

W. T. FRY.
Curtain Cord-Holders.

No. 147,493.

Patented Feb. 17, 1874.

Fig. 1.

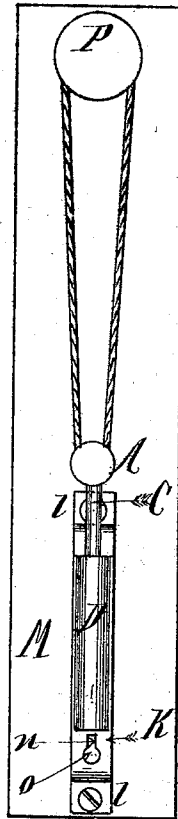


Fig. 2.

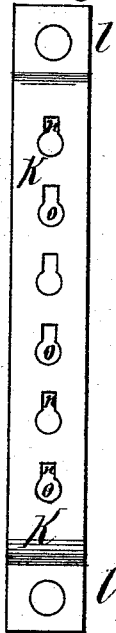
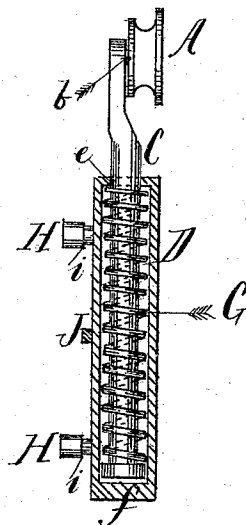


Fig. 3.



Witnesses:
Franklin Barritt.
Richard Gerner.

Inventor:
William T. Fry.
Per: Henry Gerner, Atty.

UNITED STATES PATENT OFFICE.

WILLIAM T. FRY, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CURTAIN-CORD HOLDERS.

Specification forming part of Letters Patent No. **147,493**, dated February 17, 1874; application filed January 3, 1874.

To all whom it may concern:

Be it known that I, WILLIAM T. FRY, of Brooklyn, county of Kings, State of New York, have invented certain Improvements in Shade-Cord Holders, of which the following is a specification:

The object of my invention is to prevent the slipping of the shade-cord from the roller and the accidental unrolling of the shades.

My invention consists in securing the pulley of the cord-holder to a square rod or arm, which is inserted into a cylinder having a square opening at the top, and which is closed at the bottom. Inside of this cylinder is placed a spiral spring, surrounding the rod, and serving to keep the same down to the bottom of the cylinder. On the back and outer side of this cylinder are two projections at or near the ends of the cylinder. These projections are provided with shoulders, which serve to hold the cylinder firmly to a hollow plate fastened to a wooden frame. This hollow plate is provided with a number of longitudinal slots at equal distances apart from each other, and so arranged that the projections of the cylinder will fit the slots when placed opposite. To prevent the cylinder from accidentally becoming detached from the plate before the cord is placed over the pulley, the slots are made narrow at the top, and terminating in a rounded opening at the bottom. By arranging the projections slightly farther apart than the rounded openings are, the cylinder is prevented from detaching

itself from the plates, even when the cylinder is not held up by the cord. By having attached to the back of the cylinder a square shoulder or rest, the same is held parallel to and a proper distance from the plate.

In order to more fully describe my invention, I refer to the accompanying drawing forming a part of this specification.

Figure I is a front view of a cord-holder embodying my invention. Fig. II is a detached enlarged top view of the hollow plate. Fig. III is a detached enlarged sectional view of the cylinder.

A is the pulley, pivoted at *b* to the rod C; D, the cylinder, with the square opening *e* at the top and closed at the bottom at *f*; G, the spiral spring; H H, projections provided with shoulders *i i*; J, the rest on the back of the cylinder; K, the hollow plate, fastened at *ll* to a window-frame, M; *n n*, slots, with the rounded openings *o o* at the bottom; and P, a pulley attached to the shade-roller.

Having thus described my invention, I desire to claim—

A shade-cord holder consisting of cylinder D, with projections H H, rod C, spiral spring G, plate K, holes *o*, slots *n*, and pulley A, substantially as and for the purpose set forth.

W. T. FRY.

Witnesses:

RICHARD GERNER,
VALENTINE DIXON.