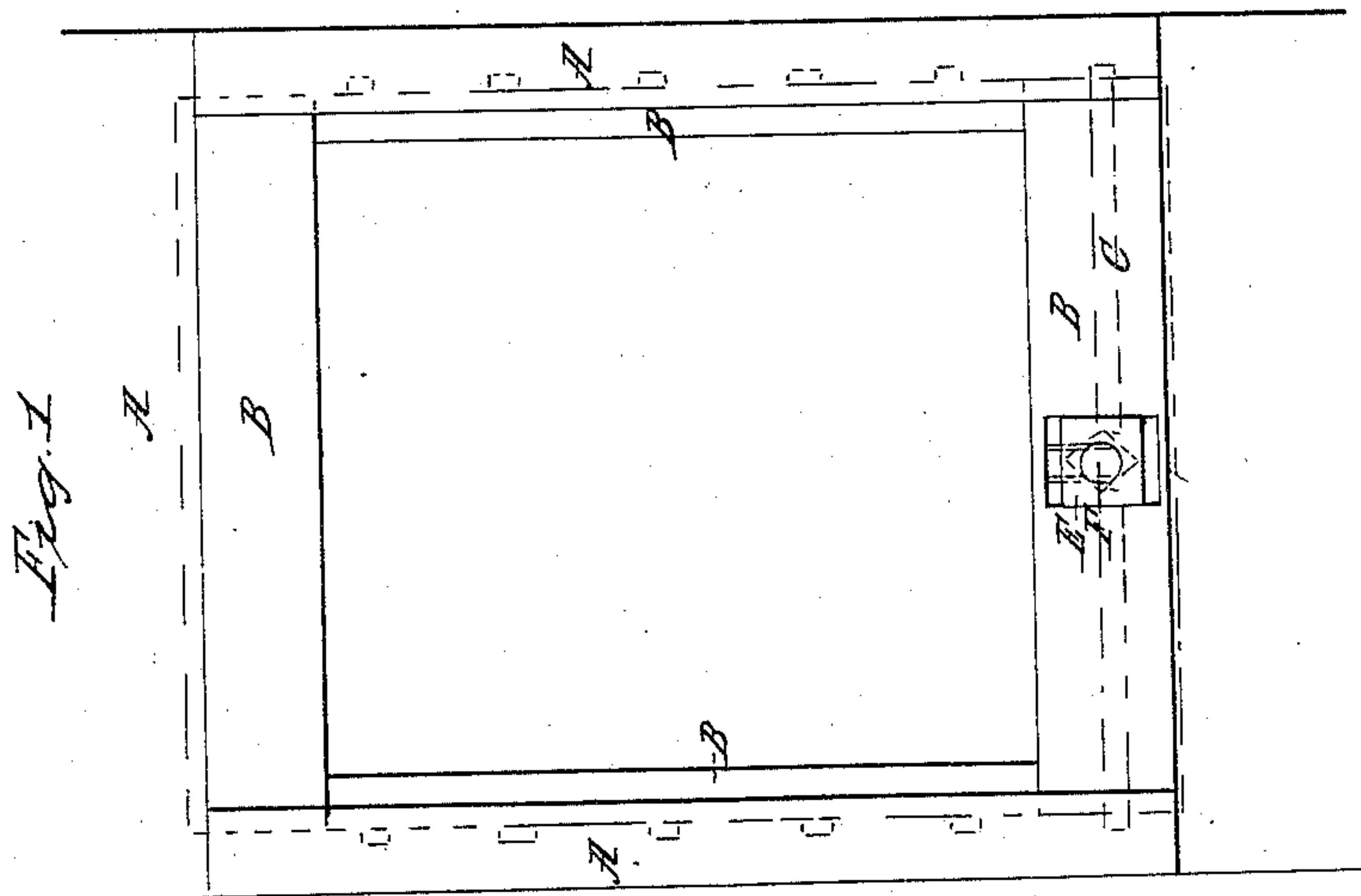
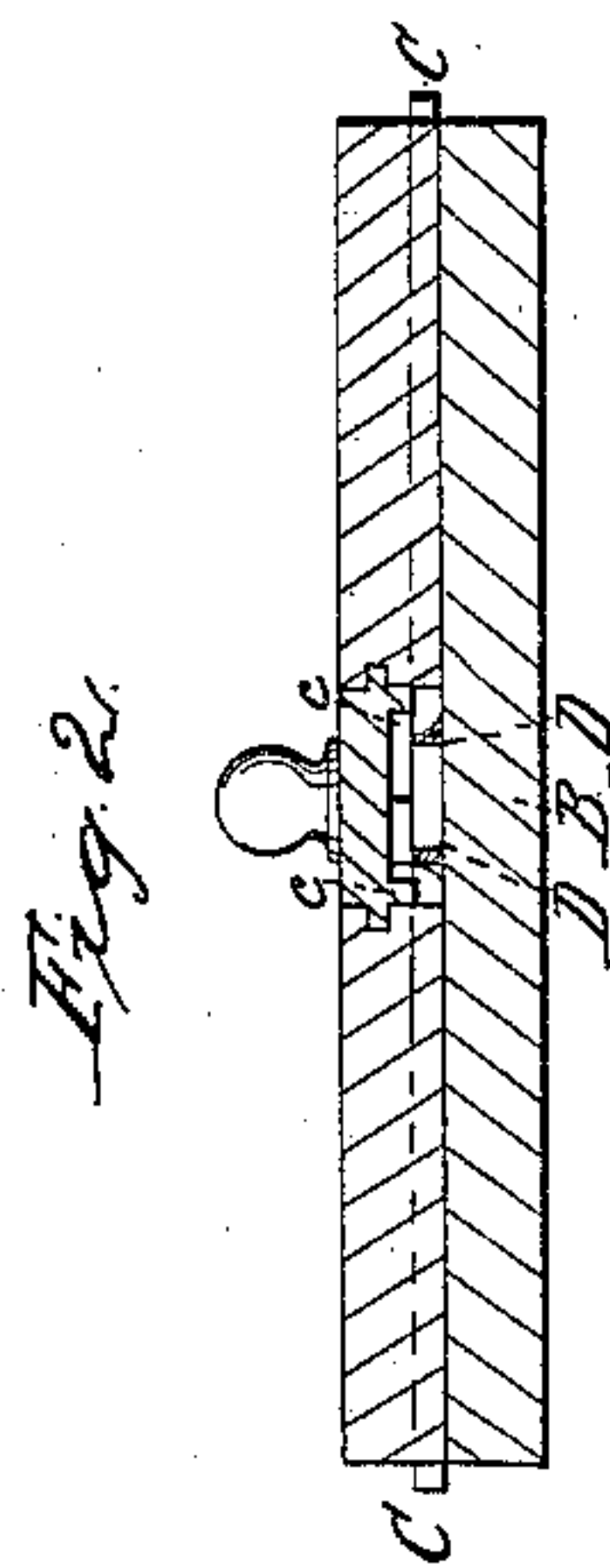


