

(No Model.)

I. H. MULFORD.
CUSHION FOR CARRIAGE WINDOWS.

No. 271,900.

Patented Feb. 6, 1883.

Fig 1.



Fig 2.

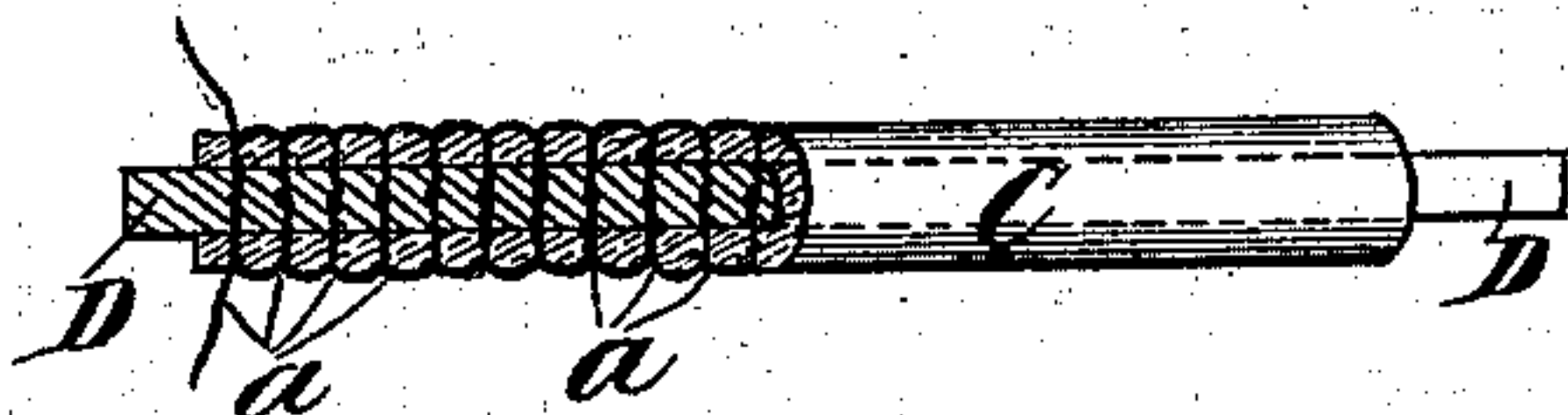
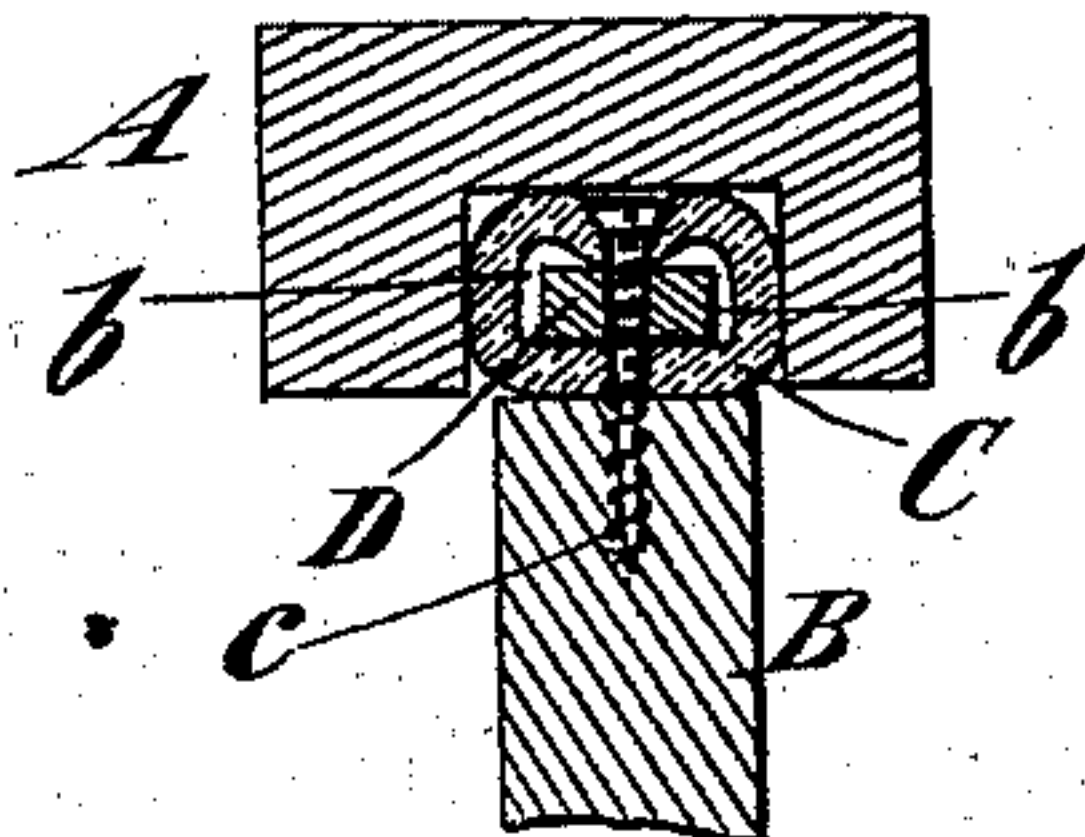


