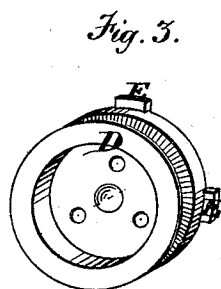
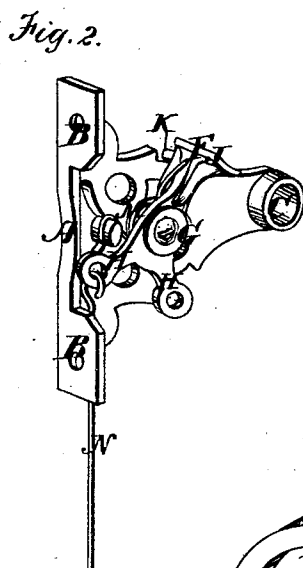
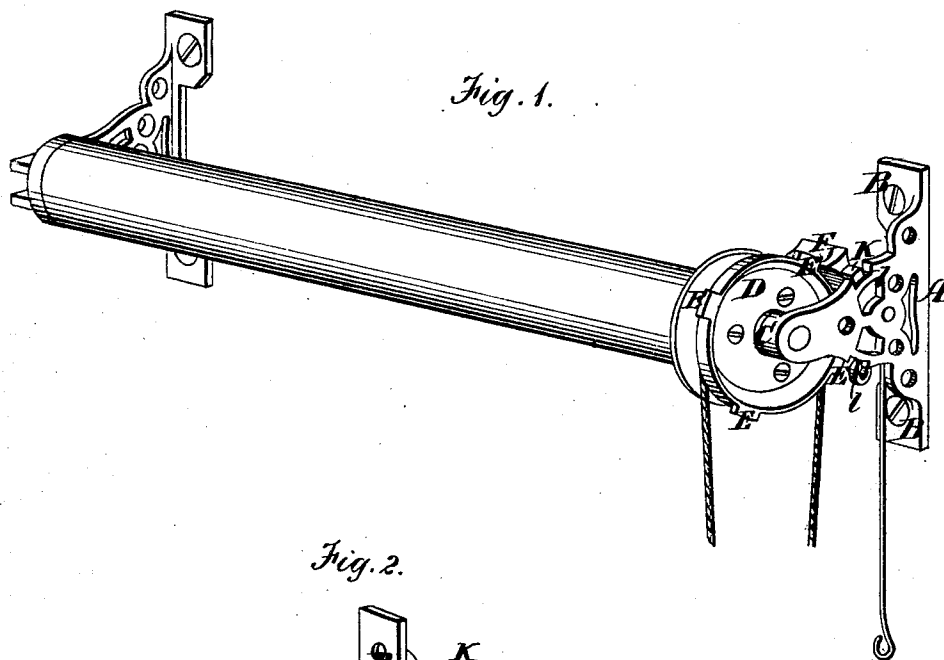


J. F. WOLLENSAK.
Curtain-Fixtures.

No. 145,040.

Patented Nov. 25, 1873.



WITNESSES
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H. K. Ellsworth

By

INVENTOR
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UNITED STATES PATENT OFFICE.

JOHN F. WOLLENSAK, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **145,040**, dated November 25, 1873; application filed August 20, 1873.

To all whom it may concern:

Be it known that I, JOHN F. WOLLENSAK, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Shade-Fixture; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings forming part of this specification, in which—

Figure 1 is a perspective view of my improved shade-fixture as applied to a window. Fig. 2 is a perspective view of the bracket and reversible pawl, and Fig. 3 is a perspective view of the roller.

Similar letters of reference in the accompanying drawings denote the same parts.

My invention relates to improvements in reversible curtain-fixtures; and consists, first, in the employment, in connection with a reversible roller, of a reversible spring-locking pawl provided with two radial cord-arms, for operating the pawl on either side of the window-frame, as hereinafter more fully set forth. My invention further consists in the employment of a roller provided with a peripheral groove for the shade-cord and lugs, for the engagement of a spring-locking pawl provided with two radial arms.

In the accompanying drawings, A is the bracket, cast with flanges B, for the passage of screws, by which it is secured to a window casing or frame, and with a socket, C, to receive the journal of the roller D. The latter is cast with a recess in one side to receive the end of the upper shade-roller, and with a peripheral groove for the shade-cord, as shown in my patent of April 16, 1872. E E are square radial lugs, cast upon the periphery of the roller, as shown, to act as stops against the spring-pawl F. The pawl is pivoted to the face of the bracket by a screw, G, and is formed with three radial arms—two, H H, upon one side of the pivot for receiving the operating-cord, and one upon the opposite side to form a head, J, against which the stops of the roller

rest. The head is also formed with a lateral lug, K, to enter a recess, L, in the bracket, for the purpose of limiting the movement of the pawl. M is a spring, coiled around the pivot of the pawl to hold the head of the latter in contact with the roller. One end is fastened, in any convenient manner, to the bracket, and the other to the pawl, as will be readily understood. The operating cord is connected to the pawl by a short wire link or eye-rod, N, for the purpose of preventing the cord from being caught in the bracket, and to insure its operation for releasing the pawl from the roller.

If desired, the bracket may be constructed without the flange, and secured to the side of the casing by screws passing through its face.

By constructing the roller with the straight radial stops, it can be used either upon the right or left of the casing with equal effect; and by constructing the pawl with double arms for the operating cord, it may also be changed from one side to the other, to correspond with the position of the roller. The bracket may also be changed, if desired, or both brackets made alike, and the pawl only removed.

By my invention, the fixtures are adapted for reversal or use upon either side of the window-casing.

Having thus described my invention, I claim as new—

1. The spring-locking pawl provided with the radial cord-arms H H, locking-head J having the lug K, and spring M, substantially as described.

2. The roller D, provided with a peripheral groove for the shade-cord, and lugs E E, in combination with the spring-locking pawl having radial arms H H and head J, substantially as described.

JOHN F. WOLLENSAK.

Witnesses:

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JOHN W. CLYDE.