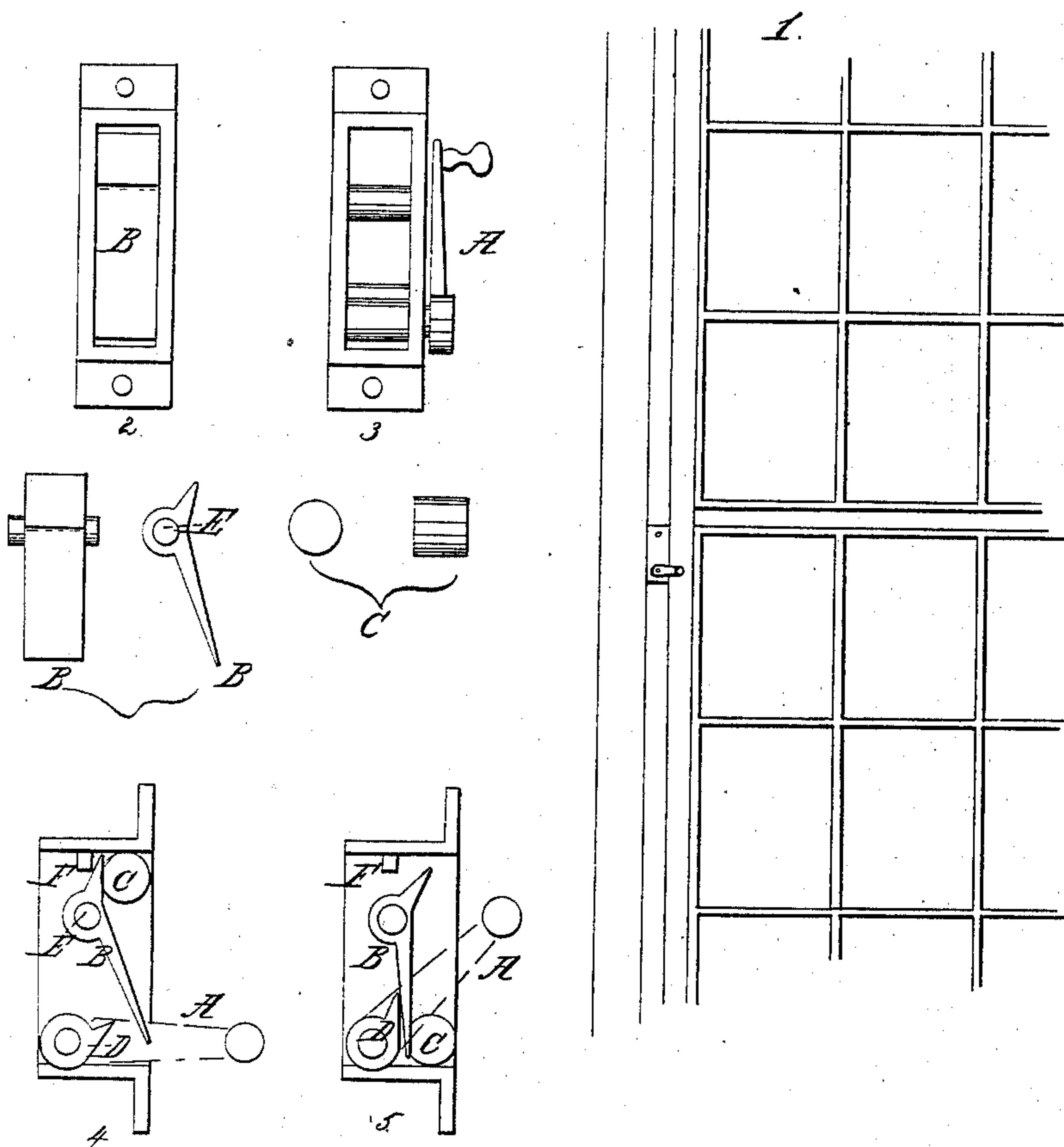


C. F. Dodge,
Sushi Holder.

No 78,193.

Patented May 26, 1868.



Witnesses:
H. Coombs
W. M. Smith

Inventor:
Chas. F. Dodge

United States Patent Office.

CHARLES F. DODGE, OF WILLIAMSPORT, PENNSYLVANIA.

Letters Patent No. 78,193, dated May 26, 1868.

IMPROVEMENT IN SASH-SUPPORTER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES F. DODGE, of Williamsport, in the county of Lycoming, in the State of Pennsylvania, have invented a new and improved Sash-Supporter, for car-windows principally, to support the sash in any position when raised, and to prevent shaking; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists of a small brass or iron case or box, inserted into the side window-casing near the top of the sash. This brass case contains a double inclined plane; also, a small cylinder, of rubber, brass, or iron, which so wedges between the inclined plane and sash as to prevent the shaking of the sash, or the falling of the sash when raised.

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

I construct my supporter of brass, in form as represented in Figures 1, 2, 3, as shown in the accompanying drawings. The said case contains three distinct pieces, viz, a lever, with stop attached, double inclined plane, and cylinder.

The lever is cast in one piece, as represented by letter A, with stop D cast on same piece, and inserted in the case, as represented in fig. 1, at the lower and back end of the case.

The double inclined plane, made of brass, as illustrated in the drawing, and marked B, works on a pivot or axle, marked E. The position of the inclined plane in the case or supporter is shown in Figures 1, 4, and 5.

The cylinder, marked C, is a separate piece, placed detachedly in the supporter, between the inclined plane and edge of the sash-frame.

When the sash is down or closed, the cylinder C is at the bottom of the supporter, as in fig. 5. The lever, being raised, permits the long incline to fall back. On raising the sash, the friction of the sash against the cylinder occasions it to roll up the long incline B, striking the short incline, which throws it back to the stop F, as in fig. 4, allowing lever A to fall, as in fig. 4. The weight of sash forces the cylinder back against the long incline, which is kept in position by stop D acting in the manner of a wedge, which holds the sash in any required position until lever A is raised, which removes the stop D, permitting the long incline to return to its place, as in fig. 5. This allows the sash to return.

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

The combination and arrangement of the pivoted double inclined plane B, roller C, lever A, and stop or cam D, in a suitable box or casing, substantially as shown and described for the purpose specified.

CHAS. F. DODGE.

Witnesses:

H. McCLURE,
JOHN BUBB.