

(No Model.)

P. C. ROWE.

PULLEY FOR USE IN CONNECTION WITH AWNINGS, &c.

No. 274,036.

Patented Mar. 13, 1883.

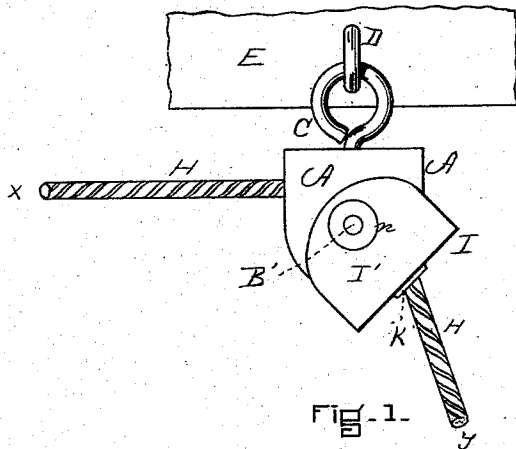


FIG. 1-

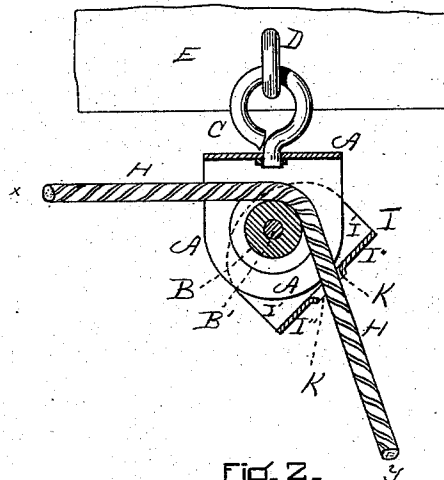


FIG. 2-

WITNESSES

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PHILIP C. ROWE, OF BOSTON, MASSACHUSETTS.

PULLEY FOR USE IN CONNECTION WITH AWNINGS, &c.

SPECIFICATION forming part of Letters Patent No. 274,036, dated March 13, 1883.

Application filed December 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, PHILIP C. ROWE, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Pulleys for Use in Connection with Awnings, &c., of which the following is a specification.

In lifting awnings by means of ropes passing through pulleys the cloth is very liable to become caught in the pulleys, between the sheaves and shells thereof, and hence to become torn. The object of this invention is to provide a pulley for such and similar purposes so guarded that the fabric cannot enter it and become caught therein.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a view of a pulley embodying my invention. Fig. 2 is a sectional view of the same.

A is the shell, and B the sheave, of a pulley, the former being provided with the swiveled eye C, catching in the screw-eye D, screwed into the timber E. The rope H passes through the pulley, the end y connecting with the awning. To lift the awning, the rope is drawn toward the end x, and as the awning draws near the pulley it is liable to be pulled into it and torn, as above mentioned. To prevent this I have provided the guard I, hanging loosely, by means of its sides I', from the outer ends of the shaft B' of the sheave B, and provided with a hole, k, in its lower or outer portion, I'', through which the rope passes. *nn* are washers placed between the shell and guard. The hole k being only large enough to allow of the easy passage of the rope H, none of the canvas or cloth of which the awning is made can be drawn into the pulley.

The guard I may be of any suitable material, either whole sheet metal or wire-cloth, and swings freely, so as to conform to the line of direction of the rope. The shape may be somewhat varied.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. As an improved article of manufacture, the herein-described pulley for awnings, consisting of the frame A, provided with the swivel-eye C, screw-eye D, sheave B, and guard I, provided with an opening, k, in its face portion, and pivoted to the shaft B' of the sheave B, all substantially as and for the purpose specified.

2. In a pulley, the frame A, having sheave B, swivel-eye C, and screw-eye D, and provided with the guard I, of a shape corresponding to the said frame A, and pivoted thereto by the shaft B', and provided with an opening, k, substantially as and for the purpose specified.

3. In a pulley, the frame A and guard I, of corresponding shape, pivoted together at the center by the shaft B' of the sheave B, and otherwise adapted for operation, substantially as and for the purpose specified.

4. In a pulley, the combination, with the frame A, having swivel-eye C, screw-eye D, and sheave B, of the guard I, of a shape corresponding to the said frame A, having opening k, and pivoted to the shaft B' of the sheave B, substantially as and for the purpose specified.

PHILIP C. ROWE.

Witnesses:

HENRY W. WILLIAMS,
JOSEPH ISHBAUGH.