

UNITED STATES PATENT OFFICE.

EBER C. BYAM, OF ROCHESTER, NEW YORK, ASSIGNOR OF TWO-THIRDS TO JOHN A. STEWART AND JAMES S. BAKER, BOTH OF SAME PLACE.

CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 361,206, dated April 12, 1887,

Application filed August 21, 1884. Serial No. 141,198. (No model.)

To all whom it may concern:

Be it known that I, EBER C. BYAM, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation showing a window with the curtain-fixture applied. Fig. 2 is a perspective view of the cord-fastening. Fig. 3 is a plan view of the same, the casing to which it is attached being shown in section.

Fig. 4 is a side elevation of one of the roller-cord bearings.

My improvement relates to curtains which can be adjusted higher or lower on the window by means of cords, and can also be rolled or unrolled, at whatever position it is placed, so as to shade any part of the window.

The invention consists in an improved construction of the cord-bearing, whereby it is adapted to both cords, and stands off away from the casing, so that the curtain can run freely up and down, as hereinafter more fully described.

In the drawings, A shows the casing of an ordinary window. B is the curtain-roller, and C is the curtain which winds thereon.

D is a double cord for raising or lowering the roller. The doubled length of the cord passes up over a bearing, E, at the top of the window. Here it divides into two branches, one of which, D', extends downward and is attached to an open hanger, F, which supports one end of the roller, and the other, D'', extends across the window, passes over another bearing, E', then extends downward, and is attached to a hanger, F', that supports the other end of the roller. By this means the roller can be raised or lowered bodily by drawing on the cord D.

G is another cord, which winds on the spool H, attached to the end of the roller. By operating this cord the curtain can be rolled up or down on the roller, at whatever adjustment the roller may be placed. Thus any part of

the window can be shaded, and to any desired degree.

Heretofore, so far as I am aware, separate bearings have been used to catch and hold the cords D G; and the latter, when attached in line, to stand vertically with the spool, brings its bearing so far in that the edge of the curtain cannot overlap the casing without running against the bearing in lowering. My present invention consists in constructing these two bearings in one piece, that for the cord D being attached to the casing outside the curtain and that for the cord G standing inward in line with its cord, but projecting forward away from the casing, so that the edge of the curtain can run under it. I represents the bearing for the outer cord, D, and I' the bearing for the inner cord, G. These two bearings are united by a connection, I², the whole being cast or formed in one piece. These bearings both stand angularly outward, as shown, and the bearing I' at such a distance from the casing that the edge of the curtain can overlap the casing and run freely up and down behind the bearing. This obviates a difficulty which has heretofore been experienced in this class of fixtures, the curtain having to be made narrow to prevent running against the bearing, or else the bearing having to be located out of a vertical line with the spool, in which case the cord will not wind well on the spool. By this means also the device is stronger, stiffer, and more substantial, is easier to apply, as a less number of screws are used, and it is also much cheaper. The bearings are provided with suitable slits or openings, *a a*, in which the cords catch and bind to hold them in place. The outer cord, D, is provided with knots *b b* at given intervals apart, to hold more securely.

The spool consists of one fixed head, *d*, provided with a square shank, *f*, that is driven into the end of the roller, and one loose head, *d'*, that has a square hole, through which the shank passes and by which it is clamped against the end of the roller. The cord-bearing E consists of a square shank, *h*, that is

driven into the casing, and two hooks or lugs, *i i*, between which the cord passes.

I disclaim, simply and broadly, a cord-bearing having a wedge-shaped slit for holding the
5 cord.

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

A cord-bearing consisting of a casting made in one piece, having two slitted bearings for
10 the two separate cords, each bearing covering its vertical line with its cord, the inner bear-

ing offset or standing out away from the casing, so that the curtain can run freely behind it, and the two bearings being connected by a central web, as herein shown and described. 15

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

EBER C. BYAM.

Witnesses:

R. F. OSGOOD,
P. A. COSTICH.