

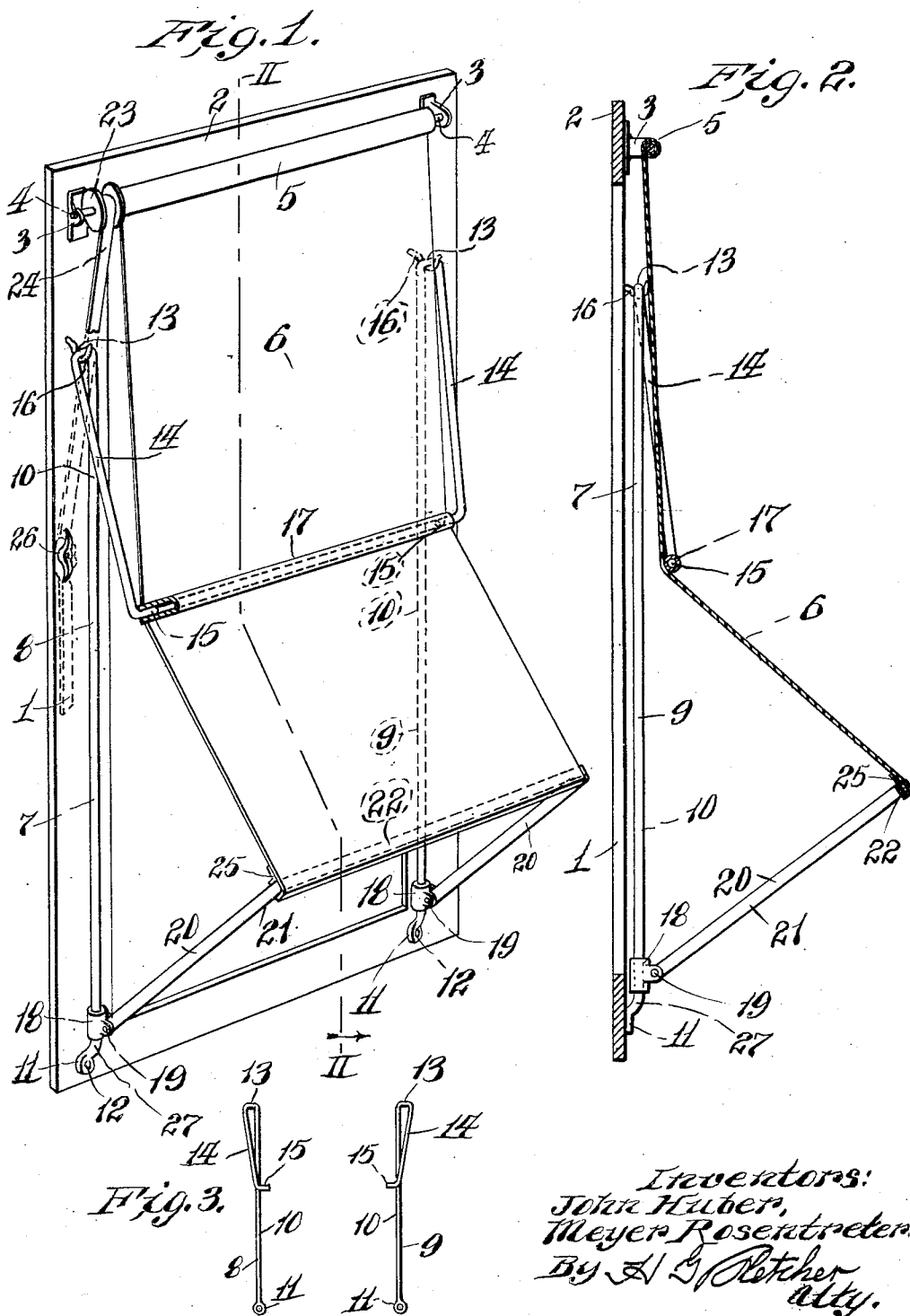
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WINDOW AWNING

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# UNITED STATES PATENT OFFICE

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## WINDOW AWNING

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This invention relates to an improvement in awnings for windows and is co-relative to our pending application, Serial No. 130,854, filed August 23, 1926, and also has for one of its objects, the purpose of providing an awning and an improved frame structure therefor which is simple and inexpensive in its manufacture and in the hanging or mounting thereof.

