

No. 743,706.

PATENTED NOV. 10, 1903.

F. D. FRAZEE.
COMBINED ROLLER AND SWINGING AWNING FRAME.

APPLICATION FILED JUNE 29, 1903.

NO MODEL.

Fig. 1.

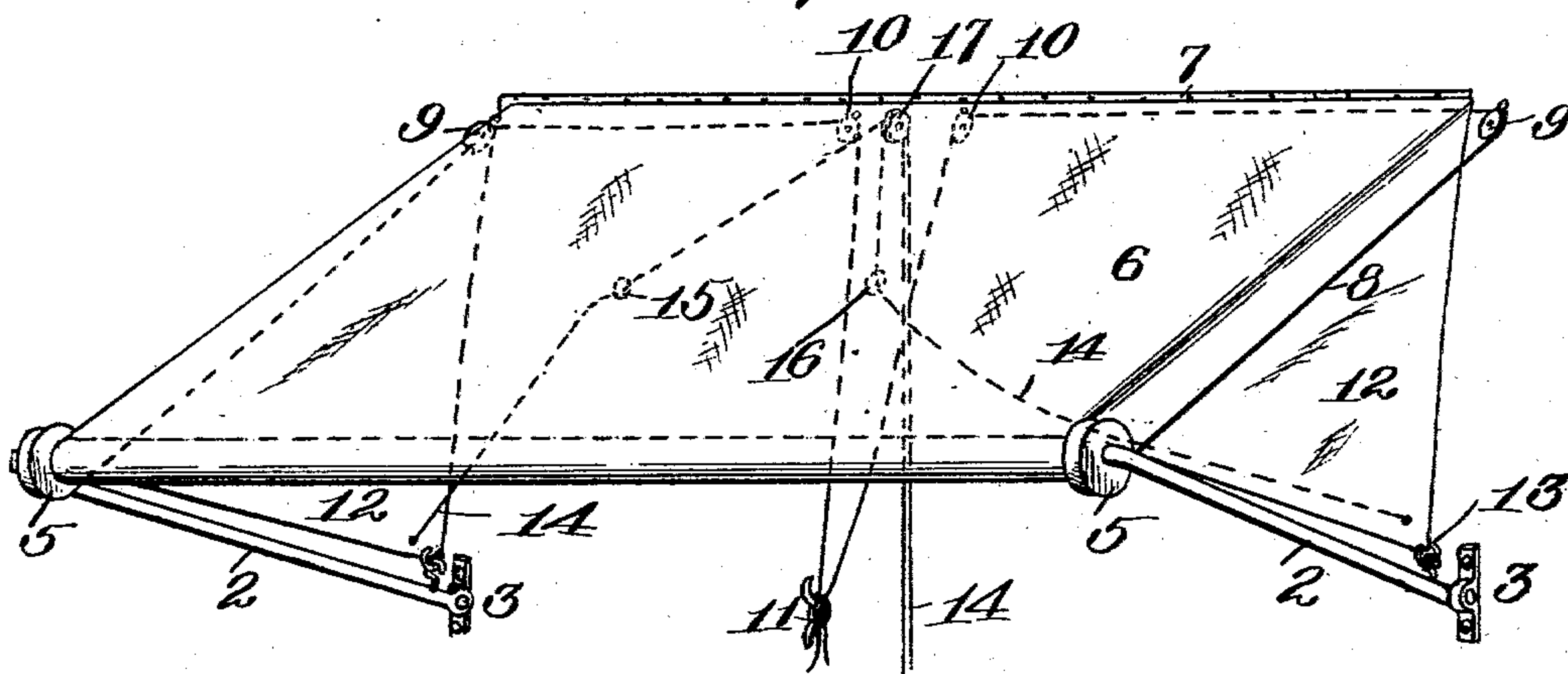


Fig. 2.

