

(No Model.)

G. H. JOHNSON.

SASH.

No. 260,873.

Patented July 11, 1882.

Fig. 1.

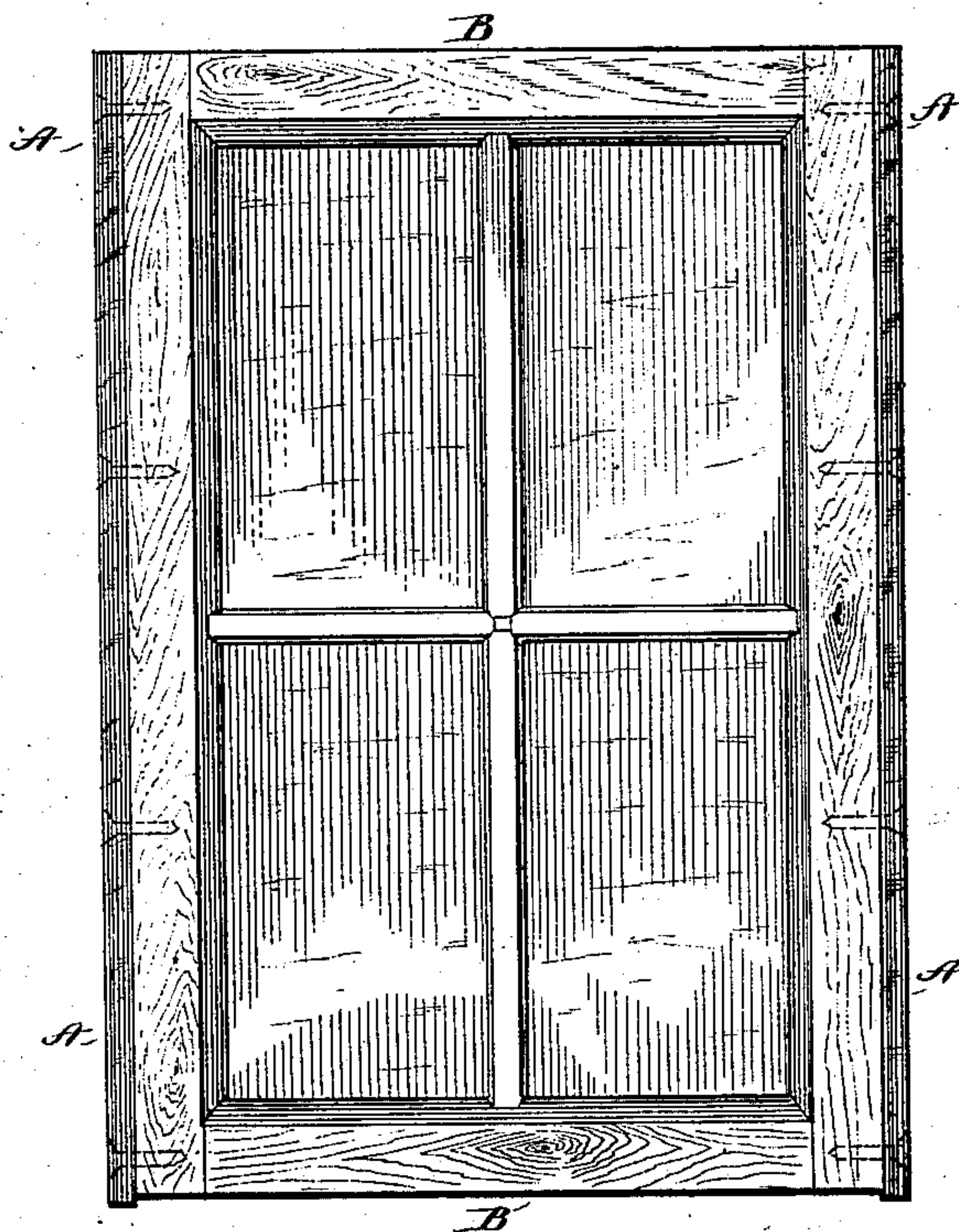


Fig. 2.