A further object of the invention is in providing the frame of the awning of a construction to simplify packing and shipping.

Other and further objects will appear in the specification and be specifically pointed out in the appended claims, reference being had to the accompanying drawings, exemplifying the invention, and in which:—

Figure 1 is a perspective view of this improved awning showing it in a lowered position.

Figure 2 is a transverse vertical section taken approximately on the line II—II of Fig. 1.

Figure 3 is a front elevation of right and left frame sections on a reduced scale.

With reference to the accompanying drawings 1 designates a window frame and secured to the upper cross member 2 of said frame are a pair of brackets 3 for the support of the pins 4 of a roller 5, and secured to said roller at one end is an awning fabric 6.

Secured to the window frame 1 is a guiding frame 7, said frame being comprised of a pair of right and left hand sections 8 and 9, each section being made of a single material length which is bent so as to form a vertically disposed guiding leg 10, each leg having a shoe 11 at its lower end. Securing means such as a screw 12 is passed through each shoe for securing the lower end of each leg to the window frame. The upper end of each leg 10 is bent outwardly as designated at 13 and extending downwardly from each portion 13 is a portion 14, each of which depends adjacent a respective leg 10.

Each of the portions 14 at its lower end terminates into a horizontally disposed portion 15. The horizontally disposed portions 15 are relatively short in length and when the sections 8 and 9 are secured in position on the

window frame 1 by the screws 12 and hooks 16 which support the upper ends of the sections, said portions 15 will be in horizontal alignment, and turnably supported at its ends on respective portions 15, is an idle roller 17, said roller in this instance being tubular.

Slidably mounted on each leg 10 is a shoe 18 each having a pair of ears and secured between the ears of each shoe by a pin 19 is a leg 20 of a projecting frame 21, said legs 20 being joined by a horizontally disposed cross portion 22 of the frame 21.

A winding spool 23 is mounted on one end of the roller 5, said spool being for the reception of a tape or cord 24 which is secured at one end to the spool for revolving the roller 5 in a winding direction.

As aforementioned one end of the fabric 6 is secured to the roller 5 whereas the lower end of the winding fabric is secured at 25 to the cross portion 22 of the projecting frame 21.

When an awning and frame of this improved character has been secured to a window frame or the like and it is desired to lift or roll the awning from the positions shown in Figs. 1 and 2, the tape 24 is engaged and pulled, and as one end of the tape is secured to the spool 23, the unwinding of the tape from the spool will cause the roller 5 to turn thereby rolling or winding the awning fabric 6 thereon, and as the legs 20 of the projecting frame 21 are pivoted to respective shoes 18, said projecting frame 21 will be swung upwardly to an approximate vertical position adjacent the window frame.

As the turning of the awning is continued, the projecting frame 21 will be pulled upwardly and said frame 21 will be elevated between the idle roller 17 and the window frame and simultaneous therewith, the shoes 18 will be moved upwardly on respective legs 10 and by continued pulling on the tape, the cross portion 22 of the frame 21 will be elevated to an approximate abutting position with the underside of the roller 5, the awning fabric being completely deposited or wound on said roller.

After the awning has been raised and

wound on the roller 5, it is held in this position by wrapping the extending end of the tape 24 around the securing member 26 which is fastened to the window frame 1.

5 When it is desired to lower the awning, the tape 24 is unfastened from the member 26 and the weight of the projecting frame 21 will pull the awning fabric 6 downwardly thereby unrolling the fabric from the roller 5, said frame 21 lowering until the shoes 18  
10 thereof abut respective bent portions 27 of the legs 10 and at this position of engagement of the shoes 18, the cross portion 22 of the frame 21 will be on a plane below the idle roller 17, and said frame will swing outwardly  
15 beneath the roller thereby projecting the lower portion of the awning fabric outwardly from the window frame to a position where the fabric will be drawn taut by pressing against the underside of the idle roller 17.

20 Obviously, the projecting frame 21 can be held in different positions by holding the projecting frame in different positions of suspension.

