B. FRANK.

AWNING.

APPLICATION FILED JULY 5, 1913. RENEWED JULY 22, 1914.

1,114,599. Patented Oct. 20, 1914.

Fig. 1

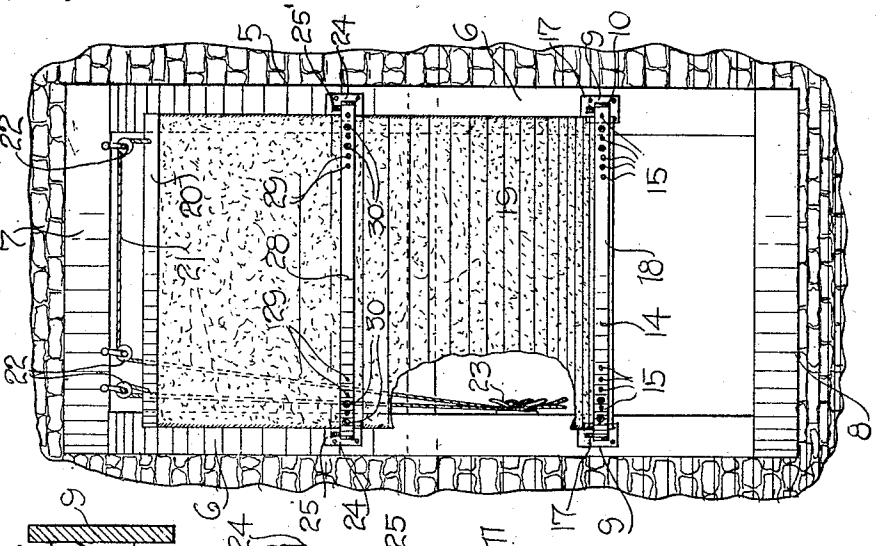


Fig. 4

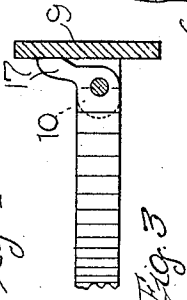


Fig. 3

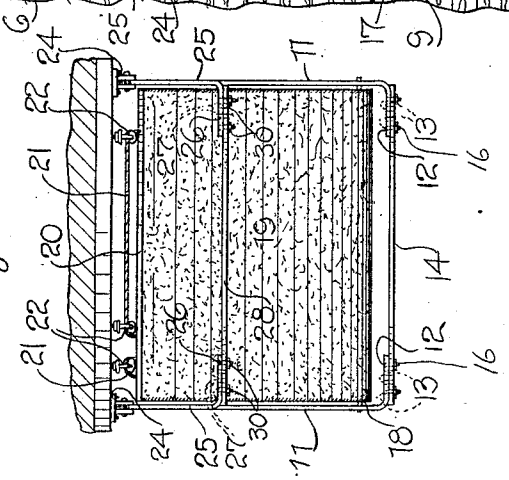
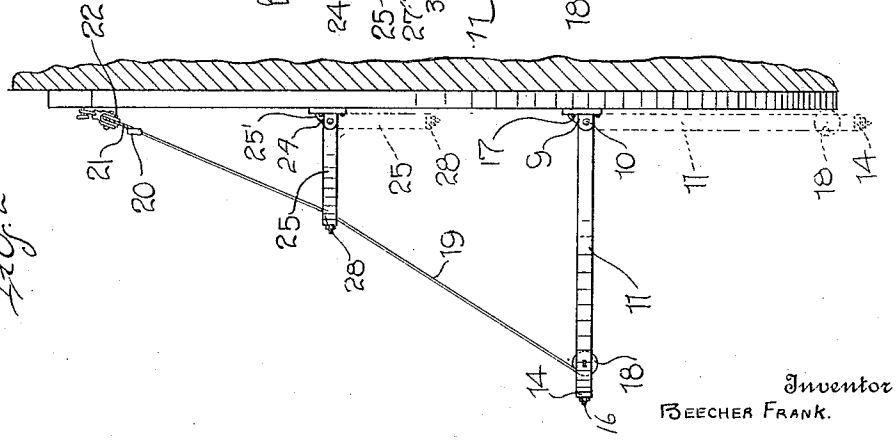


Fig. 2



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UNITED STATES PATENT OFFICE.

BEECHER FRANK, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE SIMPLEX AWNING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION.

AWNING.

1,114,599. Specification of Letters Patent. **Patented Oct. 20, 1914.**

Application filed July 5, 1913, Serial No. 777,554. Renewed July 22, 1914. Serial No. 852,476.

To all whom it may concern:

Be it known that I, BEECHER FRANK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Awnings, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in awnings, and more particularly to an awning which is adapted for connection to a window frame.

An object of this invention is the provision of an awning which when not in use, may be disposed below the window frame, so as to leave the window clear and at the same time be out of the way.

