

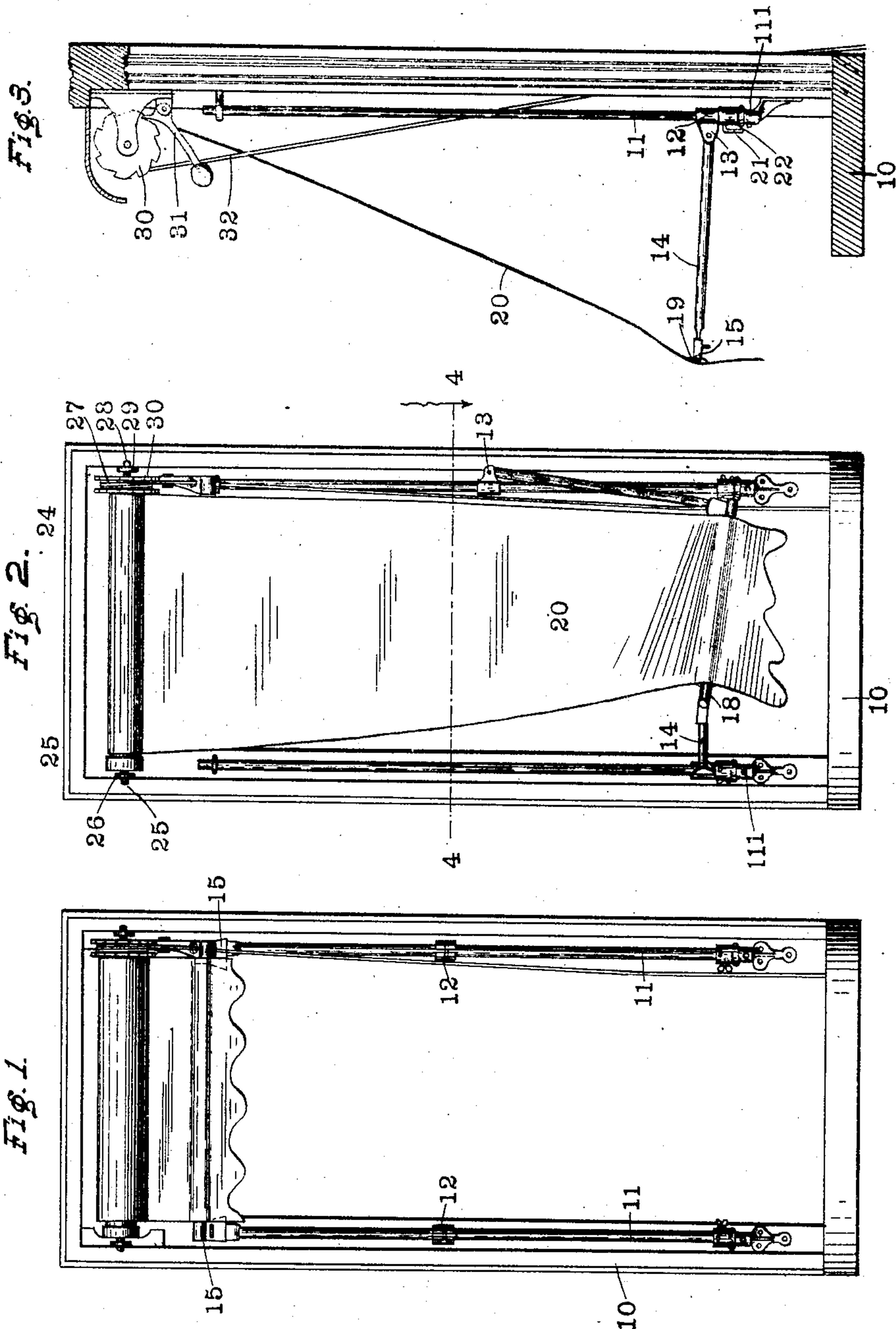
No. 786,327.

PATENTED APR. 4, 1905.

G. J. TRUEMPER.
AWNING.

APPLICATION FILED JULY 5, 1904.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 4.

