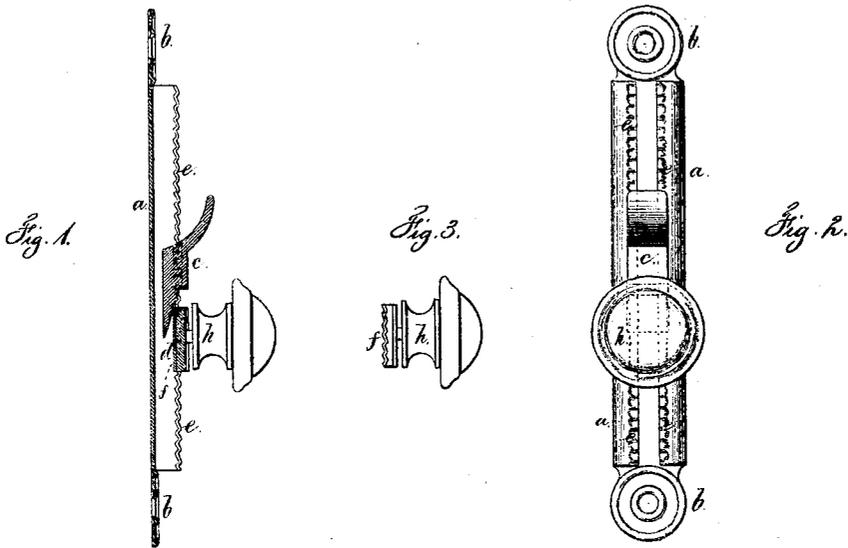


ELISHA TURNER.

Improvement in Curtain-Fixtures.

No. 114,494.

Patented May 2, 1871.



Witnesses.

Chas. H. Smith
Geo. Smarier.

Elisha Turner
Lemuel M. Penell atty.

United States Patent Office.

ELISHA TURNER, OF WOLCOTTVILLE, CONNECTICUT.

Letters Patent No. 114,494, dated May 2, 1871.

IMPROVEMENT IN CURTAIN-FIXTURES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ELISHA TURNER, of Wolcottville, in the county of Litchfield and State of Connecticut, have invented and made a certain new and useful Improvement in Curtain-Fixtures; and the following is hereby declared to be a full and correct description of the same.

A slide and pulley for the cord of a curtain-fixture have heretofore been made, in which the rack has been upon the back of the slide, and the stock or block carrying the cord-pulley has been provided with a tooth to take the said rack, and said block has been clamped by a wedge sliding in the slot of the slide, as may be seen in Letters Patent granted March 5, 1867, and numbered 62,635.

My invention relates to the construction of a slide and pulley-block of above general character, but I make the slide of sheet metal, so as to make a cheaper article than one made of cast metal, and I form the rack upon the back of the slide in such a manner that the slide is much stronger than those sheet-metal slides heretofore made, in which no rack is employed.

I make use of a slide stamped from sheet metal, and bent to the proper shape, so as to receive the sliding block and wedge, said block and wedge sliding within the open-ended slot in the slide.

I form the teeth or rack upon the back of the slide by stamping the sheet metal of the slide at the sides of the slot, so as to form corrugations in the same of a sufficient depth to receive correspondingly-shaped corrugations upon a piece of sheet metal attached to the pulley slide or the wedge-block.

These corrugations upon the slide and block form rack-teeth, which, while the block can be easily moved up and down the slide, hold the block in the desired position when the wedge presses the parts together.

In the drawing—

Figure 1 is a vertical section of said shade-rack and pulley, and

Figure 2 is an elevation of the same.

Figure 3 is an elevation of the pulley and its block. *a* represents the sheet-metal slide, provided with the ears and holes *b* for the nails or screws, by which it is attached to the window-casing, and this slide is to be stamped from sheet metal and bent to the desired shape, so as to leave the longitudinal slot within which the wedge *c* and pulley-block *d* slide.

e e are the rack-teeth upon the sides of the slide *a*, adjacent to the slot, and these teeth are made by stamping the sheet metal so as to produce corrugations in the same and form a rack upon the slide on each side of the slot.

These corrugations give an ornamental appearance to the face of the slide, and also strengthen said slide by stiffening the metal at the sides of the slot.

The block *d* is fitted to slide in the slot of *a*, and is provided with the cord-pulley *h*, as usual.

The plate *f* of said block is of sheet metal, and its sides are formed with corrugations similar to those upon the slide *a*, and act as teeth to take the racks *e e*.

These teeth being of rounded form the block *d* can easily be slid over the racks *e e*, and yet securely clamped by the wedge *c*, which wedge slides in the slot of *a* and is of usual character.

A shade constructed in this manner can be made much lighter than those made of cast metal, and consequently much cheaper, and also lighter and stronger than those made heretofore of sheet metal, in which no rack is made use of, and the corrugations showing upon the face of the slide add to the neatness and general appearance of the same.

The corrugated plate *f* may be attached upon the wedge *c* and outside the slide *a*, or the parts may be reversed in position. Under all circumstances the corrugated plate *f* is more reliable, neater, and stronger than the teeth or pawls heretofore employed.

I claim as my invention—

1. The corrugated plate *f* upon the slide of the curtain-rack, and pressed to the corrugated surface of such rack by the action of the wedge, as and for the purposes set forth.

2. The curtain-rack slide, made of sheet metal, with corrugations at the edges of the slot, which corrugations are upon the inner and outer surfaces and act to hold the rack-pulley, and also to strengthen and ornament the face of the slide, as set forth.

Signed by me this 1st day of April, A. D. 1871.

E. TURNER.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.