Fig 3.



Witnesses
Thos Hayner
Ed. L. Moran

Inventor
Ishabrook H. Mulford
by his Attorneys
Brown & Brown

UNITED STATES PATENT OFFICE.

ICHABOD H. MULFORD, OF EAST ORANGE, NEW JERSEY, ASSIGNOR OF
ONE-HALF TO ALPHONSO S. SHERWOOD, OF SAME PLACE.

CUSHION FOR CARRIAGE-WINDOWS.

SPECIFICATION forming part of Letters Patent No. 271,900, dated February 6, 1883.

Application filed September 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, ICHABOD H. MULFORD, of East Orange, in the county of Essex and State of New Jersey, have invented a new and Improved Cushion for Carriage-Windows, of which the following is a specification.

My invention relates to the cushions which are attached to the side edges of a carriage-window sash to prevent its rattling in the frame or casing. Cushions of various kinds have been employed for this purpose—such, for example, as strips of wood covered with cloth, or strips of solid india-rubber; and the object of my invention is to provide a cushion which, while being more elastic and yielding than either of the above-described kinds, and therefore will allow the sash always to work freely, will yet be firm enough to guide the window effectively and prevent shaking of the window.

To this end my invention consists in a cushion composed of a central core and a flexible tube, having opposite sides flattened and secured against the core, and having in other opposite sides pockets formed between it and the core.

The invention also consists in a cushion of the kind above described, composed of a core of leather and a tube of india-rubber, secured together by stitching through them both.

In the accompanying drawings, Figure 1 represents a transverse section of my improved cushion. Fig. 2 represents a partly-sectional side view thereof, and Fig. 3 represents a horizontal section of a portion of a window-frame and a sash provided with the cushion.

Similar letters of reference designate corresponding parts in all the figures.

A designates the frame, and B the side rail or piece of the sash.

The cushion is composed of a tube, C, of flexible material—such, for example, as india-rubber, which is well adapted for the purpose—and a core, D, which is considerably smaller in transverse section than the interior of the tube.

The core may, if desired, be made of leather, and in such case the core may be secured in

the tube by stitches *a* through the tube, as clearly shown in Figs. 1 and 2. The tube will then be flattened, as shown in Fig. 1, on opposite sides, but will extend beyond the side edges of the core on other opposite sides, so as to form pockets or spaces *b*.

The cushion may be secured to the sash B by screws or nails *c* or other devices, as shown in Fig. 3; and as the window shakes or moves, the portions of the tube which form the pockets or spaces *b* will come in contact with the frame A. These pockets or spaces render the cushion very elastic, and the window-sash to which it is applied may be slipped up and down with but little friction, even though it fit very snugly in the frame, as the edges of the cushion are round.

The cushion may be covered with cloth, which would be lapped on the side of the cushion which is in contact with the sash B, and would thereby be secured.

I am aware that weather-strips have been made by folding a strip of india-rubber and inserting and securing a base-body or core between the edges thereof, leaving a pocket formed at the inner edge of the body or core by the bend in the folded strip. Such a strip as this, if secured to the edge of a sash in the same manner as I apply my cushion, would act as a cushion in one direction only, and I do not claim it as included in my invention.

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

1. A cushion for carriage-windows, composed of a central core and a flexible tube having opposite sides flattened and secured against the core, and having on other opposite sides pockets *b*, substantially as herein described.

2. In a cushion for carriage-windows, the leather core D and the flexible rubber tube C, having opposite sides flattened and attached to the core, and having on other opposite sides pockets *b*, substantially as herein described.

ICHABOD H. MULFORD.

Witnesses:

FREDK. HAYNES,
ED. L. MORAN.