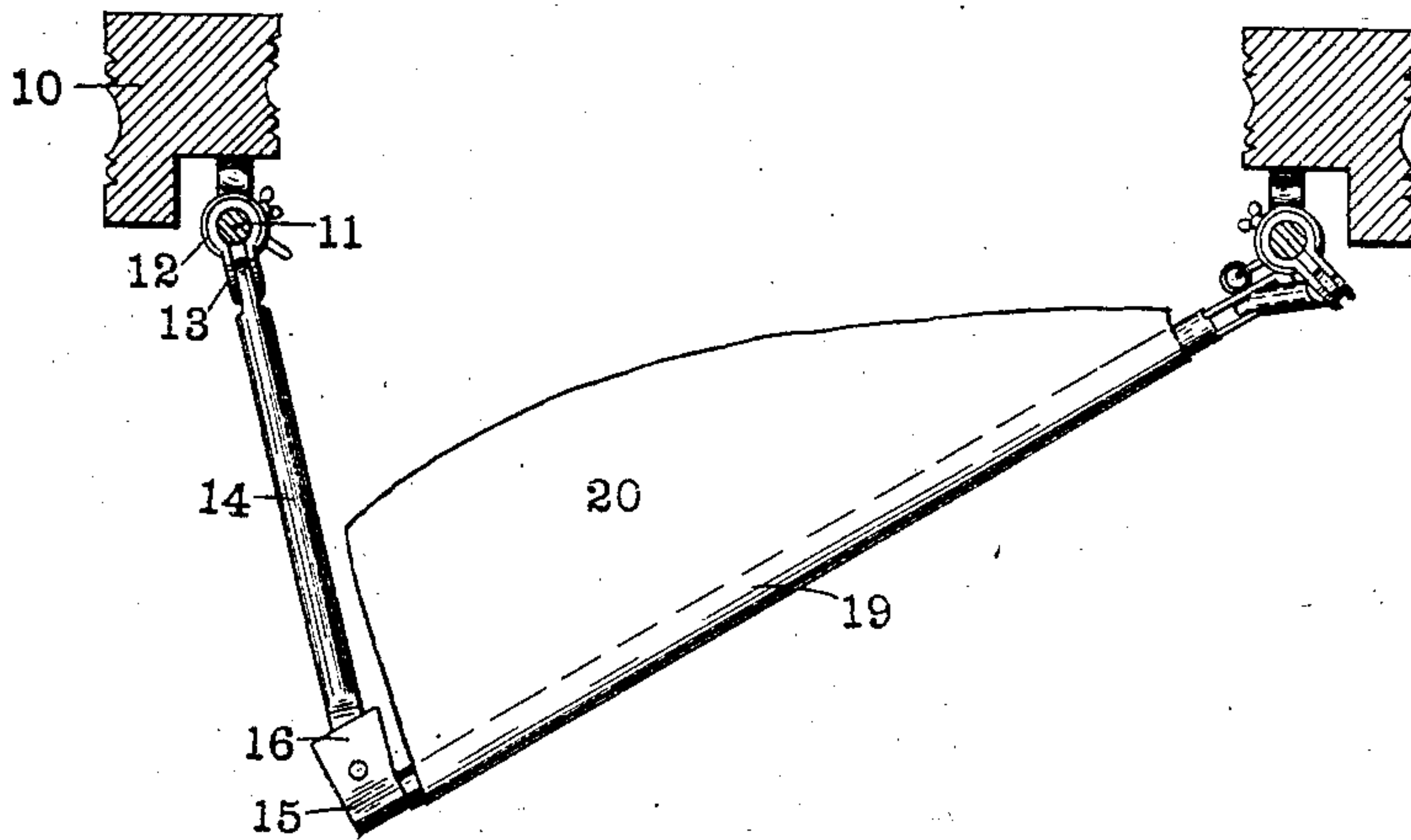


Fig. 5.