A further object of this invention is the provision of an awning comprising a strip of flexible material which is mounted upon a spring roller, the roller being connected to a swinging frame which is pivotally connected to the window frame near its lower end, the free end of the strip having cords connected thereto which extend over pulleys connected to the upper end of the window frame, whereby the strip may be unrolled and pulled upwardly to cover the window.

With these and other objects in view, this invention consists in the novel construction, combination and arrangement of parts, to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which—

Figure 1 is a front elevation partly broken away of the awning, showing the same in operative position; Fig. 2 is a side elevation thereof; Fig. 3 is a top plan view; and Fig. 4 is a detail elevation partly in section.

Referring more particularly to the drawing, the numeral 5 designates a window frame which comprises side bars 6, an upper bar 7 and a lower bar 8. Connected to the side bars 6 of the window frame adjacent their lower ends are supporting plates 9 which are provided with spaced outstanding apertured ears 10, to which a swinging frame is connected. The swinging frame comprises a pair of outwardly extending arms 11, the inner ends of which are pivotally mounted between the apertured ears 10 of the plates 9. The outer ends of the arms 11 are offset inwardly as at 12 and provided with a plurality of openings 13, and connected to the inwardly offset portions 12 of the arms is a cross bar 14 which is provided at its opposite ends with a plurality of spaced openings 15, bolts 16 passing through the registering openings 15 in the opposite ends of the bar 14 and the openings 13 in the offset ends 12 of the arms 11. The inner end of each arm 11 is provided with an upstanding flange 17, the extremities of which are adapted to engage the plates 9 to limit the upward swinging movement of the frame.

A spring roller 18 of any desired construction is mounted in the arms 11 inwardly of the cross bar 14, the roller having a strip of canvas 19 or other suitable flexible material rolled thereon, the free edge of the strip having a bar 20 connected thereto, to the opposite ends of which one end of operating cords 21 are connected.

Depending from the upper bar 7 of the frame are pulleys 22 over which the cords 21 are passed and a hook 23 is secured to one of the side bars 6 of the frame to which the free ends of the cords are connected to hold the swinging frame in adjusted position. Connected to the side bars 6 at points slightly above the centers thereof are supporting plates 24 to which the inner ends of outwardly extending arms 25 are pivotally connected, the arms 25 being relatively shorter than the arms 11. The outer ends of the arms 25 are offset inwardly as at 26 and provided with a plurality of spaced openings 27, a brace bar 28 which is also provided with a plurality of openings 29 being adjustably connected to the ends 26 of the arms by bolts 30. The inner ends of the arms 25 are also provided with upstanding flanges 25′, which engage the plates 24 to limit the upward movement of the brace bar 28.

In the practical use of my device, when the awning is not in use, the roller 18 supported in the swinging frame is disposed within the lower bar 8 of the window frame, and the strip 19 is entirely wound upon the roller so that the window is clear. As the supporting plates 24 are disposed slightly above the center of the window frame, the brace bar 28 is disposed in alinement with the sashes when the device is not in use, so as not to obstruct the view from the inside of the room. When it is desired to dis-

pose the awning over the window, the cords 21 are released from the hook 23 and pulled downwardly so as to unroll the strip 19 from the roller 18 to move the arms 11 of the swinging frame until they are disposed horizontally such position of the frame being determined by the contact of the extensions 17 with the plates 9. The strip 19 and the operating cords 21 therefor pass beneath the brace bar 28 and between the arms 25 and are adapted to contact with such bar, and as the upward movement of such cords and strip causes the lower frame to be adjusted upwardly, the contact of the operating cords and strip with the bar 28 results in a corresponding adjustment of such bar. When the strip has been unrolled the desired distance the cords 24 are then engaged with the hook 23, and the strip will be prevented from flapping in the wind by reason of the engagement of the cross bar 28 therewith, the free end of the strip being held rigidly by the cords, and the swinging frame being prevented from upward movement as before described.

From the above description taken in connection with the accompanying drawing, it will be seen that I have provided an awning which can be readily adjusted to different widths for application to different sizes of window frames. and one which will be disposed below the window frame when not in use, so as to leave the window entirely clear.

What I claim is:

1. A device of the character described comprising frames swingingly mounted one above the other in spaced relation and provided with means for limitng their movement in an upward direction, a strip windingly connected to the lower frame and being adapted to pass through the upper frame, the movement of the upper frame in a downward direction when the strip is extended therethrough being limited by the contact of such member with the strip, and means coacting with the strip whereby the same may be adjusted.

2. A device of the character described comprising frames swingingly mounted one above the other and provided with offset extensions adjacent their pivotal points for limiting their movement in an upward direction, a strip windingly connected to the lower frame and being adapted to pass through the upper frame, the movement of the upper frame in a downward direction when the strip is extended therethrough being limited by the contact of such member with the strip, and means coacting with the strip whereby the same may be adjusted.

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

BEECHER FRANK.

Witnesses:
HENRY J. ELLIS,
FREDERICK ERB.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."