C. W. Krebs,

Sash Fastener.

N^o 34,304.

Patented Feb. 4, 1862.



Witnesses:
Octavius Knight
J. A. Gausemich

Inventor:
C. W. Krebs
By Munnally
attorneys

UNITED STATES PATENT OFFICE.

CHARLES W. KREBS, OF BALTIMORE, MARYLAND.

IMPROVED SASH SUPPORTER AND FASTENER.

Specification forming part of Letters Patent No. 34,304, dated February 4, 1862.

To all whom it may concern:

Be it known that I, CHARLES W. KREBS, of Baltimore, in the State of Maryland, have invented a new and useful Improvement in Sash Supports and Fasteners; 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, making part of this specification, in which—

Figure 1 is a front view of a sash with my fastening applied. Fig. 2 is a rear view of the same with the interior exposed. Fig. 3 is a vertical section at *x x*.

Similar letters of reference indicate corresponding parts in the several figures.

The invention is especially applicable to the windows of railway-cars and analogous purposes; and it consists in a device by which the sash is secured at any point at which it is placed, and by the application of the hand to the proper point to raise or lower it is automatically released, so that it may be freely moved.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the window-frame; B, the sash. C C are a pair of bolts pressed outward by springs D D. The bolts C C are provided at their inner ends with pins or studs *c c*, engaging in oblique slots of any suitable form in a slide E, which slide is provided with a knob or handle F.

The handle F is intended to have such prominence that it constitutes the most ready and evident means by which the window may be raised or lowered. Any person therefore (whether familiar with the nature of the contrivance or not) in applying a hand to the knob to raise or lower the sash retracts the bolts, thus rendering it free to move, and on the withdrawal of the hand the bolts automatically secure the sash in any position in which it may have been placed.

A slide an inch square may be placed in the center of the lower frame of the sash and connect with rods or bolts extending through the frame to ratchets in the grooves in which the sash plays; or it may be placed in any other position where it will accomplish a similar result.

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

The obliquely-grooved slide E, in the described combination, with bolts C c, springs D, and a knob or handle F, the latter being employed to move the slide E, and likewise the sash itself, in either direction, all as hereinbefore explained.

CHAS. W. KREBS.

Witnesses:

GEO. W. KREBS,
ALLEN E. FORRESTER.