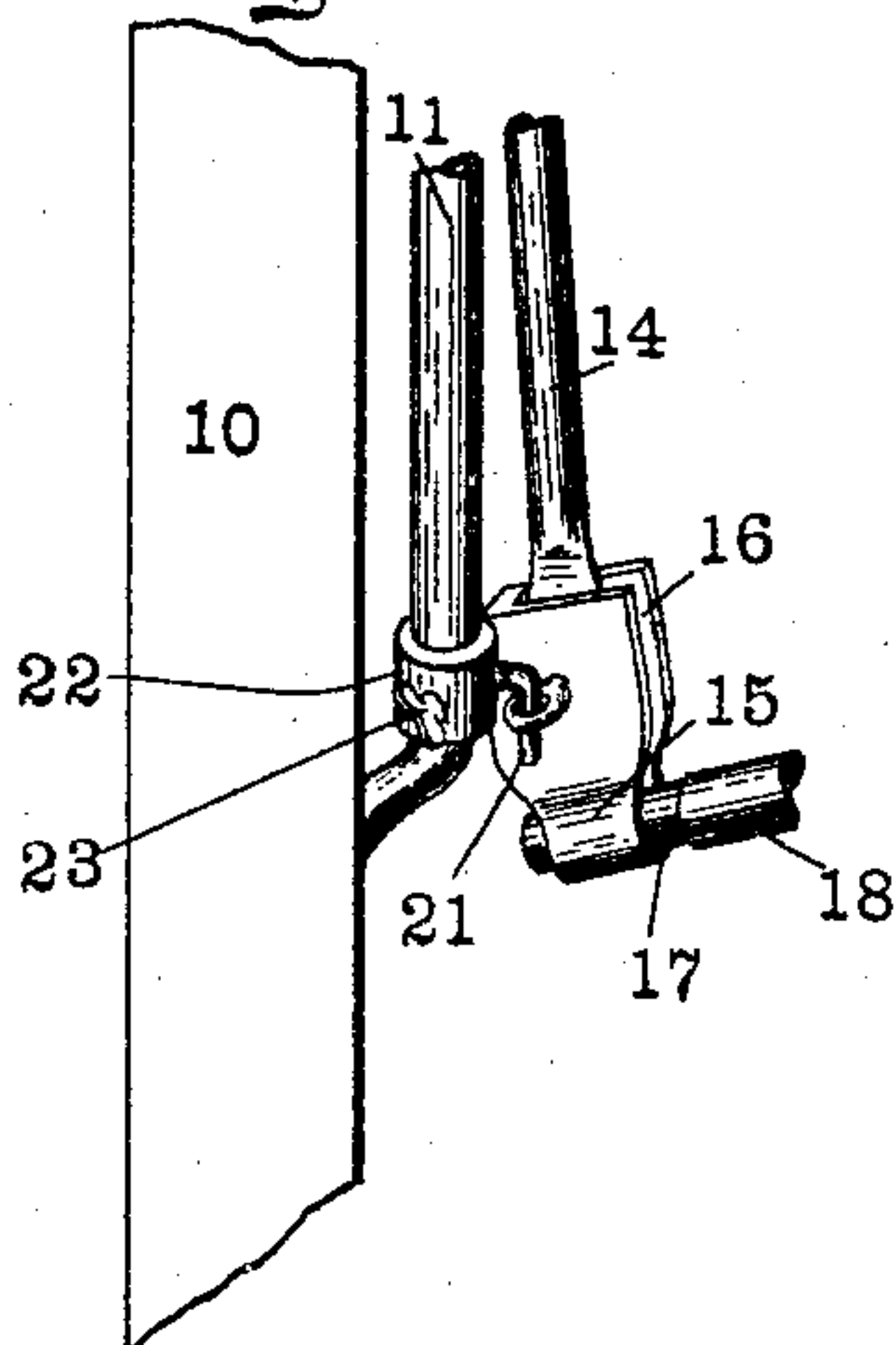


Fig. 7.