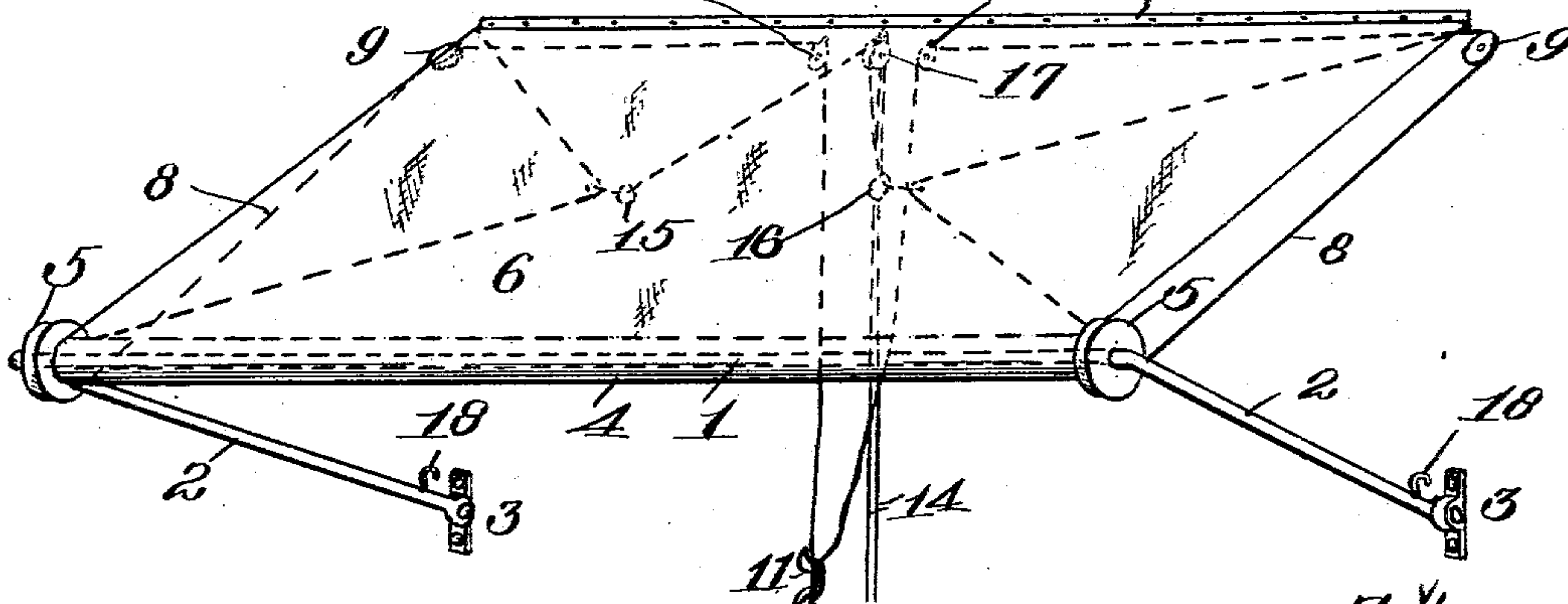


Fig. 3.

