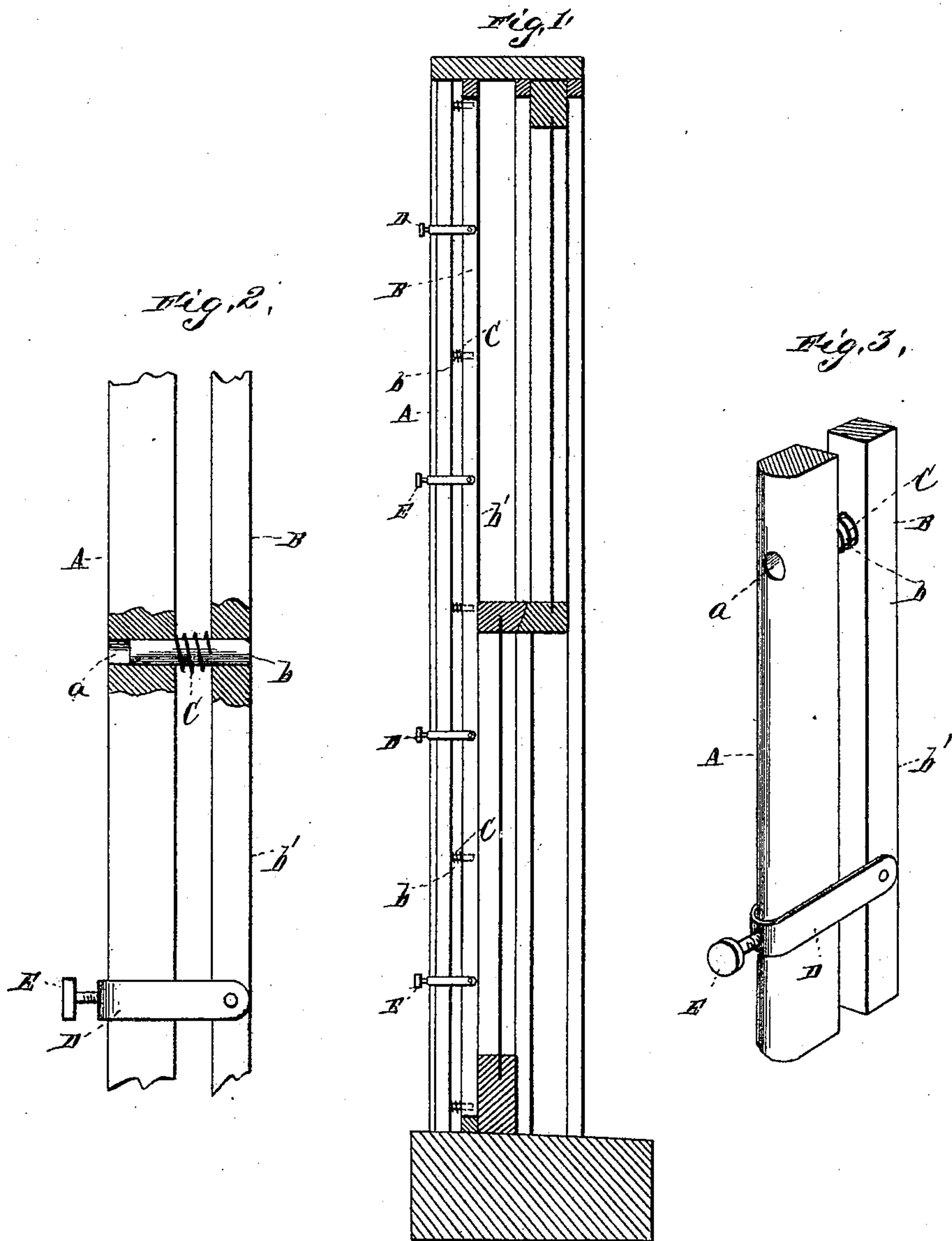


(No Model.)

R. W. WALDROP.
WINDOW BEAD.

No. 458,082.

Patented Aug. 18, 1891.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD W. WALDROP, OF NORFOLK, VIRGINIA.

WINDOW-BEAD.

SPECIFICATION forming part of Letters Patent No. 458,082, dated August 18, 1891.

Application filed February 28, 1891. Serial No. 383,196. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. WALDROP, a citizen of the United States, and a resident of Norfolk, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Anti-Rattler Window-Beads; 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a vertical section of a window frame and sash, showing the application of the invention. Fig. 2 is an enlarged detail view, partly in section, showing the connection between the peg and strip. Fig. 3 is a perspective view of the strips, partly sectioned horizontally.

This invention has relation to anti-rattling strips or beads for window-casings, and is designed to be applicable for dwellings, railway-cars, steamboats, or wherever such devices may be required; and it consists in the novel construction hereinafter described, and pointed out in the claims.

In the accompanying drawings, illustrating the invention, the letter A designates a bead-strip, which may be of plain or ornamental form, and designed to be attached in vertical position to the inner side frame of the casing, as shown in Fig. 1, said strips also having at suitable intervals the perforations *a*.

B represents a second strip, provided on its inner face with the small pins or pegs *b*, which register with and work loosely in the perforations *a*, permitting their longitudinal play therein. These strips A and B are spaced a short distance apart by means of the springs C, interposed between them and loosely coiled around the pins or pegs *b*. This piece B is not connected to the casing, and is held in such position that its outer edge *b'* will bear

against the inner face of the sash, being provided thereat with a smooth bearing-surface, and by means of the coiled springs C has a yielding elastic contact with said sash. Small keepers or guards D, struck from sheet-brass or other suitable material, are secured to the strip B at suitable intervals and engage the strip A to prevent the displacement of the latter when the sash is raised or when it is removed.

It will be seen that this device, while not bearing sufficiently hard against the sash to prevent it being easily raised or lowered, will by its yielding contact therewith effectually prevent all rattle caused by the wind or by the jar of machinery. It is adapted to take the place of the usual bead-strip for holding the sash in place, and may be made in neat and ornamental form, causing no scratching or injury to the sash, as is the trouble experienced in other devices for this purpose. The pressure of the bead against the sash may be regulated by means of the thumb-screws E.

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

1. The anti-rattling device for windows, comprising the inner bead-strip A, the strip B, and the yielding connection between said strips, and the keepers secured to strip B and engaging strip A to prevent the displacement of said strips, substantially as specified.

2. The combination, with the window-frame, of the perforated bead-strips secured thereto, the strip A, having pins working loosely in said perforations, the springs interposed between said strips and coiled around said pins, and the keepers D, substantially as specified.

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

RICHARD W. WALDROP.

Witnesses:

L. HARMANSON,
JAMES E. HEATH.