

WILLIAM BACHELLER.
Improvement in Sash-Holders.

No. 114,253.

Patented May 2, 1871.

Fig. 1.

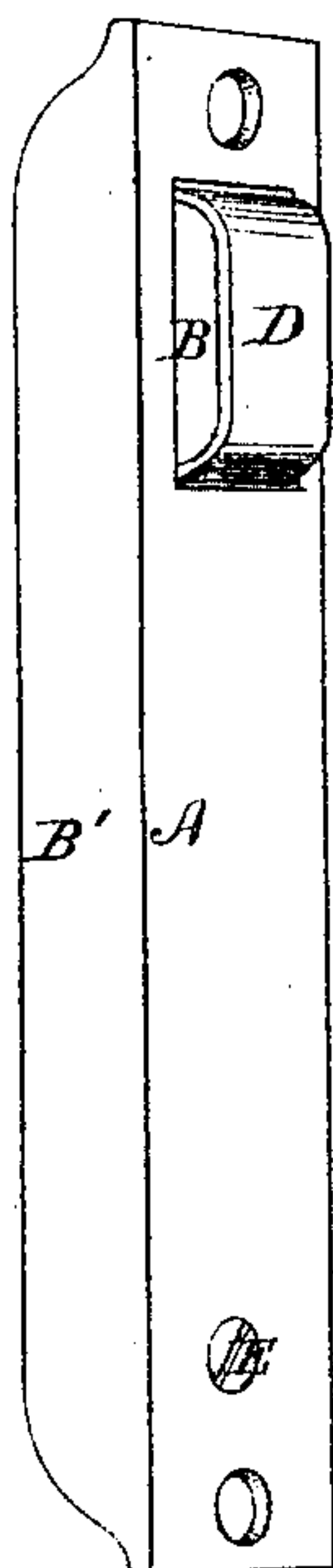
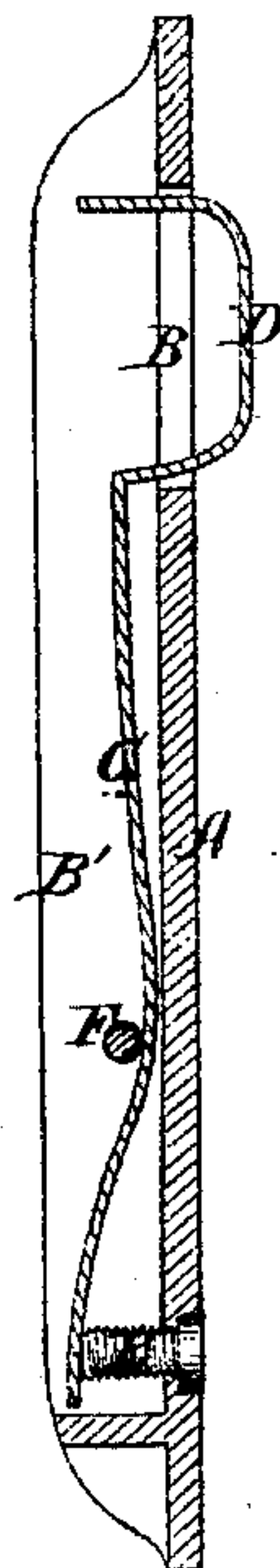


Fig. 2.



Witnesses.

George P. Kimball
J. P. Hayden

Inventor.

William Bacheller
by- *Samuel D. Wright & Son*
Attys.

United States Patent Office.

WILLIAM BACHELLER, OF WEST NEWBURY, ASSIGNOR TO HIMSELF AND
GEORGE P. KIMBALL, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 114,253, dated May 2, 1871.

IMPROVEMENT IN SASH-HOLDERS.

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

I, WILLIAM BACHELLER, of West Newbury, in the county of Essex and State of Massachusetts, have invented certain Improvements in Sash-Holders, of which the following is a specification.

Figure 1 is a perspective view of my invention, and

Figure 2 a sectional elevation of the same.

The object of this invention is to provide an adjustable device which shall hold a window-sash in any desired position and prevent the same from rattling; and

It consists mainly of a spring, located in a suitable frame, attached to the edge of a sash, said spring being furnished with a frictional bearing surface, D, projecting through an opening in the plate, and being regulated by a set-screw in such manner as to cause it to press with more or less force against the window-casing and thereby sustain the sash, as will herein-after more fully appear.

In the drawing—

A represents a metallic plate provided with the orifice B and flanges B'.

C represents a metallic spring plate, located between flanges B', and bent at its upper end into the bow-shaped catch D, which projects through the orifice B.

F represents a pin, which holds the spring C in place.

E represents a set-screw, which bears against the lower end of spring C and forces the same inward, thereby forcing the projection D outward.

Two of the plates A are attached to one edge of each window-sash, one near each end, and the projections D, bearing against the casing, sustain the

window at any desired point and at the same time prevent any rattling of the sash, acting in this respect in the same manner as a rubber packing.

By tightening the screw E sufficiently the projection D may be caused to exert an outward pressure of from two to seventy-five pounds, according to the thickness of the spring, thus adapting the device to windows of any desired weight.

I am aware that springs have been employed to hold window-sashes, but I know of none which are adjustable or which sustain the window without entering notches or depressions, which are not used in connection with my device, the operation of a sash provided with the same being equivalent to that of one provided with weights.

It will be readily seen that the advantages of my invention over the latter arrangement are greater cheapness, simplicity, durability, and freedom from noise.

Having thus fully described my invention,

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

The spring C, provided with frictional bearing surface D, protruding through an opening in plate A, in combination with plate A, pin F, and set-screw E, all arranged and operating substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM BACHELLER.

Witnesses:

CARROLL D. WRIGHT,
CHARLES F. BROWN.