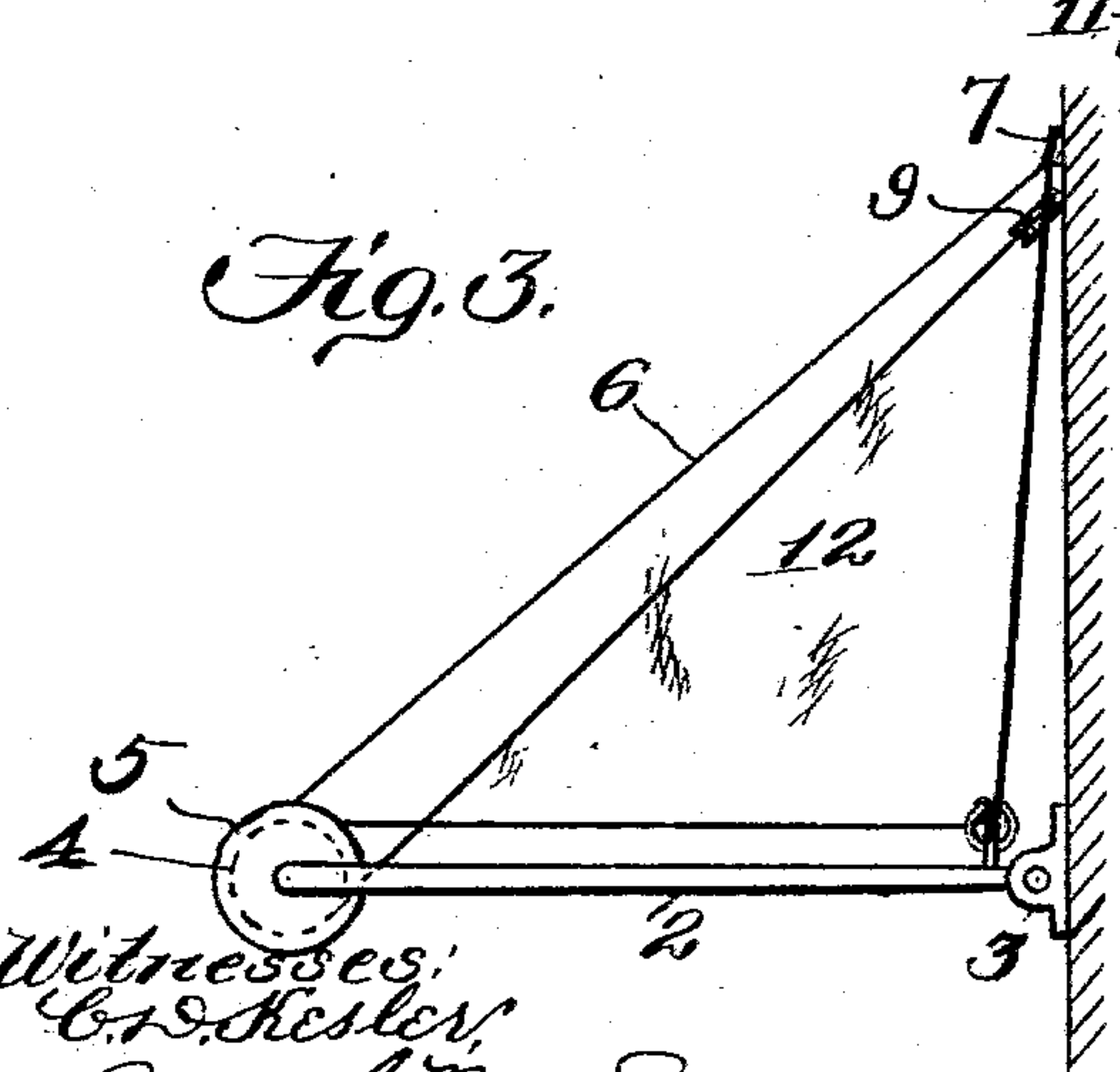
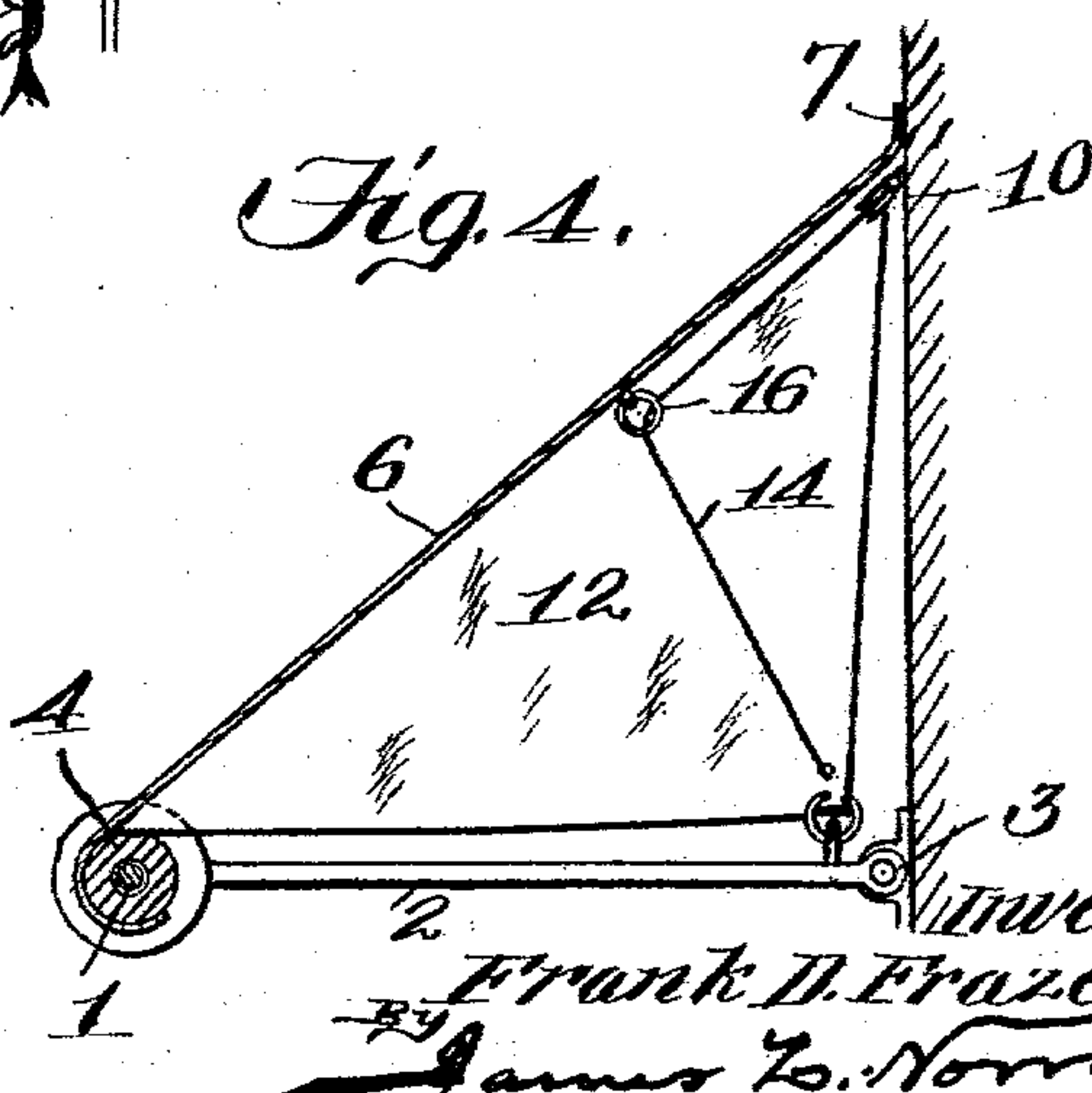


