

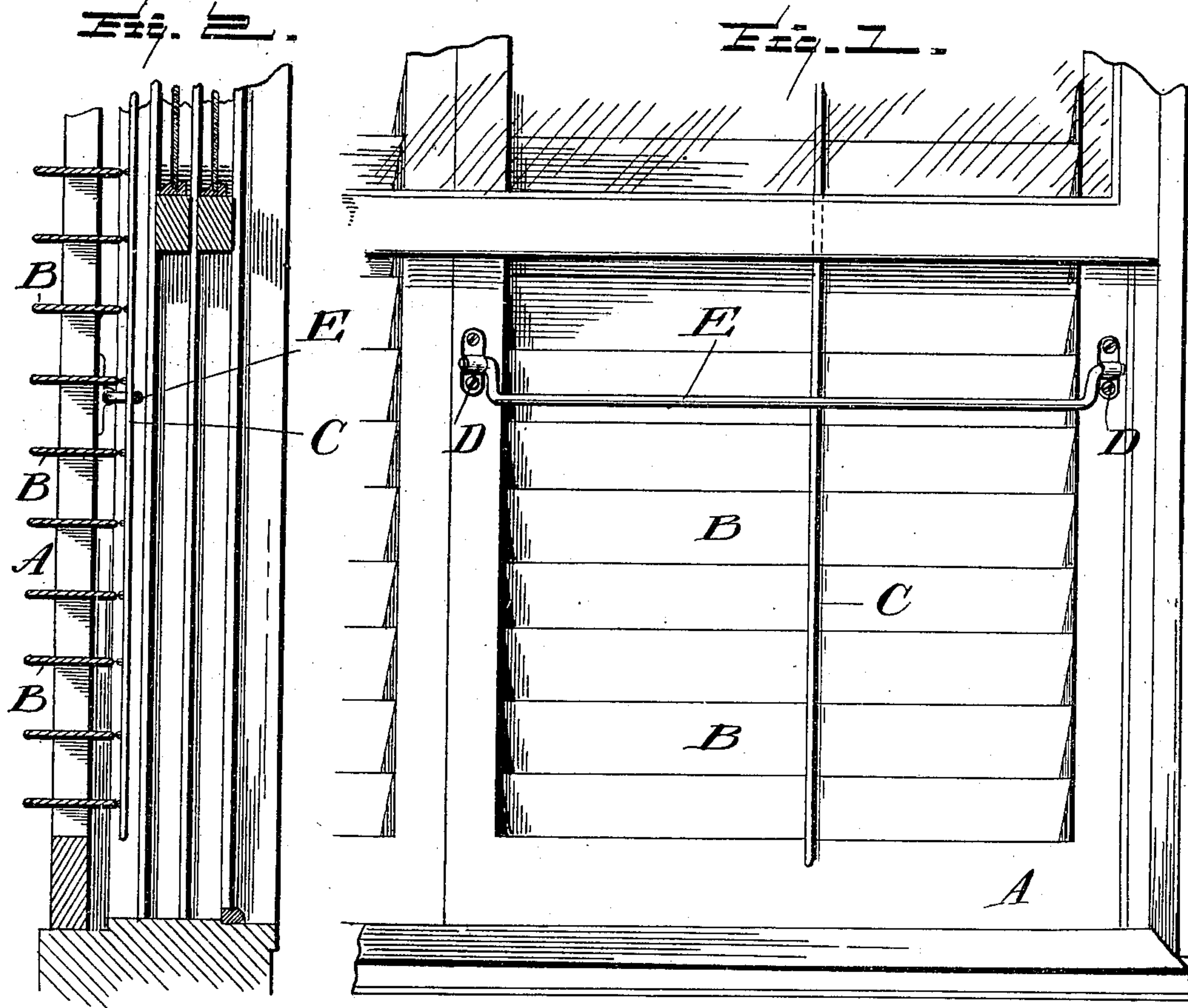
No. 657,999.

Patented Sept. 18, 1900.

M. E. WOODWORTH.
SHUTTER PROTECTOR.

(Application filed June 18, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARY ELIZABETH WOODWORTH, OF MONTGOMERY, ALABAMA.

SHUTTER-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 657,999, dated September 18, 1900.

Application filed June 18, 1900. Serial No. 20,761. (No model.)

To all whom it may concern:

Be it known that I, MARY ELIZABETH WOODWORTH, a citizen of the United States, residing at Montgomery, in the county of Montgomery and State of Alabama, have invented certain new and useful Improvements in Shutter-Protectors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in protectors for blind-shutters, and especially to the attachment of a device to the frame of a blind so as to limit the outward throw of the staff to which the slats of the blind are connected, thus making it impossible to detach the staff should the latter be taken hold of for the purpose of drawing the blind open.

More specifically, the invention consists in the attachment of a pivoted bail transversely to the opposite side strips of a blind, the bail acting as a stop, against which the staff secured to the slats is adapted to strike when the slats are wide open, thus throwing the strain against the protecting-bail in case the shutter is drawn open by taking hold of the staff.

My invention will be hereinafter more fully described and then specifically defined in the appended claim and is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form part of this application, and in which—

Figure 1 is a side elevation of a blind, showing the slats closed and a bail fastened to the opposite longitudinal sides of the blind. Fig. 2 is a vertical sectional view through the shutter and slats, showing the latter open and the bail held at right angles with the staff, resting against the inner portion of the same.

Reference now being had to the details of the drawings by letter, A designates a blind of ordinary construction, having pivoted slats

B, which are fastened to a staff C along their upper edges, which is the common construction in blinds of this nature. To the opposite longitudinal edges of the blind are fastened, preferably upon their inner faces, the eyes D, which form bearings for the angled ends of the bail E. Said bail normally rests against the edge of the staff, as shown in Fig. 1 of the drawings, and the longitudinal portion between the angled ends should be, when held at right angles to the face of the blind, a sufficient distance to form a stop, against which the outer edge of the staff C should contact when the slats of the blind are wide open or at positions at right angles to the face of the blind. When the bail is held in the position described, all pressure that may be applied to the staff to draw the blind closed is imparted to the bail, thus relieving the staff of unnecessary strain.

From the foregoing it will be observed that by the provision of a bail of the character before described applied to a blind the strain, which otherwise would come upon the staff C were it not for my improvement, comes directly upon the bail, and the staff is prevented from being broken, which is commonly the case when the staff is used by itself without any protecting means.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

A device for protecting the slats of blinds, comprising in combination with the blind having pivoted shutters and a staff connected to said shutters to open and close same, eyes secured opposite each other to the longitudinal strips of the blind, a bail having its ends journaled in said eyes and independent of said staff, and designed to limit the outward throw of the staff, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

MARY ELIZABETH WOODWORTH.

Witnesses:

GEO. STOWERS,
HARRY CONNIFF.