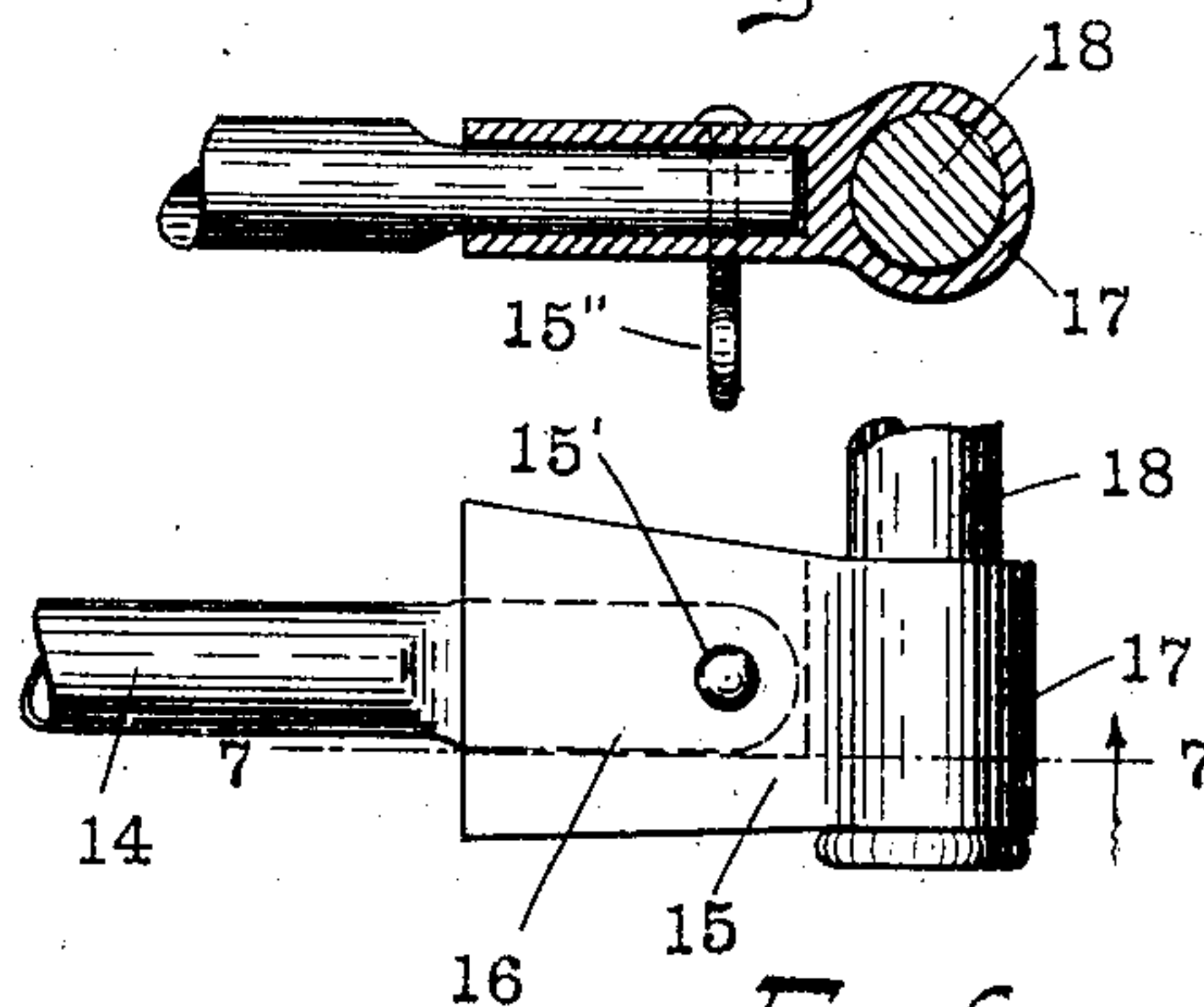