Fig. 4.



Witnesses:
C. D. Kessler,
James L. Norris, Jr.

Inventor
Frank D. Frazee
James L. Norris,
att'y.

UNITED STATES PATENT OFFICE.

FRANK D. FRAZEE, OF EVANSVILLE, INDIANA, ASSIGNOR OF ONE-HALF TO
LOUIS A. DAUS, OF EVANSVILLE, INDIANA.

COMBINED ROLLER AND SWINGING AWNING-FRAME.

SPECIFICATION forming part of Letters Patent No. 743,706, dated November 10, 1903.

Application filed June 29, 1903. Serial No. 163,648. (No model.)

To all whom it may concern:

Be it known that I, FRANK D. FRAZEE, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented new and useful Improvements in a Combined Roller and Swinging Awning-Frame, of which the following is a specification.

This invention relates to a combined roller and swinging frame awning, and has for its object, first, to improve, simplify, and render more efficient this class of awning, and, secondly, to provide means for folding in the end curtains when the awning is rolled up.

To these ends my invention consists in the features and in the construction, arrangement, and combination of parts hereinafter described, and fully set forth in the claims following the description, reference being had to the accompanying drawings, forming a part of this specification, wherein—

Figure 1 is a perspective view of an awning including my invention. Fig. 2 is a similar view of the same with the end curtains folded under. Figs. 3 and 4 are respectively side and sectional side elevations of said awning.

Like characters refer to like parts throughout the several views.

The frame of the awning consists of a substantially U-shaped metallic frame comprising the central portion 1 and two end pieces or frames 2, bent at right angles to the part 1 and adapted to be hinged, as at 3, to any suitable fixed portion of the building.

Rotatably mounted on the portion 1 of the frame is a hollow roller 4, on the opposite ends of which are fixed spools 5. The awning 6 is attached at one edge to said roller between the spools and is adapted to be rolled thereon and at its other edge is attached in any suitable manner, as at 7, to the building.

Fixed at one end to each of the grooved portions of the spools 5 are cords or ropes 8, which are wound about such spools, and from thence the cords 8 pass around the pulleys or other suitable guides 9, and the cords then pass around pulleys 10, attached to the building underneath the upper edge of the awning 6, and the cords finally pass on down to the cleat or other suitable fastening 11, which is

attached to the sides of the door or window frame or other suitable fixed portion of the building.

In winding the cords 8 about the spools 5 they are wound about the spools in a direction opposite to that in which the awning is designed to be wound.

From the arrangement hereinabove described it will be readily understood that the curtain is rolled up and unrolled about the roller 4 as the frame is raised and lowered.

