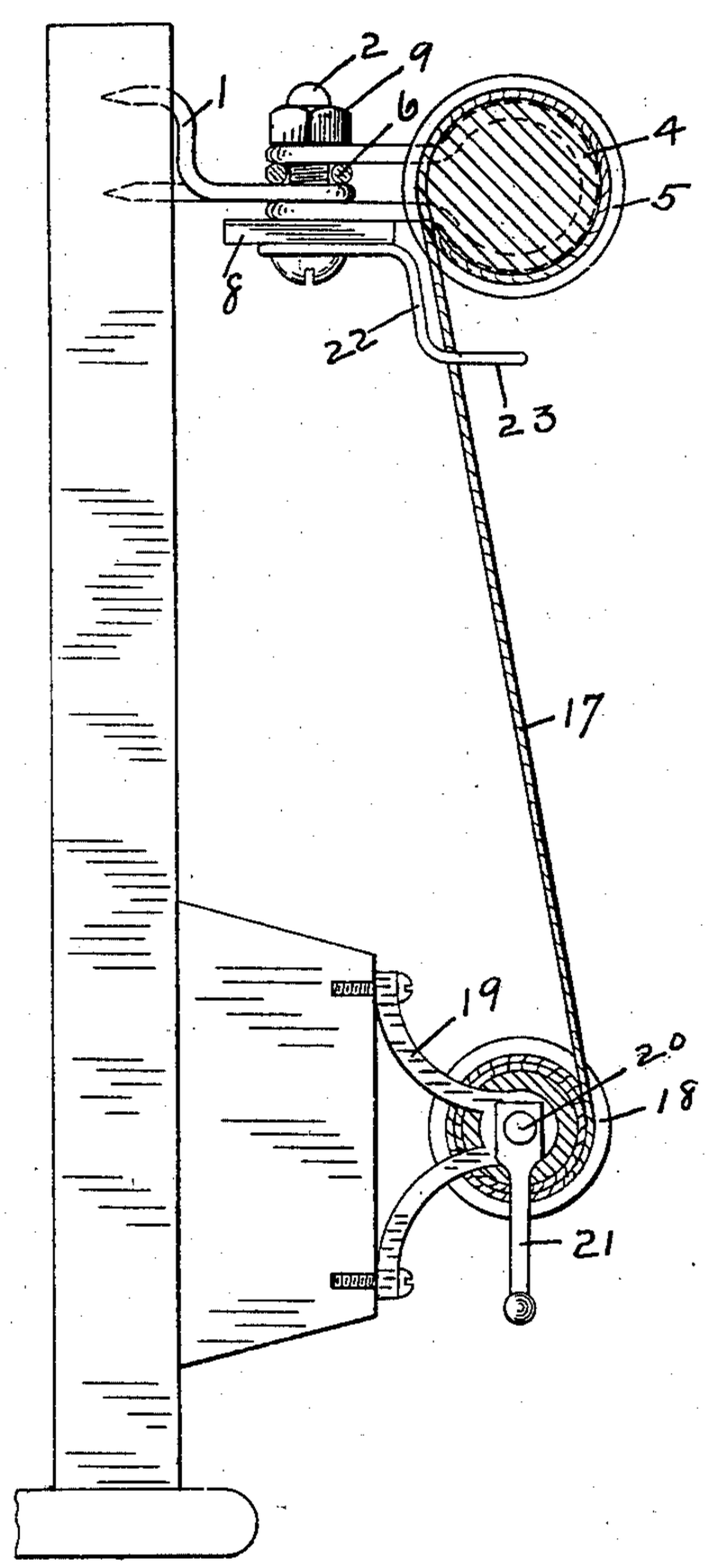



Fig. 4.

