

HENRY BINDER.

Improvement in Reversible Curtain Fasteners.

No. 118,781.

Patented Sep. 12, 1871.

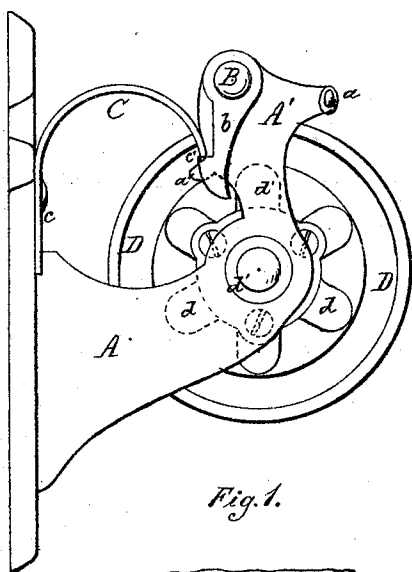


Fig. 1.

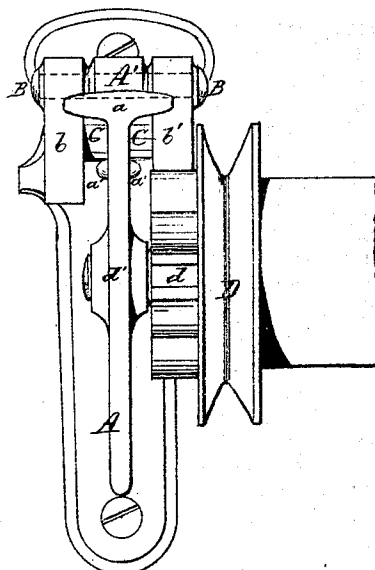


Fig. 2.

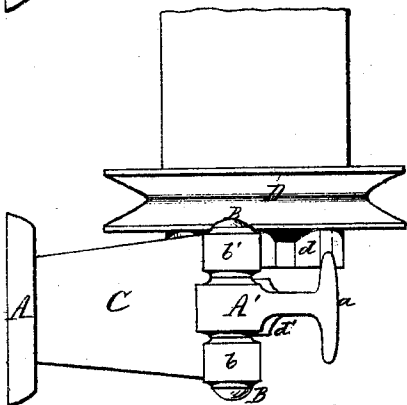


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY BINDER, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN REVERSIBLE CURTAIN-FASTENERS.

Specification forming part of Letters Patent No. 118,781, dated September 12, 1871.

To all whom it may concern:

Be it known that I, HENRY BINDER, of St. Louis, in the county of St. Louis and State of Missouri, have made a certain new and useful Improved Reversible Curtain-Fastener; and I do hereby declare that the following is a full and true description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention relates to devices by which curtains and similarly-arranged fixtures are retained in any required position and locked, when desired, in such positions. The nature thereof relates principally in casting the ordinary hangers with additional bearing surfaces, and to which a pawl is hinged on both sides, impinging against a spring attachment; also in casting the ordinary grooved wheel with side cogs so as to permit a ready winding of the curtain, but engage by its cogs against said pawls to prevent the sudden droppage of the curtain and forming a right-and-left locking device, as now to be more fully described.

To enable those herein skilled to make and use my said improvements I will now more fully describe the same, referring to—

Figure 1 as a side or end elevation, to Fig. 2 as a front elevation, to Fig. 3 as a top plan.

The curtain-hangers A, of the usual form, are cast, however, with additional projecting part A', having tip-end projections *a* and a rear projection, *a'*, in form and manner indicated in Fig. 1. To a pin, B, passing through bearing part A', are hinged loosely, on either side thereof, the pawls *b b'*. These, by their ends, impinge against a spring attachment, C. Said spring C is secured to the back plate at *c*, its other end, *c'*, resting against the rear projection *a'*, as shown in Fig. 1. The said improved hanger A thus constructed is secured for its purpose in manner usual. The grooved pulley-wheel D is cast with side cogs *d*. (See Fig. 1.) Otherwise, said pulley is formed in manner usual, to be inserted in the bearing *d'*

of the hanger. The curtain-stick is fitted and secured to said pulley as usual.

By the proper arrangement of parts the curtain can readily be wound, the pawls *b b'* playing loosely; but as soon as wound as desired the curtain is retained in position by the operating-pawl engaging in the cogs of the pulley D. A sudden droppage of the curtain is thus immediately arrested.

The spring C counteracts excess of weight of the curtain, facilitates an easy operation of parts in winding, and also prevents injurious shocks to the winding-cord. The pawls are prevented from disengagement or flying out of position by the projections *a*. (See Figs. 2 and 3.)

It will be observed that, as the pulley can be used on either side of the hanger A, a right-and-left locking-fastener is formed. Also my improvement is especially adapted to prevent the inconvenience arising when iron rods are attached to hanging curtains, and which, by their weight and the insecure manner in which they are held by the ordinary fastener devices, frequently drop; besides rendering it difficult for raising and lowering the curtain.

The improvements here presented are simple, cheap, and durable, and applicable to all sizes and manner of curtain-fixtures.

Having thus fully described my said invention, what I claim is—

1. The hanger A, cast with bearing part A', having projections *a a'*, and provided with pawls *b b'* and spring C, substantially as and for the purpose set forth.

2. The combination of pulley D cast with cogs *d*, when arranged with hangers A, constructed as described, substantially as and for the purpose set forth.

In testimony of said invention I have hereunto set my hand.

Witnesses:

HENRY BINDER.

WILLIAM W. HERTHEL,
FRED NOVERY.