

J. H. Bloodgood,

Sash Holder.

No. 110728.

Patented Jan. 3. 1871.

fig. 1.

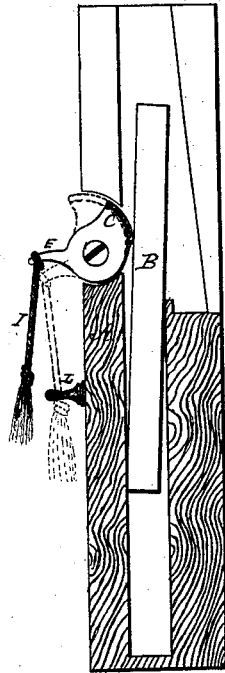


fig. 2.

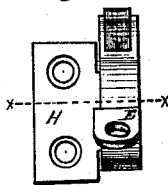


fig. 3.

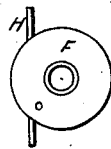


fig. 4.

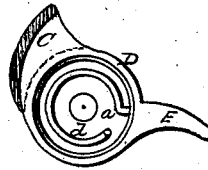
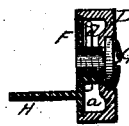


fig. 5.



John H. Bloodgood

Inventor

Witnesses:

J. H. Conway
A. J. Tibbitts

By his Attorney

John E. Earle

United States Patent Office.

JOHN H. BLOODGOOD, OF BRIDGEPORT, CONNECTICUT.

Letters Patent No. 110,728, dated January 3, 1871.

IMPROVEMENT IN SASH-HOLDERS.

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, JOHN H. BLOODGOOD, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new improvement in Sash-Holder for Carriages; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents in—

Figure 1 a side view of the holder, as applied to the door of a carriage;

Figure 2, a front view of the holder detached;

Figure 3, the bearing; and

Figure 4, the cam detached; and in

Figure 5, a central section on line $x x$ of fig. 2.

This invention relates to a device for holding or supporting the sash of carriage-doors, and to prevent the rattling of the same in any position; and

The invention consists in a cam, constructed as hereafter described, and applied to the door to bear against the sash, to hold it to any desired elevation and with sufficient force to prevent the rattling of the sash.

A is a portion of the door.

B, the sash, represented as partially raised from the pocket.

C, the cam or holder, is formed as seen in fig. 4.

D is a circular central portion from which the cam C projects, and from the opposite side an arm, E, by means of which the cam is operated.

The central portion D is made hollow, so as to form a chamber, a , (see fig. 5,) the chamber being a complete circle, as seen in fig. 4, and this part is fitted onto a plate, F, (see fig. 3,) which plate closes the chamber, as seen in fig. 5.

The cam is secured to the plate F by a screw, G, so that the cam will turn freely on the plate F.

The said plate F forms the bearing for the cam.

Within the chamber a a coil spring, d , is arranged to act upon the cam to throw it forward.

To secure the device to the carriage-door, the plate

F is fixed to or made a part of the flange H, (see figs. 2 and 3,) and through the said flange screws are inserted into the door.

Placed upon the door, as in fig. 1, when the sash is raised, the cam bears outward upon the sash, so that the weight of the sash tends to draw the cam harder against the sash, and thus support it in any desired position, and in so firm a manner as to prevent rattling.

The sash can be freely raised with the cam bearing thereon to any position; but to drop the sash, press down the arm E to draw the cam from the sash, as denoted in broken lines, fig. 1; then the sash will drop of its own accord.

When the sash is dropped into the pocket, the holder will, if not prevented, throw outward so far as to interfere with the raising of the sash, and at other times it may be desirable to hold the cam back from the sash. To do this I fix a loop, I, to the arm E, and a stud, L, upon the carriage door, so that when desirable the cam can be drawn back, as denoted in broken lines, and the loop I caught upon the stud L. Any other mode may be employed.

To prevent injury to the sash, as well as to hold it more securely, I arrange upon the face of the cam a pad of India-rubber, or other similar flexible material.

I do not wish to be understood as broadly claiming a cam constructed so as to bear against the sash for its support, as such is not new; but

I claim as my invention—

A sash-holder, consisting of the plate F, formed upon or made a part of the plate H, and combined with the cam C, formed upon the central chambered portion D, the arm E, and spring within the chamber, the whole constructed and arranged to operate substantially in the manner set forth.

JNO. H. BLOODGOOD.

Witnesses:

H. T. BLAKE,

ENOCH P. HINCKS.