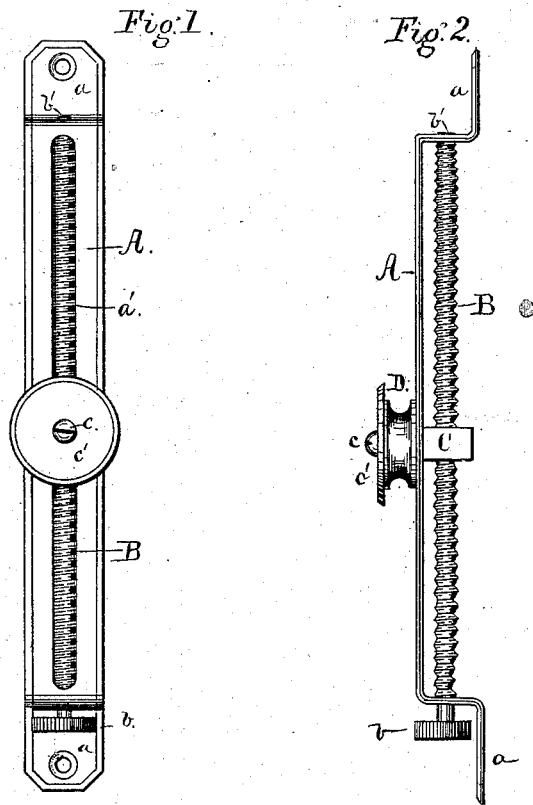


F. E. PORTER & D. A. BEATSON.

Curtain-Cord Tightener.

No. 205,414.

Patented June 25, 1878.



Witnesses,

W. A. Buttram

L. H. Barclay

Inventors,

F. E. Porter

by David A. Beatson,

A. W. Williams

Attorney.

# UNITED STATES PATENT OFFICE.

FREDERICK E. PORTER, OF BALTIMORE, MD., AND DAVID A. BEATSON, OF  
NEW YORK, N. Y.

## IMPROVEMENT IN CURTAIN-CORD TIGHTENERS.

Specification forming part of Letters Patent No. **205,414**, dated June 25, 1878; application filed  
May 31, 1878.

*To all whom it may concern:*

Be it known that we, FREDERICK E. PORTER, of Baltimore, Maryland, and DAVID A. BEATSON, of the city, county, and State of New York, have invented certain new and useful Improvements in Curtain-Cord Tighteners; and we hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which the said device is illustrated in front and side elevation.

This invention relates to that class of devices in use for tightening the cords of window-blinds; and it consists in such a device, constructed as hereinafter described.

In the drawings, A represents a suitable piece of sheet metal having a longitudinal slot, *a'*, and being bent twice at right angles at either end to form tangs *a*, which are perforated, as shown, for the securing screws or tacks. This portion of the device is conveniently struck up at one operation by means of a die.

A screw, B, extends from end to end of the plate A, being secured after the manner of a rivet at *b'*, but being free to turn. At the opposite end the screw is furnished with a milled head, *b*. A block, C, appropriately threaded, is mounted upon the screw B, and to it is secured the roller D by means of a screw, *c*,

passing through a disk, *c'*, and into the block C. The roller D is adapted to receive the curtain-cord, whose tension may be readily regulated by turning the screw B by means of the milled head *b*.

As is evident, the device is thoroughly efficient in operation, simple in construction, and trifling in cost.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The device herein described, consisting of the slotted sheet-metal plate A, struck up, as shown, and having perforated end pieces *a*, screw B, block C, and roller D, substantially as described.

2. In combination with the sheet-metal strip A, having slot *a'* and struck up to form end tangs *a*, perforated as shown, the milled-head screw B, block C, roller D, and disk *c'*, substantially as shown and described.

FREDERICK E. PORTER.  
DAVID A. BEATSON.

Witnesses as to F. E. Porter:

H. W. B. REID,  
A. H. JEFFERIS.

Witnesses as to David A. Beatson:

JESSE K. FURLONG,  
EDW. J. KNIGHT.