

F. HOBART.

Improvement in Curtain Fixtures.

No. 119,983.

Patented Oct. 17, 1871.

Fig. 1.

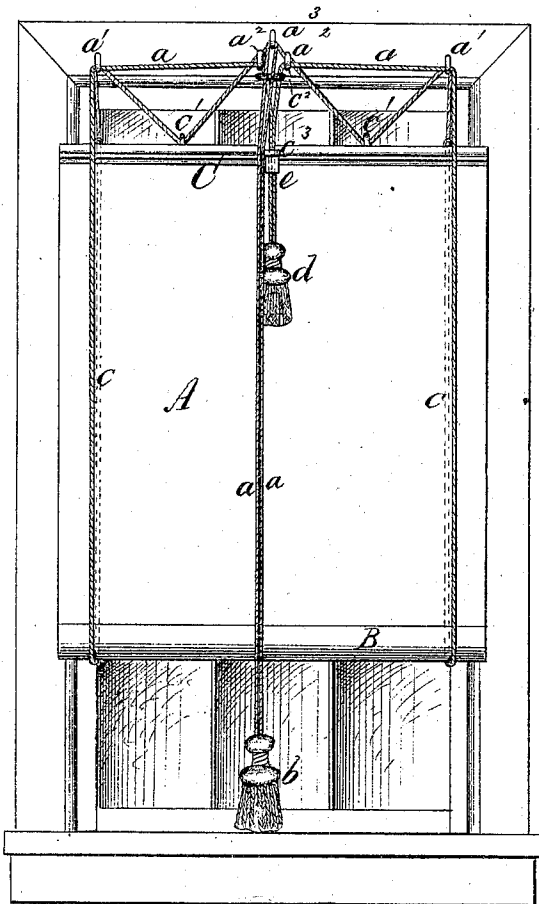
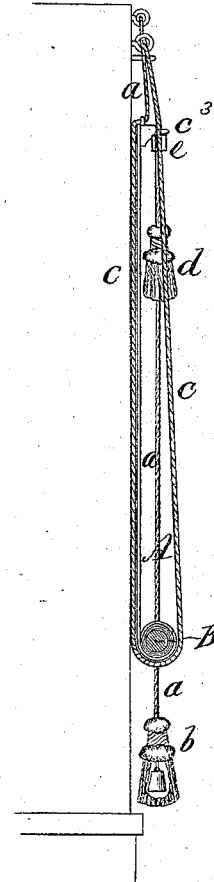


Fig. 2.



Witnesses:
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FRANKLIN HOBART, OF MOUNT PLEASANT, IOWA.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 119,983, dated October 17, 1871.

To all whom it may concern:

Be it known that I, FRANKLIN HOBART, of Mount Pleasant, in the county of Henry and State of Iowa, have invented certain Improvements in the Method of Hanging Window-Curtains, Maps, and the like, of which the following is a specification:

The nature of my invention consists in a peculiar arrangement of cords and ring-bolts for raising and lowering a curtain or map from the top and rolling it up on a roller at its lower end; and also in combining with the cords, which are used for rolling the curtain and pass through a ring-bolt in the upper curtain-stick, a sliding clamp or button, by means of which the curtain can be held suspended at any point without the use of weighted tassels.

Figure 1 is a front elevation of a window and curtain embodying my improvements. Fig. 2 is a vertical transverse section.

The same letters of reference are used in both figures in the designation of identical parts.

The curtain A is fastened at one end to the roll B and at the other end to the stick C, and hung before a window, with the roller down, by the cords *a a*, which are respectively fastened to the stick C near its ends. These cords, after passing through ring-bolts *a' a'*, are carried toward the center of the window-frame through the ring-bolts *a² a²*, and finally rove together through the ring-bolt *a³*, and united in a weighted tassel, *b*, which is made sufficiently heavy to counterbalance, together with the friction on the cords, the weight of the stick C and curtain A. The roller B is sustained and operated by the cords *c c*, which are, with their ends, secured to the stick C, and after passing around the curtain and roller, are carried respectively through the ring-bolts *a' a'*, ring-bolts *c' c'* on the stick C, ring-bolt *c²* in the center of the window-frame, and finally through the ring-bolt *c³* screwed into the center of the stick C, and they are then united in a tassel, *d*, which is weighted to counterbalance the curtain and roller. Between the ring-bolt *c³* and the tassel or ends of the cords a button or clamp, *e*, for which a rubber ball is used by preference, is placed thereon in such a manner that, while it can be readily slid up or down on the cords, it will yet firmly bind thereon at any point. This ball is larger than the eye of the ring-bolt by coming in contact with which

it will prevent the further unrolling of the curtain as well as its dropping bodily.

The curtain can be rolled up or unrolled by operating the cords *c c*, no matter in what position the stick C may be, and it is raised or lowered bodily by manipulating the cords *a a*; but may also be raised bodily by pulling down the cords *c c* after it has been entirely rolled up by them. The length of the cords *c c* is such that their tassel *d* will bring up against the ring-bolt *c³* whenever the curtain-roller is dropped to its lowest position, no matter where the stick C may be located for the time being, so that at such times there is no need of the rubber ball or clamp; but the latter comes into play when the curtain is partially rolled up and it is desired to station it permanently without depending upon the weighted tassels to hold it there. At such times the ball or clamp is slid up against the eye or ring-bolt *c²*, in consequence of which the curtain is prevented from dropping or unrolling even should the tassels be lifted; in like manner may the curtain be held permanently suspended at any point before the window when entirely rolled up. The arrangement of the cords as heretofore explained leaves the ends hanging down in the center of the window in close proximity to one another, causing the tassels to serve as ornaments. The main object in this arrangement being to bring the cords to the center of the window, it will be observed that the curtain can be operated after the manner proposed by the use of the ring-bolts *a' a'* and a single central ring-bolt, *c²*, in the window-frame only, dispensing with those marked *a² a² a³* and *c' c'*, the ring-bolt *c³* in the curtain-stick being, however, used in every instance without departing from the principle of my invention. In the same manner may the tassels *b* and *d* be left off, and the cords, being made sufficiently long, fastened to a button on the window-frame every time the curtain has been arranged to suit; but the omission of either or all of these devices will cause the curtain to operate in a less perfect manner. An incidental advantage obtained by passing the cords *c c* through the ring-bolt *c³* in the curtain-stick C consists in the fact that the curtain is steadied and prevented from swaying to either side, which advantage is, though incidental, quite important.

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

1. The herein-described arrangement of the cords *a a* and *c c* for hanging a window-curtain or map and operating it from the center, when the cords *c c* are passed through a ring-bolt, *c*³, in the center of the stick *C*, substantially as and for the purposes set forth.

2. In combination with the ring-bolt *c*³ in the curtain-stick *C* and the cords *c c*, the adjustable

clamp *e*, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

Witnesses: FRANKLIN HOBART.

W. K. HOBART,
JOSEPH HOBART.

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