

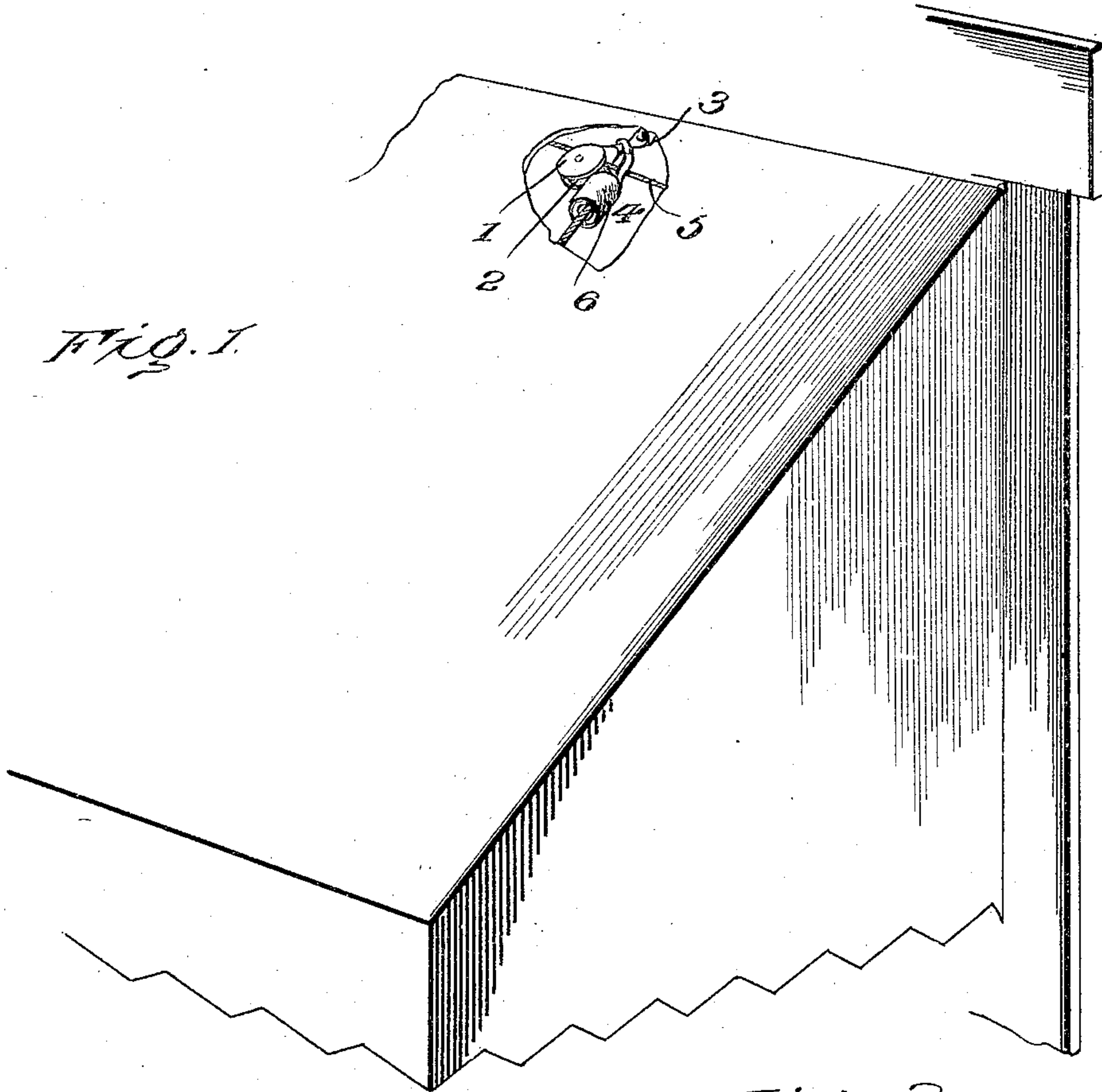
No. 878,054.

PATENTED FEB. 4, 1908.

C. F. FOOTE.

PULLEY.

APPLICATION FILED FEB. 9, 1907.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES F. FOOTE, OF SALIDA, COLORADO.

PULLEY.

No. 878,054.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES F. FOOTE, a citizen of the United States, residing at Salida, in the county of Chaffee and State of Colorado, have invented certain new and useful Improvements in Pulleys, of which the following is a specification.

It is observable in the use of awnings, particularly of the drop or foldable type, that the pulleys through which the operating cords, or ropes, pass enable the canvas, or awning material to be cut, or worn through, quite rapidly, and the rope, or cord itself, to be subjected to unusual wear. This is due in a great measure to the catching of the canvas upon the rope and the tendency to draw the slat canvas either against the pulley block, or into said block and against the pulley.

The present invention has for its object to overcome the abnormal wear upon the material of the awning and the operating rope, or cord, adjacent to the pulley through which the said operating cord, or rope, passes.

The invention consists of a guard arranged adjacent to the pulley and preferably connected with the pulley block, said guard being hollow and adapted to have the operating rope, or cord, passed therethrough.

The invention also consists in the provision of a guard of the character aforesaid which will be flexible and have loose connection with the pulley block so as to readily conform and adapt itself to the direction of strain, thereby minimizing the wear upon both the awning and its operating rope, or cord.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, in which:

Figure 1 is a perspective view of a portion of an awning having the invention applied to the pulley through which the operating rope, or cord passes. Fig. 2 is a

detail perspective view of a pulley provided with a guard constructed in accordance with the invention. Fig. 3 is a view similar to Fig. 2 having the protective covering removed from the guard. Fig. 4 is an edge view of the pulley showing the guard in central longitudinal section.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The pulley illustrated is of the type commonly employed in connection with awnings and comprises block 1, pulley 2, and eye 3 connected to the block by means of a swivel joint. The guard 4 provided for protecting the awning and the operating rope, or cord 5, is hollow to admit of the rope, or cord 5 passing therethrough, said guard being arranged adjacent to the pulley wheel 2 so as to prevent drawing the slack of the awning into the space formed between the pulley wheel and the block, and which is the source of wear upon both the awning and its operating rope, or cord. The guard 4 is preferably attached to the pulley block and is shown applied to the attaching, or suspending eye 3, since the same affords a convenient point of attachment.

In the preferable construction, the guard 4 is constructed of stout wire formed into a coil and having an end portion extended and looped about the eye 3. This construction of guard renders the same flexible and moreover prevents the formation of sharp corners which would rub and otherwise fray the rope, when running therethrough in the raising and lowering of the awning. The guard being flexible and having a loose connection with the pulley block, is adapted to readily conform to the direction of strain upon the operating rope, or cord 5, with the result that the wear upon said rope, or cord, and the awning is reduced to the smallest amount possible.

It is also purposed to cover the guard so as to prevent direct contact of the metal with the canvas, or material of the awning, and for this purpose, a protective covering 6 of canvas, or textile, is fitted about the guard and secured thereto in any manner.

It is preferred to use insulated or cotton covered wire in forming the guard or protector, since it prevents friction on the rope or cord and overcomes rusting when subjected to dampness.

Having thus described the invention, what is claimed as new is:

In combination with a pulley designed for use in connection with awnings or the like,
5 said pulley having an eye connected to the block by means of a swivel joint, a guard arranged adjacent to the pulley wheel and block and adapted to have the operating rope or cord passed loosely therethrough,
10 said guard being constructed of a length of

wire bent into a coil and having an end portion extended and looped about the aforesaid eye of the pulley.

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

CHARLES F. FOOTE. [L. s.]

Witnesses:

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