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COMBINED WINDOW SCREEN AND AWNING

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The present invention provides a combined window screen and awning, wherein the awning is carried by the screen frame and capable of being extended for use, or folded parallel with the screen when not in use.

An object of the invention resides in the provision of a novel construction of means manipulated from the inner side of the screen, for supporting the awning in different elevated positions for use.

In carrying out the invention, I provide a combined window screen and awning including adjustable associated sections, whereby the device as a unit can be varied in size to accommodate itself to different size windows.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a fragmentary view in elevation of a window casing and window, showing the device mounted for use.

Figure 2 is a side elevation of the device showing the awning in its fully extended position for use.

Figure 3 is a similar view showing the awning partly extended for use, with the screen and awning in section.

Figure 4 is a side elevation showing the awning folded parallel against the screen.

Figure 5 is a detail view of the operating rod for the awning supporting means.

Figure 6 is a perspective view of the awning frame.

The device forming the subject matter of the present invention essentially embodies a window screen and awning, the latter being swingingly supported upon the screen and capable of being extended for use as illustrated, or folded parallel against the screen when not in use. In the preferred embodiment of the invention, the screen includes relatively adjustable frame-like sections 10 and 11 respectively, each having secured thereto a screen 12. The awning also preferably embodies relatively adjustable slideably associated sections constituting the awning frame as clearly illustrated in Figure 6, wherein the sections are indicated at 13 and 14 respectively. Each section is substantially rectangular in contour and each section is provided with a suitable awning covering 15. It will be noted upon reference to Figure 6, that the section 13 of the awning is provided with spaced upper and lower parallel guide bars 16 and 17 respectively, while the frame section 14 is provided with a similar guide bar 18 adjacent its lower end. Carried by the frame-like section 14 is an eye 19 which slides upon the guide rod 16 of the section 13, while projecting from the lower portion of the section 14 is an extension 20, terminating in an eye 21 which receives the guide rod 17 of the section 13. An eye 22 is carried by the guide rod 17 adjacent one end thereof and receives the guide rod 18 of the section 14. Manifestly by reason of this construction, the sections 13 and 14 of the awning can be adjusted relatively to vary its size to accommodate windows of different sizes and that the sections are properly held associated and guided in their movement by the arrangement of the eyes and guide rods hereinabove described. Of course, as the awning in its entirety is supported by the sectional screen frame, both the awning and the screen frames 10 and 11 are adjusted as a unit to vary the size of the device as the occasion may require. The awning is supported for swinging movement upon the screen by brackets 23 which receive the corresponding upper portions of the awning frame sections 13 and 14, two of these brackets 23 being carried by the screen section 10, and an additional similar bracket 24 being carried by the screen section 11 as clearly illustrated in Figure 1.

While any suitable means may be employed for supporting the awning in an elevated or extended position for use, I preferably provide sectional brace bars which pivotally connect the awning sections with the sections of the window screen at the opposite sides of the awning as clearly illustrated. Each brace bar includes a pair of pivotally connected sections 24 and 25 respectively, the former being hingedly mounted as at 26 to the lower portion of the adjacent window screen frame, while the latter mentioned section 25 is twisted at an appropriate point in its length as at 27 and terminates to provide a tubular bearing 28 which receives a pin-like extension 29 projecting from the adjacent section of the awning frame as clearly illustrated. The section 24 of the brace bar is slightly longer than the section 25 and extends beyond the pivot 30 thereof, and connected with the upper extremity of each section 24 of the brace bars is an operating rod, by means of which the awning can be either extended for use or folded parallel with the screen when not in use as shown in Figure 4.
There are two of these operating rods, one arranged at each side of the awning, and each rod is made up of a plurality of pivotally connected sections 31a and 31b of varying lengths as clearly illustrated in Figure 5. These rods slide through openings provided in the window screen frame, so that the awning can be manipulated from within the room in a quick and convenient manner. When the awning is fully extended for use as clearly illustrated in Figure 2, certain sections of the operating rod are arranged in angular relation as illustrated, but when the awning is only partly elevated, or only folded parallel against the window screen, a portion of the operating rod is folded to lie against the window screen frame and is held thereto by suitable clamps 32. Consequently, the awning can be held fixed relatively to the window screen frame when not in use, and can also be held fixed with relation to the window screen in different elevated positions for use. Manifestly, I have devised a combined window screen and awning which as a unit is not only susceptible of being adjusted to accommodate itself to windows of different sizes, but one wherein the awning can be very quickly and conveniently manipulated as the occasion may require, while the entire device is very simple in construction and can be folded to occupy a minimum of space when not in use.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily understood, I desire to have it known that I do not limit myself to what is herein illustrated and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim as new is:

A window awning raising and securing device for use upon a screen frame having a slot therein, comprising a collapsible brace bar composed of outer and inner sections pivotally connected together and respectively pivoted at the outer end to the awning and at the inner end to said screen frame, said inner section having its outer end projecting outwardly beyond the pivotal connection of the same with the outer section, an operating rod slideable through said slot and attached at its outer end to the projecting outer end of said inner brace bar section, said operating rod including three sections pivotally connected in end to end relation and successively increased in length from the outer to the inner end of the rod, whereby the two outermost sections can be singly or conjointly arranged downwardly at an angle to the innermost section of the rod to support the awning in different elevated positions for use, and means for holding the innermost section of the rod folded downwardly against the screen frame with the awning partly lowered or for holding the two innermost sections thereof folded against the screen frame with the awning fully lowered.

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