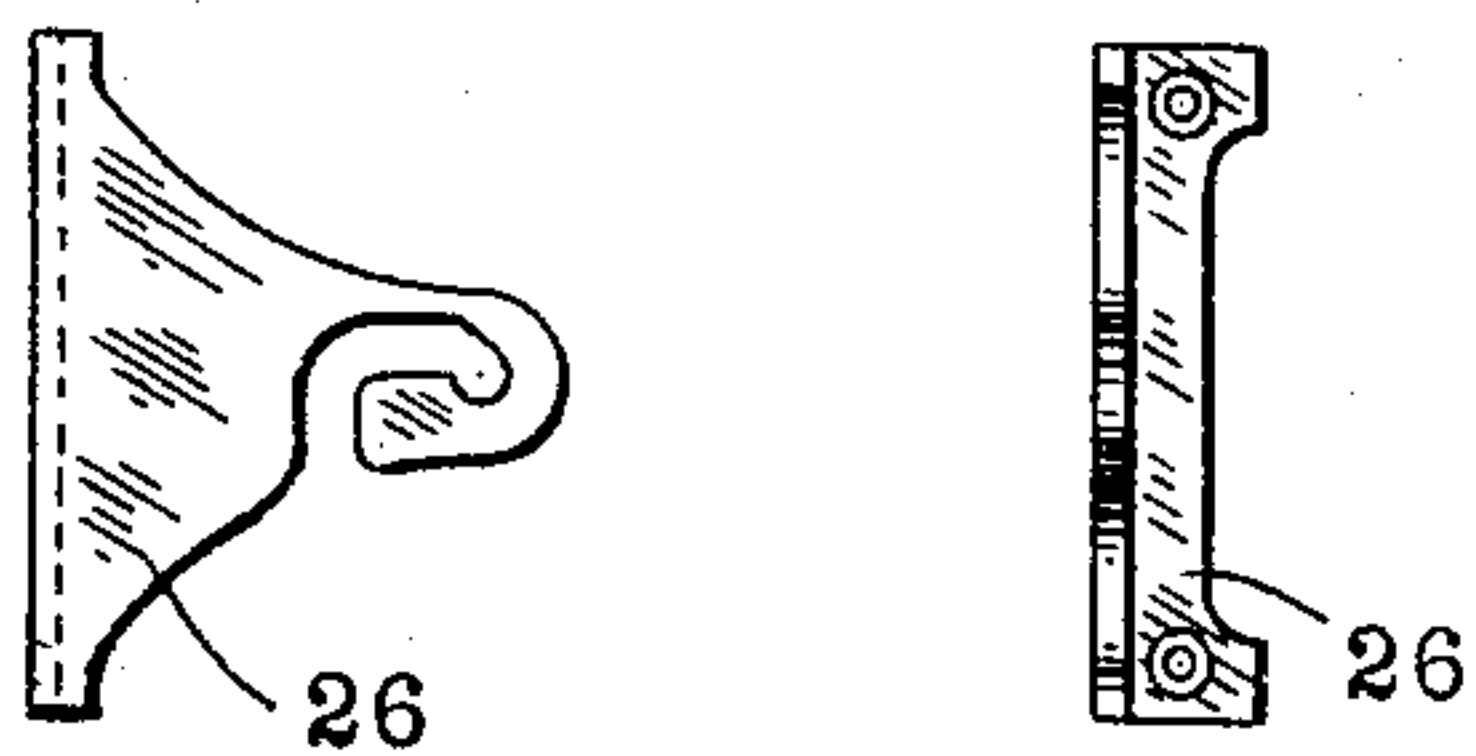