25 In mounting this improved awning frame and awning to a window, each section 8 and 9 is first mounted in alining positions with respect to one another against the window frame 1 on respective hooks 16 and are then  
30 secured at their lower ends by the screws 12 and after the mounting of the sections, an idle roller 17 of the required length is engaged at one end over one of the horizontal portions 15 of a respective section and the  
35 downwardly extending portion 14 of the other section is swung outwardly at its lower end to permit the horizontal portion 15 of the other section to be engaged in the opposite end of the roller. With this improved  
40 sectional frame, it is obvious that the handling, packing and shipping thereof can be expeditiously carried out.

It is to be noted that the portion 13 of each section 8 and 9 is turned outwardly from one  
45 another in a manner wherein the portion 14 which extends downwardly from respective portions 13 will be disposed outwardly from respective legs 10, each of the portions 14 however inclining inwardly as they depend  
50 downwardly to pass adjacent the legs 10. (See Fig. 3.) This outward turning of the portions 13, provides for there being ample width between the upward ends of the portions 14, so that the projecting frame 21  
55 can readily travel upward without striking either of the portions 14 in the event that the awning fabric is shifted endwise on the roller during upward or downward travel.

60 While a winding spool 23 and a tape 24 wound on the spool is shown for the purpose of operating the roller 5 in a winding direction, it is however obvious that a spring roller can be provided to a winding structure of this improved character in which the down-  
65 ward pulling of the awning fabric would

charge the spring of the roller, and the charged spring would subsequently turn the roller in a winding direction.

What we claim is:—

1. A frame for an awning comprising a pair of right and left sections each having a vertically disposed leg, each leg at its upper end being bent outwardly and downwardly, the outwardly bent portions of said legs being oppositely disposed from each other, each of said downwardly extending portions having a horizontally disposed projecting part, and a horizontally disposed cross member secured at each end to a respective projecting part of each leg of said sections.

2. A frame for an awning comprising a pair of right and left sections each having a vertically disposed leg, each leg at its upper end being bent outwardly and downwardly, the outwardly bent portion of each leg paralleling the window frame, each of said downwardly extending portions at their lower ends having a horizontally disposed projecting part, and a horizontally disposed cross member turnably secured at each end to a respective projecting part of each leg of said sections.

3. A frame for an awning comprising a pair of vertically disposed legs, each leg at its upper end being bent outwardly and downwardly, the outwardly bent portions of said legs being oppositely disposed, each of said downwardly extending portions having a horizontally projecting part, and a transversely disposed cross member turnably secured on and between said parts of said downwardly extending portions.

4. A frame for an awning comprising a pair of vertically disposed legs, each leg at its upper end being bent outwardly and downwardly, the downwardly extending portion of each leg inclining forwardly and inwardly from the vertically extending portion, each downwardly extending portion having an angularly bent projecting part, and a cross member mounted at its ends on respective projecting parts of said downwardly extending portions.

5. A frame for an awning comprising a pair of vertically disposed legs, each leg at its upper end being bent outwardly and downwardly and inclining forwardly and inwardly from respective vertically extending portions, each downwardly extending portion having an angularly bent projecting part, and an idle roller mounted at its ends on respective projecting parts.

6. A frame for an awning comprising a pair of vertically disposed legs, each leg at its upper end being bent outwardly and downwardly and inclining forwardly and inwardly from respective vertically extending portions, each downwardly extending portion having an angularly bent projecting part, and an idle roller mounted at its ends on

respective projecting parts, said vertically disposed legs serving as guiding elements for the ends of a projecting awning material frame, said idle roller serving as a guiding element for the awning material.

7. A frame for an awning comprising a pair of right and left sections which are adapted to be secured to a window, each section comprising a vertically disposed leg having an outwardly bent portion disposed parallel to the window frame at its upper end and a downwardly extending portion leading from said outwardly extending portion, each of said downwardly extending portions at its lower extremity having an angularly disposed part, and a guiding element supported on and between said parts.

8. A frame for an awning comprising a pair of right and left sections which are adapted to be secured to a window, each section comprising a vertically disposed leg paralleling the window and held at a distance therefrom and having an outwardly bent portion at its upper end and a downwardly extending portion leading from said outwardly extending portion, said downwardly extending portions inclining forwardly and inwardly towards each other at their lower ends and each having an angularly disposed part at its lower extremity, and an idle roller mounted at its ends on respective angularly disposed parts of said sections.

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