

S. N. LONG.
CARRIAGE CURTAIN FASTENINGS.
No. 179,708. Patented July 11, 1876.

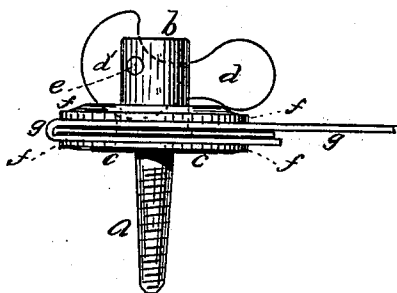


Fig. 1.

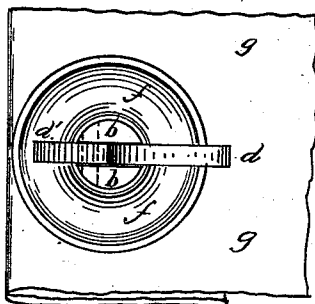


Fig. 2.

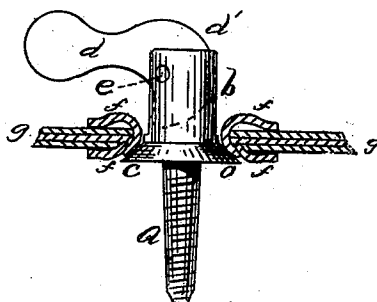


Fig. 3.

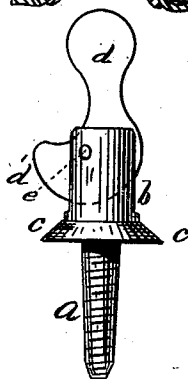


Fig. 4

WITNESSES
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UNITED STATES PATENT OFFICE.

SAMUEL N. LONG, OF HARWICH, MASSACHUSETTS.

IMPROVEMENT IN CARRIAGE-CURTAIN FASTENINGS.

Specification forming part of Letters Patent No. **179,708**, dated July 11, 1876; application filed March 4, 1876.

To all whom it may concern:

Be it known that I, SAMUEL N. LONG, of Harwich, in the county of Barnstable and State of Massachusetts, have invented a new and useful Improvement in Fastening Devices for Carriage-Curtains, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This device is intended, mainly, for a substantial fastening for carriage-curtains, tent-coverings, awnings, &c.; but it is useful as a fastening in connection with many other articles, and I propose to use it wherever it will be of service.

The nature of the invention is described in detail below.

In the accompanying illustration, Figure 1 is a side elevation of my device when in the position assumed when it fastens the curtain to the standard of a carriage. A small portion of the curtain is represented. Fig. 2 is a plan view of the same. Fig. 3 is a side elevation of my device when in position to unfasten the curtain and thereby release it from the device. The curtain is shown in section. Fig. 4 represents the device with the curtain removed.

Similar letters of reference indicate corresponding parts.

a is a screw, extending from a round stud, *b*. The screw *a* is intended to be driven into the standard to which the curtain is to be fastened. *c* is a flange, which lies under the curtain next to the standard. Playing in a slot in the stud *b* is the cam-shaped lever *d d'*. This lever *d d'* is held by the rivet *e*, which is placed at one side of the center of the slot in the stud *b*, thus forming an eccentric. *f* represents a metallic ring, placed in the opening in the curtain *g*.

In practical operation my fastening device works as follows: I will suppose the screw *a*

to be inserted in a carriage-standard, and the curtain fastened to it by means of my device, as in Figs. 1 and 2. The lever is now at right angles with the stud, the cam-shaped end *d'* extending beyond the stud upon one side, and the end *d* upon the other side, thus preventing the curtain from slipping off. To remove the curtain, grasp the end *d* of the lever and simply reverse its position, carrying it completely over to the opposite side of the stud *b*, into the position shown in Fig. 3. It will then be noticed that the cam end *d'* of the lever does not project upon either side the stud, (owing to the position of the rivet *e*), and offers no resistance to the taking off of the curtain *g*. Then remove the curtain, and, as it leaves the end *d* of the lever, the position seen in Fig. 4 is assumed. Reverse the operation to replace the curtain.

It will thus be seen that a sure, safe, and reliable fastening is produced, which can be applied to carriages, tents, and many other articles.

The device is inexpensive and simple, and its operation is almost instantaneous.

I would have it understood that I lay no claim to a slotted stud provided with a stop pivoted centrally therein, as described in the specification of Letters Patent granted to William C. Shipherd, dated October 1, 1872, No. 131,792; but

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

As a new article of manufacture, a fastening for carriage-curtains constructed with a slotted stud, *b*, having a lever, *d*, provided with a cam-shaped end, *d'*, pivoted on a bearing or rivet, *e*, arranged eccentrically in the stud *b*, the whole being constructed to operate substantially as shown and described.

SAMUEL N. LONG.

Witnesses:

HENRY W. WILLIAMS,
B. W. WILLIAMS.