Let it be assumed that the frame is in its raised position and that the awning 6 is wound about said roller. By loosening the ends of the ropes from the cleat 11 and slackening said ropes the U-shaped frame will descend, and at the same time the awning 6 will unwind from the roller 4. As the awning is unwound from the roller it will roll up the cords 8 on the spools 5. When it is desired to raise the awning, it is only necessary to draw upon the cords 8, and this will swing the frame to a vertical position, and as the frame is thus swung upward the cords will turn the roller in a proper direction to simultaneously roll the awning 6 about the roller.

Attached to each end of the awning 6 is an end curtain 12 of well-known construction, which when the awning is lowered will form curtains for shading the space between the edge of the awning 6 and the sides of the building. To the free ends of the curtains 12 are attached rings 13, and attached to said rings are two cords 14, which pass through guide-rings 15 and 16, attached to the under side of the awning, and thence through a centrally-arranged pulley or guide-ring 17, from whence they pass down into convenient reach of the operator.

When it is desired to fold up the awning, the ropes 14 are drawn upon, thus folding the end curtains 12 under the awning 6, and thus when the awning is rolled up about the roller 4 said end curtains are rolled up with the awning and within the same.

Attached to the arms 2 near their pivoted points 3 are fastenings 18, and when the awning is in its lowered position the ring 13 on the corners of the end curtains may be secured to said fastenings, thus holding the end curtains in place.

Before folding up the awning it will of course be necessary to detach the rings 13 from the fastenings 18.

Having described my invention, what I claim is—

1. In an awning of the class described, the combination with a U-shaped frame pivoted at its ends to a fixed support, of a roller rotatably arranged on the central portion of the frame, spools fixed on the ends of the roller, an awning attached at one end to said roller and at its other end to a fixed support, and cords wound about said spools at one end and passing about suitable guides at their other ends for simultaneously raising and lowering the frame and rolling and unrolling the awning, substantially as described.

2. In an awning of the class described, the combination with a frame comprising a rod bent into U shape and pivoted at its ends to a fixed support, of a hollow roller rotatably mounted on the central portion of the frame, spools fixed on the ends of the roller, an awning attached at one end to said roller and at its other end to a fixed support, and cords wound at one end about said spools and at their other ends passing about suitable guides for simultaneously raising and lowering the frame and rolling and unrolling the awning, substantially as described.

3. In an awning of the class described, the combination with a frame comprising a rod bent into U shape and pivoted at its ends to a fixed support, of a hollow roller rotatably mounted on the central portion of the frame, spools fixed on the ends of the roller, an awning attached at one end to said roller and at its other end to a fixed support, and cords underwound at one end about said spools and at their other ends passing about suitable guides for simultaneously raising and lowering the frame and rolling and unrolling the awning, substantially as described.

4. In an awning of the class described, the combination with a U-shaped frame pivoted at its ends to a fixed support, of a roller rotatably arranged on the central portion of the frame, spools fixed on the ends of the

roller, an awning attached at one end to said roller and at its other end to a fixed support, end curtains attached to the opposite edges of the awning, cords wound about the spools and passing about suitable guides for simultaneously raising and lowering the frame and rolling and unrolling the awning, and means for drawing said curtains under the lower side of the awning when it is desired to roll up the latter, substantially as described.

5. In an awning of the class described, the combination with a U-shaped frame pivoted at its ends to a fixed support, of a roller rotatably arranged on the central portion of the frame, spools fixed on the ends of the roller, an awning attached at one end to said roller and at its other end to a fixed support, end curtains attached to the opposite edges of the awning, cords wound about the spools and passing about suitable guides for simultaneously raising and lowering the frame, and cords for drawing the end curtains under and against the lower side of the awning when it is desired to roll up the latter, substantially as described.

6. In an awning of the class described, the combination with a U-shaped frame pivoted at its ends to a fixed support, of a roller rotatably arranged on the central portion of the frame, spools fixed on the ends of the roller, an awning attached at one end to said roller and at its other end to a fixed support, end curtains attached to the opposite edges of the awning, cords wound about the spools and passing about suitable guides for simultaneously raising and lowering the frame, means for detachably fastening the ends of the end curtains to the pivoted ends of the frame, and means for folding the end curtains under the awning when it is desired to roll up the latter, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRANK D. FRAZEE.

Witnesses:

LOUIS P. BISZANTZ,
JOE E. ZAPP.