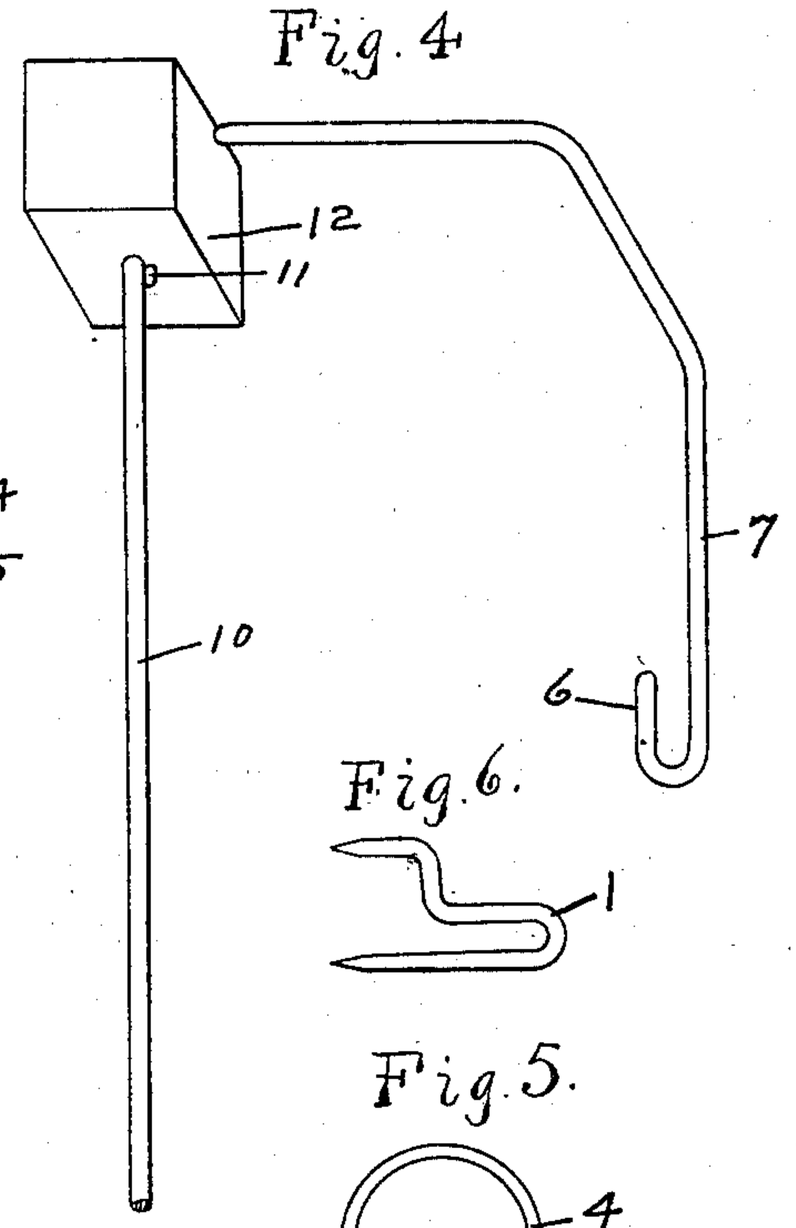



Fig. 6.




Fig. 5.

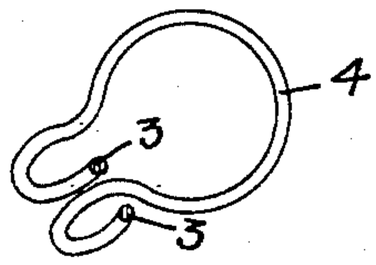
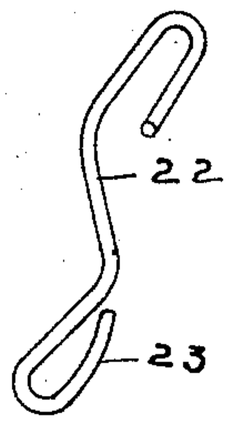



Fig. 7.

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# UNITED STATES PATENT OFFICE.

JOHN M. CONNOR, OF ROCKVILLE, CONNECTICUT.

## COMBINED CURTAIN-SUPPORT AND WINDOW-SHADE HANGER.

SPECIFICATION forming part of Letters Patent No. 673,385, dated May 7, 1901.

Application filed February 2, 1901. Serial No. 45,793. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN M. CONNOR, a citizen of the United States, residing at Rockville, in the county of Tolland and State of Connecticut, have invented certain new and useful Improvements in a Combined Curtain-Support and Window-Shade Hanger, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in combined window-shade hangers and curtain-supports; and its primary object is to provide a device of simple and inexpensive construction which is durable and attractive and which may be readily placed in position upon a window-casing.

With these and other objects in view the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a front elevation of the device in position upon a window-casing, the roller being broken away to show one of its supports in section. Fig. 2 is a top plan view of my invention detached, the roller being broken away to show the cord-guide thereunder. Fig. 3 is a side elevation of the device. Fig. 4 is a perspective view of the curtain-support detached. Fig. 5 is a similar view of one of the bearings of the roller. Fig. 6 is a detail view of a securing-staple, and Fig. 7 is a similar view of the guide-loop.

