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H. H. ROLLINS

SHADE OR AWNING RAISING DEVICE

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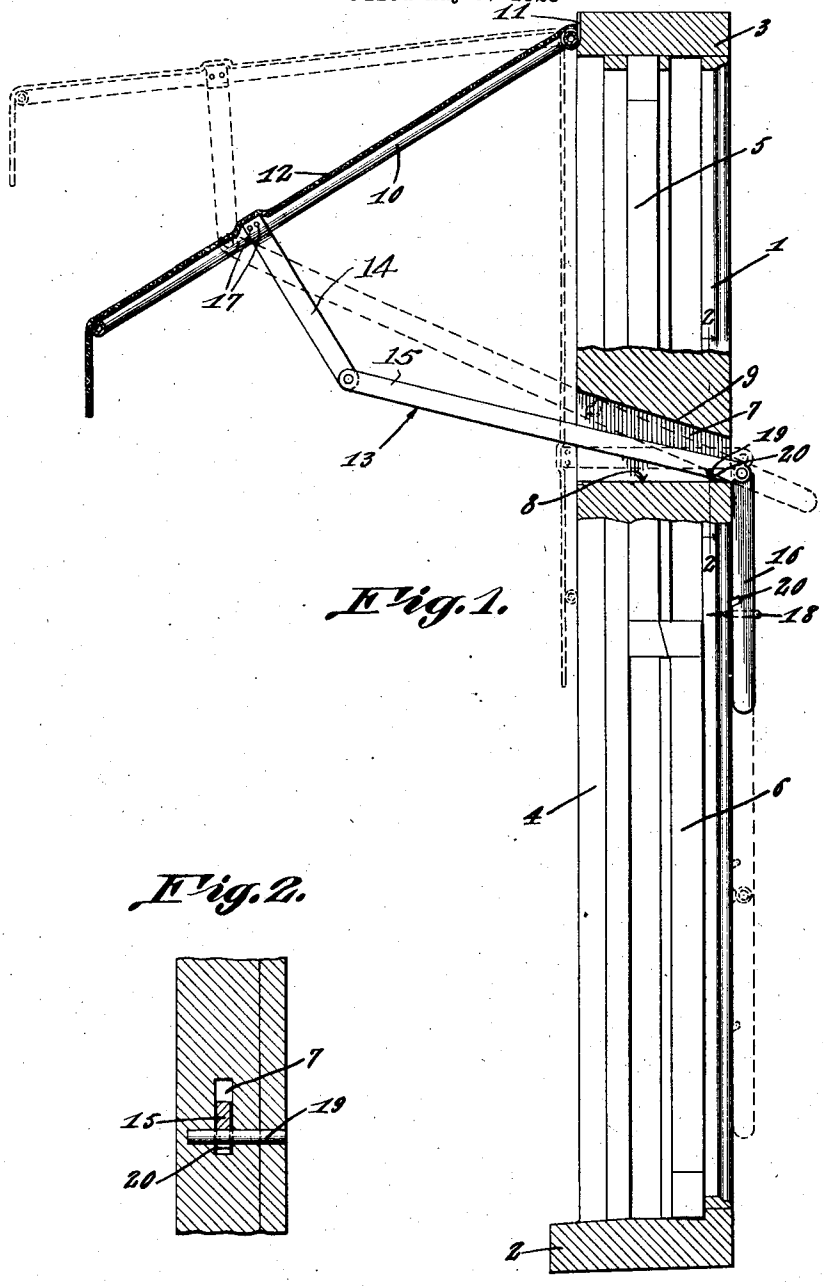


Fig. 1.

Fig. 2.

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UNITED STATES PATENT OFFICE.

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SHADE OR AWNING RAISING DEVICE.

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This invention relates to awning raising devices and pertains particularly to a device in which an awning may be raised or lowered from the interior of a building, with quickness and ease.

The primary object of this invention is the provision, in a manner as hereinafter set forth, of a means whereby an awning may be raised from the interior of a building without the use of ropes or pulleys, and such means is further employed for locking the awning in lowered position so that the same may be used as a window protector in addition to its use as a shade for the window.

