

(No Model.)

W. H. BAKEWELL.

AWNING PULLEY.

No. 346,084.

Patented July 27, 1886.

Fig. 1.

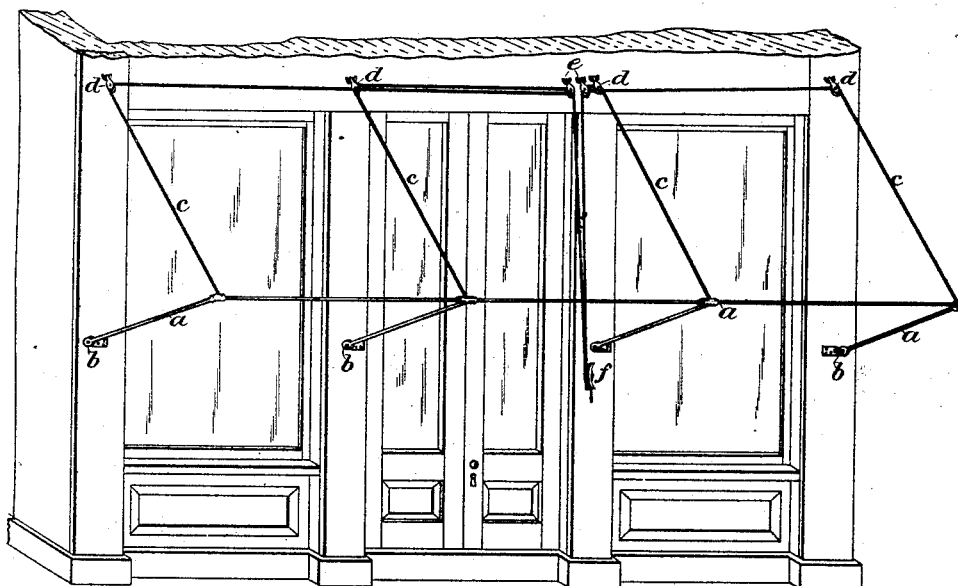


Fig. 2.

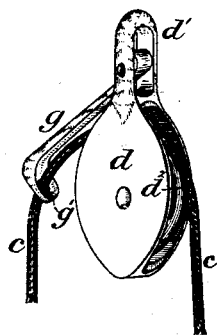


Fig. 3.

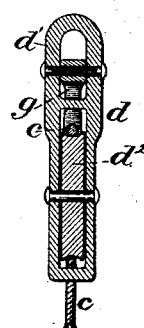
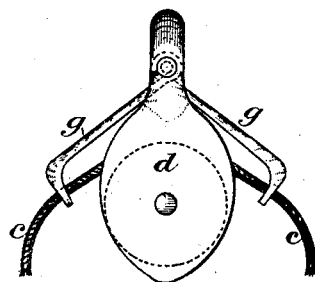


Fig. 4.



Witnesses.

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AWNING-PULLEY.

SPECIFICATION forming part of Letters Patent No. 346,084, dated July 27, 1886.

Application filed March 28, 1885. Serial No. 160,403. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BAKEWELL, of Allegheny, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Awning-Pulleys; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention in sheave-blocks for awnings is designed to obviate the trouble and injury now experienced from the awning material being drawn into the sheave-block and being caught and cut by the sheave. This is due to the fact that the sheave is either inadequately protected or not protected at all, so that the canvas which lies on the rope or cord is pulled in between the sheave and its case by the friction of the rope, and can be loosened only by hand or by dropping the awning-roller, so as to draw the rope out again and with it the canvas. When the latter is tightly jammed in, it is often cut by the sheave in the efforts to loosen it.

My improvement consists in supplying the sheave with a pivoted guard or stripper, one end of which is pivoted to the pulley-block and the other projects over the sheave in the direction of the awning and rests loosely on top of the cord or rope, so that when the awning is drawn up the canvas will be raised or guided up off of the cord and pass freely over the pulley-block, so as not to be drawn into the block by the cord.

To enable others skilled in the art to make and use my invention, I will now describe it by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a storefront provided with an awning-frame of a common type. Fig. 2 is a perspective view of my improved sheave-block. Fig. 3 is a vertical cross-section. Fig. 4 is a side view of a modification.

Like letters of reference indicate like parts. In Fig. 1, *a* indicates a frame, which is usually composed of iron rods, and is pivoted to the store-front, as at *b*. The frame is sup-

ported by the cords *c*, which extend up to the sheave-blocks *d*, and pass thence to guide-sheaves *e*, whence they extend down to the fastening-cleat *f*. The sheave-blocks *d* are the ones into which the canvas is liable to be drawn by the ropes *c*. The sheave-block *d* is of the usual construction, except that it is provided with a guide-arm, *g*, which is pivoted on a suitable pin in the stock or eye *d'*, or to the suspending staple, and extends tangentially over the sheave *d''*. The outer end of the arm *g* is bent, and there is a hole, *g'*, through the bent end for the passage of the cord *c*. This construction is the better one, but is not absolutely necessary, as the arm may rest loosely on top of the rope, instead of the latter passing through it. Thus constructed, the sheave-block is used in the ordinary way. The arm *g* extends in the direction of the awning on top of the cord *c*, so that the canvas which rides upon the cord shall be raised by the arm off of the rope and be unable to enter the sheave-block. Thus the sheave always runs free, and the canvas cannot be cut or injured thereby. The labor of raising the awning is lighter and less vexatious than before.

My improved sheave-block is applicable to other uses, where a cord or rope sustaining a sail, awning, canvas, or other sheet is drawn toward the block. For some uses on ship-board a sheet or canvas is drawn over or toward the block in both directions. In such case I would use the construction shown in Fig. 4, where a pivoted guide, *g*, extends on both sides.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of a sheave-block with a loosely-pivoted stripper extending tangentially over the sheave, substantially as and for the purpose specified.

In testimony whereof I have hereunto set my hand this 13th day of March, A. D. 1885.

WILLIAM H. BAKEWELL.

Witnesses:

W. B. CORWIN,
THOMAS B. KERR.