Fig. 6.

Fig. 8.



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UNITED STATES PATENT OFFICE.

CHARLES J. TRUEMPER, OF INDIANAPOLIS, INDIANA.

AWNING.

SPECIFICATION forming part of Letters Patent No. 786,327, dated April 4, 1905.

Application filed July 5, 1904. Serial No. 215,297.

To all whom it may concern:

Be it known that I, CHARLES J. TRUEMPER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Awnings, of which the following is a specification.

The object of my invention is to produce an awning structure which may be adjusted readily in height and also such that either vertical edge of the awning may be brought parallel with the casing and the awning vertically adjusted in this position.

The accompanying drawings illustrate my invention.

Figure 1 is a front elevation with the awning raised to the highest position; Fig. 2, a front elevation with the awning lowered and one edge brought to a substantially vertical position; Fig. 3, a side elevation with the awning completely extended; Fig. 4, a section, on a larger scale, on line 4 4 of Fig. 2; Fig. 5, a perspective detail; Fig. 6, a plan of the joint between the lower bar of the webbing and the adjacent strut; Fig. 7, a section on line 7 7 of Fig. 6, and Fig. 8 a side elevation of one of the hangers.

In the drawings, 10 indicates any usual window-frame to which my awning may be attached. Secured to each side of the casing, preferably by a socket 111, is a vertical rod or guide 11, and vertically mounted on each rod 11 is a collar 12, provided with a pair of vertical ears 13, between which is pivoted on a horizontal axis one end of the strut 14. The opposite or outer end of strut 14 has the casting 15 pivoted thereto on a vertical axis. This casting 15 is provided with a horizontal pocket 16, in which the outer end of strut 14 may be inserted, as clearly shown in Figs. 5, 6, and 7, and the outer wall of pocket 16 forms a stop to prevent swing of the strut 14 in one direction. Casting 15 has formed in its outer end a bearing 17, which lies at right angles to the pivot connecting the casting and the strut, and in this bearing is journaled the spreader-bar 18, which is passed through the usual pocket 19, formed transversely near the lower end of the webbing 20. The pivot 15', which connects casting 15 and strut 14, carries

an eye 15" at its lower end, and this eye is adapted to receive a vertical finger 21, carried by a collar 22, vertically mounted upon each rod 11 below collar 12. The collar 22 may be held in any desired position of vertical or angular adjustment by any suitable means, such as the butterfly-screw 23.

The upper end of the webbing 20 is attached to a horizontal roller 24, which at one end is provided with a head 25, carrying a horizontal pintle 25', adapted to be passed into the bracket 26. At the other end roller 24 is provided with a cord wheel or drum 27, also provided with a pintle 28, adapted to enter and be supported by the bracket 29. Drum 27 is provided on its periphery with a ratchet 30, adapted to be engaged by the inner end of the weighted pawl 31, pivoted on a horizontal axis on the bracket 29. Pawl 31 at its weighted end is perforated in order to permit the passage therethrough of the operating-cord 32, the upper end of which is wound about the drum 27 and the lower end of which is carried to a point inside the casing. The two brackets 26 and 29 are preferably attached to a board 35, which may be easily attached to or detached from the casing 10, thus facilitating the erection and removal of the awning.

In operation suppose the parts to be in position shown in Fig. 3. Here the upper end of cord 32 is wrapped about the drum 27 a considerable number of times in order that a pull upon the cord will cause rotation of the drum in the direction indicated by the arrow, this being in the direction permitted by the ratchet and pawl. If the operator desires to set the awning angularly with relation to the casing, as shown in Fig. 2, it is merely necessary to slip the proper collar 12 upward on its rod 11, whereupon, owing to the three joints between said collar and the spreader-rod 18, it will cause that edge of the webbing to be drawn inward until it lies vertically. In this position the eye 15" has been moved from a vertical to a horizontal position and is then in position to receive finger 21 of the adjacent collar 22, as clearly shown in Figs. 4 and 5, whereupon the parts can be readily secured by tightening the butterfly-screw 23. If an intermediate adjustment—i. e., a less angle—

is desired, the operator will slide the adjacent collar 22 up under the raised collar 12 and secure it in position. The angular position of the webbing may be secured at any vertical height by pulling upon the cord 32 until the awning is raised to the desired point and then bringing the proper collar 22 up beneath that collar 12 which is attached to the strut 14 which remains horizontal, the other collar 22 being also moved up to correspond to the vertical position of the eye 15". Again, both collars 12 may be moved up above the spreader 18, in which case the webbing will lie vertically and may be held in position by proper adjustment of the collars 22. In any of these positions the awning may be locked in position by the collars 22 and fingers 21, thus preventing rattling.