The invention contemplates the provision of a jointed arm, formed in three or four sections, and this arm is extended through a triangular passage formed transversely through the window frame over which an awning is secured so that, a person upon the inside of the window can extend or retract the awning controlling arm through the aperture to raise or lower the awning. Provision is made in the aperture whereby the arm can be secured in a plurality of positions to hold the awning high up or at an inclination before the window. When the awning is fully down the arm extends completely through the window frame and is so formed that it hangs directly down along the inner face thereof against which it can be secured thus fastening the awning in depending position before the window.

A final object of this invention is the provision, in a manner as hereinafter set forth, of an awning manipulating means which is simple in construction, light but strong and durable, and easy to operate.

In the drawing:—

Figure 1 is a vertical longitudinal section through a window frame and through an awning secured thereto, showing the device embodying this invention as applied.

Figure 2 is a section taken upon the line 2—2 of Figure 1.

Referring now to the drawing in detail wherein like numerals of reference indicate corresponding parts throughout, a window frame is indicated generally by the numeral 1. This frame comprises the usual sill 2 top 3 and sides 4, one only of which sides is shown. An upper and lower sash is indicated respectively by the numerals 5 and 6.

Formed through one side of the frame is a slot or passage indicated generally by the numeral 7, the bottom 8 of this passage being horizontal and the top portion 9 inclined upwardly as shown from the inner side to the outer side of the frame.

In conjunction with a rectangular awning frame indicated at 10, which is pivotally secured as at 11 to the top part of the window frame upon the outside and which also has thereover and carries the awning 12, there is secured the jointed arm indicated generally by the numeral 13. This arm is formed in three sections 14, 15 and 16 respectively and extends through the slot 7 as shown. The joints are hingedly secured together as shown, the hinge 21 between the sections 14 and 15 being freely pivoted while the connection between the portions 15 and 16 is a butt-hinge 22, by means of which these two sections will assume the rigid extended position shown in dotted lines in Figure 1, when the awning is raised to its full height. The outer end of the portion 14 is riveted as at 17 to one side of the said frame. The length of the section 14 is substantially equal with the distance through the slot 7 or in other words with the thickness of the window frame 1 thus when the awning is in down position as shown, hanging vertically, the pivoted end of the portion 14 comes just beyond the inner face of the frame so that the portions 15 and 16 can depend along the inner face of the same. In this position the arm is engaged under the right angled end of a hook member 18 to secure it in position thus preventing the awning from being raised by one upon the outside of the window.

Extending transversely of the constricted inner portion of the slot 7 is a pin 19 and the portions 15 and 16 of the arm 13 have their lower edge notched as at 20 for engagement over the pin 19 so that the arm can be held in several extended positions.

It can readily be seen from the foregoing description that when the section 16 of the arm 13 is released from engagement under the right angled portion of the hook 18 that by drawing the arm in or forcing the same outwardly through the slot 7 the awning can be raised or lowered and when the awning has been moved to the desired position it can be so held by engaging the pin 19 in one of the notches 20 in the under edge of the arm.

Although there has been shown and described an awning mounted upon a metal frame it is to be understood that this device can be as readily adapted for use on a solid

shutter which might extend the full length of a window, as for the example the wooden shutters sometimes used before the windows of small stores or shops which are at present either taken out and completely removed from the window or else are hinged at their upper end and are raised and propped from the outside during business hours.

Having thus described my invention what I claim is:—

A window awning raising and securing device for use upon a window frame having an appropriately formed slot through one side thereof, comprising an arm formed into an outer, intermediate and an inner section and adapted to extend through said slot, said outer section being adapted to have one end rigidly secured to an awning frame mounted to swing outwardly from said window frame, a hinge connection between said outer section and the intermediate section, a butt hinge connection between said intermediate section and the inner section, permitting the inner section to swing from aligned relation to the intermediate section to nearly right angled relation thereto, said inner portion when in the latter position with the intermediate portion extended through said slot, lying against the inner face of said frame, means for securing the intermediate portion when extended through the slot, and an angled securing member attached to the inner face of the frame with one portion thereof in spaced parallel relation thereto, beneath which said inner portion is adapted to engage to prevent the shifting of the arm from the outside of the window.

In testimony whereof, I affix my signature hereto.

HENRY H. ROLLINS.