Dec. 1, 1953 L. E. JEFFERSON 2,661,184

AWNING ROPE GUIDE AND PULLEY

Filed Feb. 27, 1952

FIG. 1

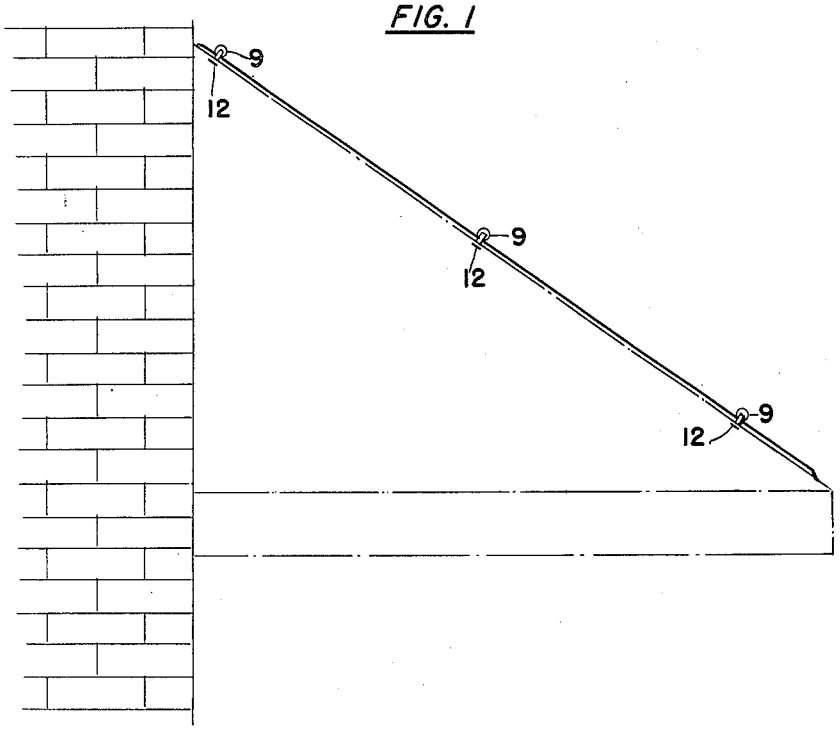


FIG. 2

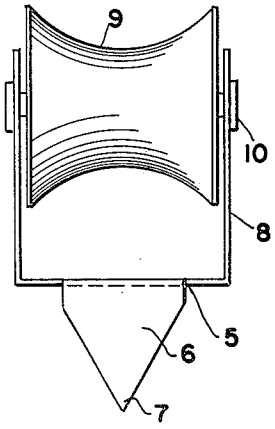


FIG. 3

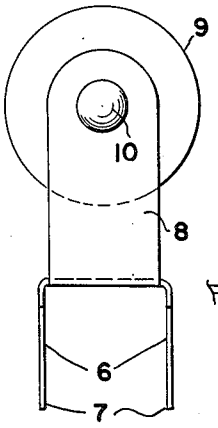


FIG. 4

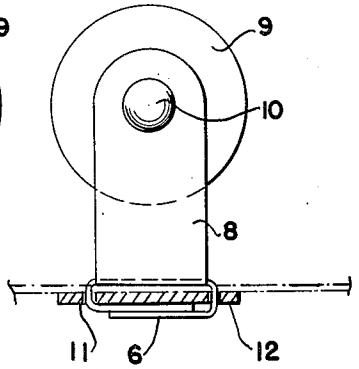
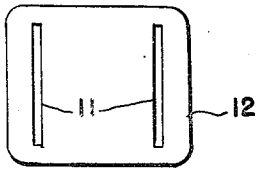


FIG. 5



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AWNING ROPE GUIDE AND PULLEY

Lorenz E. Jefferson, Baltimore, Md.