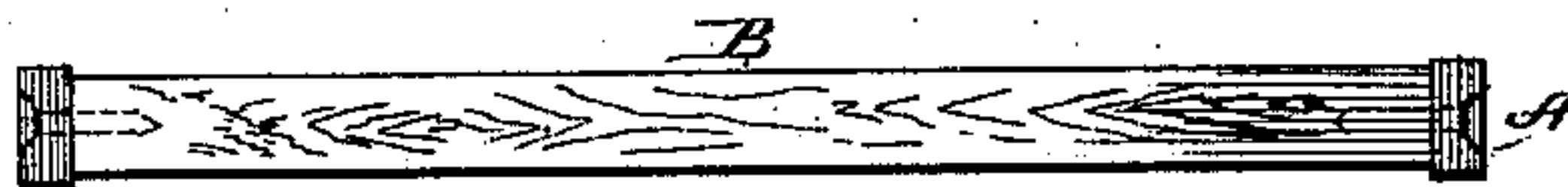


Fig. 3.



Witnesses;

Charles Fowler,
Wm H. Kelsey.

Inventor;

George H. Johnson

By Atty.

J. M. Smith.

UNITED STATES PATENT OFFICE.

GEORGE H. JOHNSON, OF BRIDGEPORT, CONNECTICUT.

SASH.

SPECIFICATION forming part of Letters Patent No. 260,873, dated July 11, 1882.

Application filed April 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. JOHNSON, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Sashes, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to devices for preventing rattling and consequent wear in window-frames and the like, especially when the latter are in carriages or other vehicles.

It has for its object to protect certain parts from wear and to prevent the sash or frame from rattling in the casement; and with these ends in view my invention consists in attaching to the sides of the frame or sash a strip of molded vulcanized rubber or other suitable material of a breadth greater than the thickness of the sash or frame and of a length greater than that of the sash in order that the strip may project below the bottom surface of said sash, all of which will be presently and in detail explained.

In order that those skilled may more fully understand the construction and operation of my improved device, I will proceed to describe the same in detail, referring by letters to the accompanying drawings, in which—

Figure 1 is a side elevation of a sash with my improvement attached; Fig. 2, a top view of the same, and Fig. 3 a modification showing the strip attached to the sash in a serpentine manner.

Similar letters denote like parts in the several figures.

A is the strip, which is made preferably of vulcanized molded rubber, although any other material of a suitable nature—such as felt—may be used with similar results. This strip A is attached, as shown, to the sides of a frame or sash, B, by screws.

In a coach the windows usually slide up and down in a casing, and the frame of said window is covered with cloth, paint, or any suitable covering. This frame fits in the casing loosely in order that the sliding movement may be free. Use has demonstrated that the cloth or paint chafing against the sides of the casing soon wears out and becomes ragged and unsightly, and as a consequence there is a noisy and disagreeable rattling.

As heretofore set forth, the width of the strip A being greater than the thickness of the frame or sash B proper, the latter does not touch the casing, since the bearing or friction is on the rubber strip; also, the length of said strip being longer than and projecting below the frame, the projecting excess forms a cushion which protects said frame on the under surface as against any jar or contact with the casing.

It will be readily understood that by the use of my improved strip I protect the sash or frame at three points of contact; also, there is no rattle or noise, and being thus protected the cloth or paint is not worn or defaced. As previously set forth, I usually fasten on the strips with screws, the holes for which may be molded or otherwise formed; but I am also enabled to put said strips on in serpentine form, as shown at Fig. 3, when the casing is irregular or not uniform in width.

I am aware that U-shaped guards or protectors have been applied to sash-frames, carriage-doors, and the like for the purpose of preventing wear on the faces of such frames or doors; also, that it is not new, broadly, to mold rubber into strips and apply the same as fenders or bumpers on doors, &c., and do not wish to be understood as claiming any such construction; but

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

1. A window-sash frame or similar device provided at its sides with independent and detachable strips of yielding material, said strips being wider than the thickness of the frame and projecting below the sides of the same, substantially as set forth.

2. The strip A, of yielding material, formed and applied as described—that is to say, projecting beyond the faces of the sash throughout a part or the whole of its length—in combination with a sash or frame, whereby the latter shall be protected as against wear from contact with the casing, substantially as and for the purpose set forth.

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

GEORGE H. JOHNSON.

Witnesses:

JOHN E. POND,
ENOCH P. HINCKS.