J. S. Ostrander,

Curtain Fixture.

No. 91,660. Patented June 22. 1869.

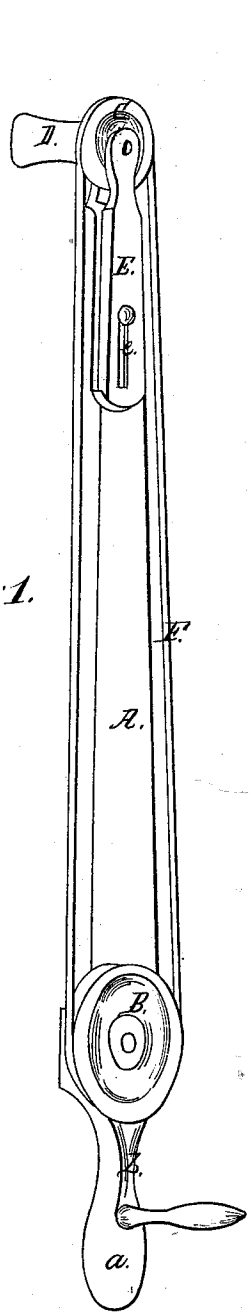


Fig. 1.

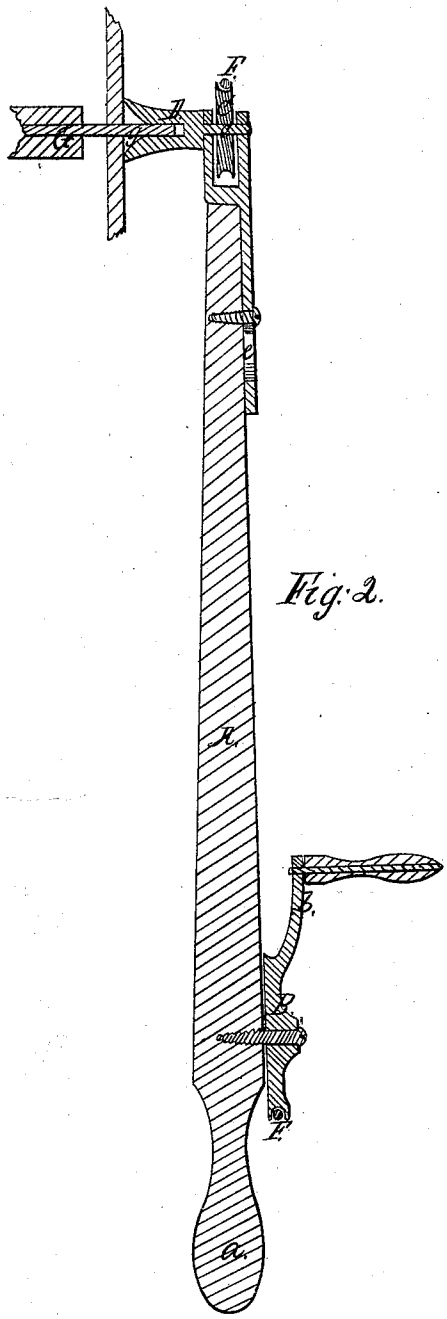


Fig. 2.

Witnesses.

Alex. Selkirk

James A. Buckbee Jr.

Inventor.

James S. Ostrander

N. Peters Photo-Lithographer, Washington, D.C.

United States Patent Office.

JAMES S. OSTRANDER, OF ALBANY, NEW YORK.

Letters Patent No. 91,660, *dated June* 22, 1869.

IMPROVED APPARATUS FOR WINDING MAPS, SONGS, CURTAINS, &c.

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, JAMES S. OSTRANDER, of the city and county of Albany, State of New York, have invented a new and improved Device for Revolving or Turning, as may be required, Curtain or other Rollers or Spindles, and the like, which may be beyond the reach of a person desiring to operate them; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of the invention.

Figure 2 is a longitudinal section of the same.

Rollers for curtains, maps, illustrations of lessons, songs, and the like, when placed high above the reach of the hands, have been operated by cords and pulleys, connecting each with their individual roller, to serve as a means to operate the same, and can only be thus arranged and operated at considerable expense, where many are used in a room or building, as each must necessarily be furnished with its individual cord and pulleys; and while cords and pulleys are necessary, they are to be considered, as now used, as necessary adjuncts, and not adornments, be they as handsomely fitted and arranged as they possibly may be.

Another objection to such fixed individual cords and pulleys is, that persons other than those whose duty or business it is to operate such rollers, can have equal facilities for effecting a change, which, under some circumstances, would not be advantageous or desirable.

By my invention, I afford a ready means of operating such rollers, which consist in a long-handled bar or staff, provided with a pair of pulleys and an endless cord, operated by a crank attached to one of the pulleys, placed near the handle of the staff, which crank, when turned, revolves or turns a key attached to the second pulley, placed on the further end of the staff.

The bearings of the second or further pulley are provided with a slotted shank, which will permit the cord being tightened when desired.

To enable others skilled in the art to make and use my invention, I will proceed to describe in reference to the accompanying drawings, and the letters of reference marked thereon, the same letters indicating like parts.

In the drawings—

A represents a bar or staff, of wood or metal, of suitable length, which would enable the person to reach a roller or other device to be operated.

The lower end of the said bar or staff terminates in a suitable handle, *a*, for the operator to grasp.

Placed just above the handle *a* is the pulley B, provided with a crank, *b*.

Placed at the further end of the bar or staff A is a second pulley, C, having its bearings attached to a shank or sliding piece, E.

The said shank or sliding piece E is secured to the end of the bar A, by means of a set-screw working through the slot *e* of the shank E, by which the pulley C can have its distance from the pulley B increased or lessened.

Attached to the shaft *c* of the pulley C is a winding key or wrench, D, which revolves with the said pulley C.

The said winding-key or wrench D is provided with a square hole running longitudinally, and is intended to receive the spindle of whatever is intended to be turned or rolled when the said pulley is operated.

An endless cord, F, connects and runs with the two pulleys B and C, and when the crank *b* is turned, the pulley B will, by means of the cord F and the pulley C, cause the wrench-key D to rotate and roll or unroll a curtain or the like, to which this invention may be attached or applied.

To operate with this device, the operator reaches with the upper end of the staff the spindle *g*, of the roller G, fig. 2, and slips the wrench-key D on the spindle *g*, and turns the crank *b*, which rotates, as has been described, the wrench-key D, applied to the spindle of the large roller G, and rolls or unrolls it, as may be required.

Having described my invention,

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

1. The revolving wrench or key D, in combination with the pulley C, substantially as described, for the purpose set forth.

2. The pulleys B and C, and cord F, in combination with the staff A, substantially as described.

JAMES S. OSTRANDER.

Witnesses:

ALEX. SELKIRK,

CHARLES SELKIRK.