Application February 27, 1952, Serial No. 273,637

1 Claim. (Cl. 254—190)

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My invention relates to an awning rope guide and pulley therefor, and the purpose thereof is to provide a guide and pulley to retain the operating ropes for raising and lowering the awning therein, and against accidental displacement therefrom.

A further object of my invention is to provide an awning rope guide and pulley of a unitary structure, which may be readily and securely attached to an awning against any lateral or shifting movement when once in position, thus assuring that the raising and lowering ropes will be in alignment at all times, making the operation comparatively easy.

With these and other objects in view, the invention consists of certain novel features, combination and arrangement of parts as will be hereinafter more fully described, pointed out in the accompanying drawing, and claimed.

In the drawing,

Figure 1 is a side elevational view, showing my device attached to an awning and in operation;

Figure 2 is a side elevational view, illustrating the awning rope guide and pulley;

Figure 3 is an end elevational view of the rope guide and pulley;

Figure 4 is an end elevational view, illustrating the manner in which the unit is attached to an awning, through and to an attaching plate; and

Figure 5 is a plan view of the attaching plate.

This particular device is an improvement in rope guides and pulleys for awning ropes for raising and lowering of the awning and the primary purpose of this structure is to provide a unitary structure which comprises a pair of inverted U's stamped from a single blank, the terminals of the upper leg portions of one U having rotatably mounted therein a pulley, and the depending leg portions of the other U terminating into penetrating and fastening prongs, which are adapted to go through openings in a plate to retain the unit as a whole to the awning in a fixed position.

The awning ropes pass through the upper leg portions and engage the pulley and by virtue of the fact that the unitary structure is fixed in a given position to the awning against lateral or any other movement, the actual alignment of the ropes therein is held against any accidental displacement and the ropes are always in alignment.

Heretofore in most of the devices used for guiding the ropes for raising or lowering awnings, the actual rope pulley or guide is movable, thus causing the awning ropes to get out of alignment and make the operation considerably harder and more difficult, whereas in the present invention this is all avoided.

In describing my device, the actual unit is stamped from a blank having a body 5 and the opposing side edges of the body are bent downwardly to provide spaced depending leg portions 6, their terminals terminating into penetrating points 7.

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The diametrically opposed side edges of the body 5 are bent upwardly to provide spaced supporting arms 8, and rotatably mounted between the opposing faces thereof is a pulley 9 mounted on a shaft 10 extending horizontally through the spaced supporting arms 8, adjacent the upper edges thereof.

The penetrating points 7 of the leg portions 6 extend through openings 11 formed in a metal attaching plate 12. Thus, the device as a unit can be firmly fixed in alignment on an awning to receive the pulley ropes between the supporting arms 8 for engagement with the pulley 9, and by virtue of its rigidity in its attachment said ropes are kept in alignment at all times during the raising or lowering of an awning.

In mounting this device on an awning, the penetrating points 7 of the leg portions 6 are forced through the awning proper from the top side and the plate 12 is arranged on the inside and the points extend through the openings thereof and are bent over against the face of the plate and the unit, as a whole, is permanently secured in place.

It is to be brought out that the main purpose of this invention is its simplicity and unitary construction, which renders it comparatively inexpensive to manufacture, and one that is positive in its operation and will prolong the life of the awning as well as the guide ropes used for raising and lowering the same.

It is to be understood that certain minor changes may be resorted to without departing from the spirit and scope of the invention as described and claimed.

What I claim is:

An awning rope guide and pulley, comprising a plate having its side edges bent upwardly and downwardly to provide U-shaped structures, said downwardly depending U structures defining spaced leg portions, their terminals formed into penetrating points, said upwardly extending portions of the U forming spaced supporting arms, said spaced arm portions having a shaft adjacent the upper ends horizontally therethrough, a pulley rotatably mounted on said shaft between said arms, and a slotted attaching plate through which the leg portions extend to rigidly fasten the unit, as a whole, to an awning in position to receive the guide ropes therethrough, for the purpose specified.

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