The awning may also be completely extended at any desired position of vertical adjustment by rotation of the roller 24 and subsequent vertical adjustment of the collars 22, so as to hold the collars 12 in proper vertical position. By a direct and continuous pull upon cord 32 from the position shown in Fig. 3 the webbing will be drawn upward, the struts 14 swinging upward until they lie in a substantially vertical position with the outer ends uppermost, and then the webbing and arm together will be moved upward to the position shown in Fig. 1.

The position of the perforation through weighted end of pawl 31 is such that by swinging the lower end of the cord 32 outward slightly the pawl may be withdrawn from the ratchet, whereupon a gradual release of the cord will permit the reverse rotation of the roller 24 in a well-known manner.

I claim as my invention—

1. In an awning, the combination of, vertical guide-rods, the webbing, the roller to which said webbing is attached, a pawl and ratchet for holding said roller in desired positions of adjustment, a cord passing around said roller and engaging the pawl, a pair of collars one mounted on each of the vertical guides, means for holding said collars in any desired position of vertical adjustment, a strut pivoted to each collar on a substantially horizontal axis, a bearing member pivoted to the outer end of each strut on an axis substantially at right angles to the pivotal connection between the strut and collar, and a spreader member carried by the lower end of the web and pivotally connected to said bearing members upon a substantially horizontal axis.

2. In an awning, the combination of, vertical guide-rods, the webbing, the roller to which said webbing is attached, a pawl and ratchet for holding said roller in desired positions of adjustment, a cord passing around said roller and engaging the pawl, a pair of collars one mounted on each of the vertical guides, a strut pivoted to each collar on a substantially horizontal axis, a bearing member pivoted to the

outer end of each strut on an axis substantially at right angles to the pivotal connection between the strut and collar, a spreader member carried by the lower end of the web and pivotally connected to said bearing members upon a substantially horizontal axis, a collar mounted upon each guide below the first-mentioned collar, and means for holding said last collar in various positions of vertical adjustment.

3. In an awning, the combination of, vertical guide-rods, the webbing, the roller to which said webbing is attached, a pawl and ratchet for holding said roller in desired positions of adjustment, a cord passing around said roller and engaging the pawl, a pair of collars one mounted on each of the vertical guides, a strut pivoted to each collar on a substantially horizontal axis, a bearing member pivoted to the outer end of each strut on an axis substantially at right angles to the pivotal connection between the strut and collar, a spreader member carried by the lower end of the web and pivotally connected to said bearing members upon a substantially horizontal axis, a collar mounted upon each guide below the first-mentioned collar, means for holding said collar in various positions of vertical adjustment, and interengaging parts carried by each of said second collars and the outer end of each strut, substantially as and for the purpose set forth.

4. In an awning, the combination of, vertical guide-rods, the webbing, the roller to which said webbing is attached, means for rotating said roller and for holding the same in desired positions of adjustment, a pair of collars one mounted on each of the vertical guides, a strut pivoted to each collar on a substantially horizontal axis, a bearing member pivoted to the outer end of each strut on an axis substantially at right angles to the pivotal connection between the strut and collar, a spreader member carried by the lower end of the web and pivotally connected to said bearing members upon a substantially horizontal axis, a collar mounted upon each guide below the first-mentioned collar, and means for holding said collar in various positions of vertical adjustment.

5. In an awning, the combination of, vertical guide-rods, the webbing, the roller to which said webbing is attached, means for rotating said roller and for holding the same in desired positions of adjustment, a pair of collars one mounted on each of the vertical guides, a strut pivoted to each collar on a substantially horizontal axis, a bearing member pivoted to the outer end of each strut on an axis substantially at right angles to the pivotal connection between the strut and collar, a spreader member carried by the lower end of the web and pivotally connected to said bearing members upon a substantially horizontal axis, a collar mounted upon each guide below the first-

mentioned collar, means for holding said collar in various positions of vertical adjustment, and interengaging parts carried by each of said second collars and the outer end of each
5 strut, substantially as and for the purpose set forth.

In witness whereof I have hereunto set my

hand and seal, at Indianapolis, Indiana, this 29th day of June, A. D. 1904.

CHARLES J. TRUEMPER. [L. s.]

Witnesses:

ARTHUR M. HOOD,
JAMES A. WALSH.