Referring to the figures by numerals of reference, 1 1 are staples, the sharpened points of each of which are located one above the other and are adapted to be driven into the window-casing. Within each staple is arranged a small bolt 2, upon which are coiled the ends 3 of a loop 4, which is substantially circular in form. Two of these loops are employed, one for each bolt 2, and these inclose and form bearings for a curtain-roller 5, such as hereinafter more fully described. Upon each bolt 2 is arranged a loop 6, formed at one end of a rod 7, which curves forward to a point in front of and above the roller 5. This loop, the ends 3 of the loop 4, and the staple 1 are firmly clamped upon the bolt 2 between a washer 8 thereon and a nut 9. The rods 7 are each formed of spring metal and extend inward toward each other and longitudinally of the roller, as shown at 10. The free ends of the horizontal rods 10 extend into sockets 11, formed within blocks 12, which are mounted upon and secured to rods 10 at the curved ends thereof, as shown in the drawings. The blocks are preferably secured to their rods by inserting said rods into curved passages within the blocks.

The loops 4, before referred to, rest within annular grooves 13, formed within the roller 5, thereby preventing longitudinal movement of the roller. A shade 14 is secured to the roller at points between the grooves and is adapted to be wound thereupon. Each end of the roller is enlarged, as shown at 15, and these enlarged portions are provided with annular grooves 16, within each of which is secured one end of a cord 17. The two cords are adapted to be wound in opposite directions within the grooves and are secured at their lower ends to spools 18, journaled within brackets 19, secured to the window-casing. Each spool has a squared end to its shaft 20, which is adapted to be engaged by a crank 21, whereby the spool may be readily turned.

The cord 17, which is wound upon the roller 5 from the outer side, is provided with means whereby the same is held back close to the window-casing. This means comprises a wire 22, provided at its lower end with a loop 23, which incloses the cord. The upper end of the wire 22 is looped and clamped upon the adjacent bolt 2 in the manner hereinbefore described.

It is thought that the operation of the device will be readily understood from the foregoing description taken in connection with the accompanying drawings. By winding one of the cords upon its spool 18 the roller 5 will unwind the shade and by revolving the remaining spool the shade will be raised. When it is desired to place a curtain in position upon the rods 10, it is merely necessary to spring the ends of said rods out of the sockets 11 and they may then be inserted into a hem formed at the upper end of the curtain.

It will be understood that by arranging the blocks 12 upon the rods 10 the free ends of said rods are held rigidly in position and prevent-

ed from sagging. The loops 4 are sprung upon the roller 5 before the ends of said loops are secured to the staples upon the bolts 2.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. The combination with a roller; of loops inclosing the same and forming bearings therefor, bolts engaging the loops, and staples secured to the bolts and having pointed ends arranged one above the other.

2. The combination with a roller having annular grooves therein; of loops inclosing the roller and resting within the grooves, said loops forming bearings, bolts engaging the ends of the loops, staples secured to the bolts and having pointed ends arranged one above the other, and rods secured to the bolts and extending above, and longitudinally of, the roller.

3. The combination with a roller having annular grooves therein; of loops inclosing the roller and resting within the grooves, said loops forming bearings, bolts engaging the ends of the loops, staples secured to the bolts and having pointed ends arranged one above the other, rods secured to the bolts and extending above, and longitudinally of, the roller, and blocks secured upon the rods and having sockets therein for the reception of the ends of said rods.

4. The combination with a roller having annular grooves therein; of loops inclosing the roller and forming bearings therefor, bolts engaging the ends of the loops, staples secured to the bolts, cords adapted to be wound in opposite directions within the annular grooves of the roller, a wire secured to one of the bolts, and a loop at the free end of the wire and inclosing and adapted to guide one of the cords.

5. The combination with a roller having annular grooves therein; of loops inclosing the roller and forming bearings therefor, bolts engaged by the ends of the loops, staples engaging the bolts and adapted to be secured to a window-casing, cords adapted to be wound in opposite directions within the grooves in the roller, a wire secured to one of the bolts, a loop at the lower end thereof adapted to guide one of the cords, means for clamping the ends of the loops, and guide-wire and the staples upon the bolts, and spools journaled upon the window-casing and secured to the cords.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN M. CONNOR.

Witnesses:
BARTHOLOMEW F. SHEA,
LYMAN T. TINGIER.