

Chase & Loughborough

Curtain Fixture.

N^o 47,392

Patented Apr 25, 1865

Fig. 1

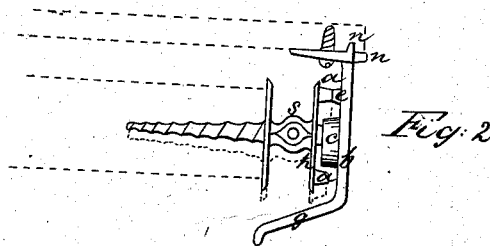
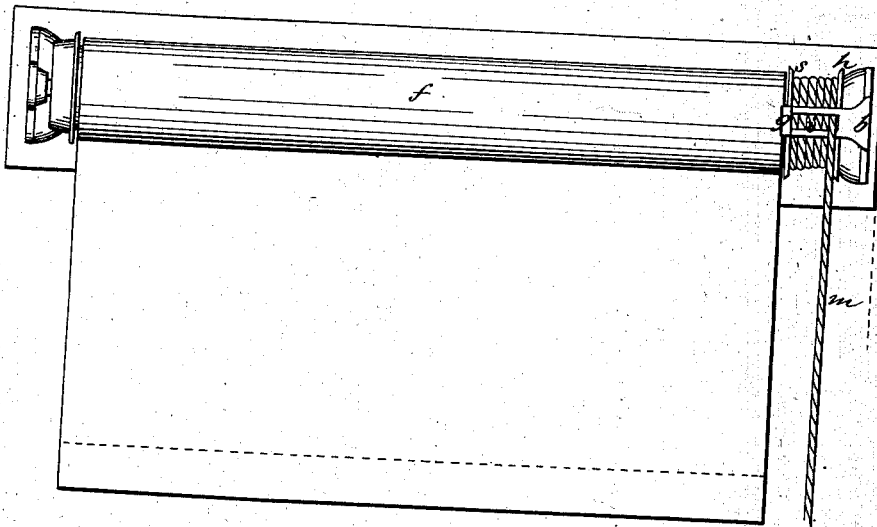


Fig. 2

Witnesses.
Asa H. Billings
Draper Stone

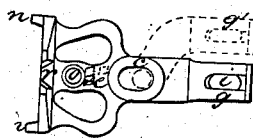


Fig. 3. *Inventors*
James Chase
Wm. S. Loughborough

UNITED STATES PATENT OFFICE.

JAMES CHASE AND WILLIAM S. LOUGHBOROUGH, OF ROCHESTER, N. Y.

IMPROVED CURTAIN-FIXTURE.

Specification forming part of Letters Patent No. 47,392, dated April 25, 1865; antedated April 15, 1865.

To all whom it may concern.

Be it known that we, JAMES CHASE and WM. S. LOUGHBOROUGH, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Curtain-Fixtures; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front elevation of a curtain suspended by our invention. Fig. 2 is a top view of the clutch-bracket *b* and the cord-spool *s*. Fig. 3 is an inside view of the clutch-bracket *b* detached.

Similar letters indicate corresponding parts in each figure.

This invention relates to that class of curtain-fixtures in which the gravity of the curtain causes it to fall when desired; and it consists in providing an oblong journal-box for the roller in the clutch-bracket and a stop near the inner end to catch the lugs on the spool, whereby the curtain is held at the desired point. When it is to be rolled up, the said oblong box permits the lugs and stop to be thrown out of gear by the draft upon the cord forcing that end of the roller to the front end of the box.

By this peculiar construction and arrangement of the parts all the advantages of the "gravity" or "pendulum" fixtures are secured, while the serious objections heretofore experienced in their liability to be damaged by dropping suddenly, as they often will as usually made, is entirely removed, it being impossible for this curtain to fall when the cord is released.

To enable others to work our invention, we will describe its construction and operation.

We construct the spool *s*, as seen in Fig. 2, with a left-hand threaded shank, to screw into the end of the roller *f*. There may be one or more lugs, *a*, cast to the outer head, *h*, of the spool. The journal-box *e* of the clutch-bracket *b* is made oblong horizontally, as seen in Fig. 3, and the stop *c* should be located far enough from the projecting box to permit the passage of the lugs *a* between them. The guide-loop *i* for the cord *m* is formed in the projection *g*,

the whole being cast at once. This projection may be placed above the center, if desired, so as to afford better access to the screw when putting the bracket up. The hole *o* is to receive the screw for hanging the bracket when it is desirable to place it upon the stop or the jamb of the window; but when it is applied to the face of the casing or of the sash the screw is inserted through the slot *r* in the foot of the bracket. The points or spurs *n* may also be provided on the outside, if desired, to be used when the brackets are to be applied to the jambs.

The curtain is raised by drawing down upon the cord, which is wound up of course in the opposite direction from which the curtain is, the latter being wound so as to hang between the window and roller, as usual.

It will be seen that by the draft upon the cord the roller is drawn to the outer end of the box, which allows the lugs *a* to pass between the stop *c* and the journal box *e*, and by allowing the cord to be drawn through the fingers with a slight friction the roller is permitted to revolve, but is prevented from rolling back to the opposite position, although the instant the cord is released that end of the roller travels to the inner end of the journal-box, and one of the lugs catches or strikes the stop, and holds the curtain at that point of its elevation.

The cord-guide *g* may be elevated, if desired, as shown by the dotted lines *g'*, Fig. 3, so as to afford free access with the screw-driver to insert the screw, which supports the bracket, when it is applied to the face of the casing or of the sash.

What we claim as our invention, and desire to secure by Letters Patent, is—

The combination and relative arrangement of the guide-loop *i* on the bracket *b* with the spool and oblong journal-socket *e* and stop *c*, the parts being constructed and operating in the manner and for the purposes shown and described.

JAMES CHASE.

WM. S. LOUGHBOROUGH.

Witnesses:

ASA H. BILLINGS,
DRAPER STONE.