(No Model.)

W. BROWN.

DEVICE FOR FASTENING CARRIAGE CURTAINS.

No. 301,956. Patented July 15, 1884.

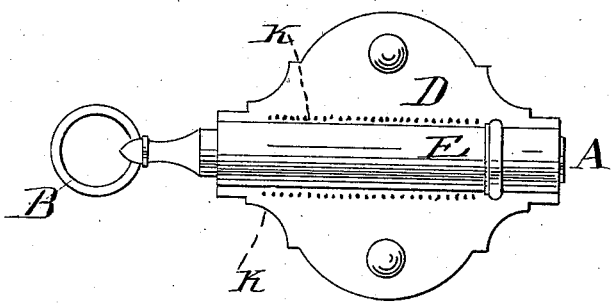

Fig. 1.

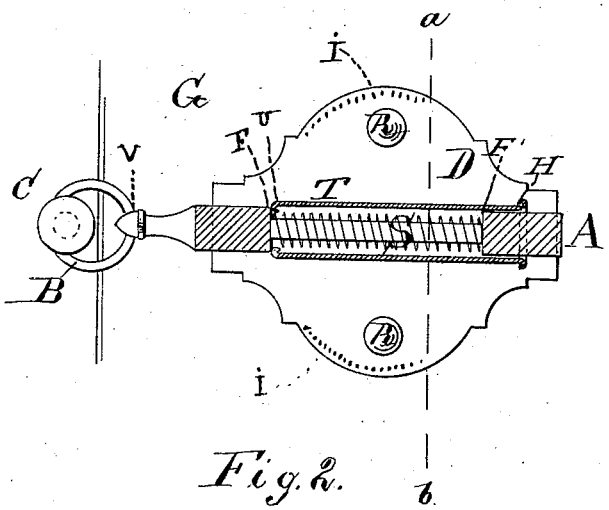

Fig. 2.

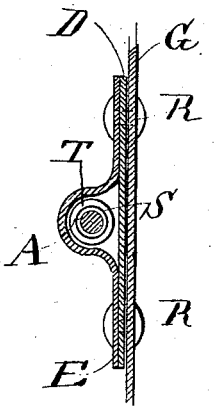

Fig. 3.

Witnesses:
Ph. A. Ames
James Charles Brown

Inventor:
William Brown

UNITED STATES PATENT OFFICE.

WILLIAM BROWN, OF NEWBURYPORT, MASSACHUSETTS.

DEVICE FOR FASTENING CARRIAGE-CURTAINS.

SPECIFICATION forming part of Letters Patent No. 301,956, dated July 15, 1884.

Application filed June 4, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BROWN, a citizen of the United States, residing at Newburyport, in the county of Essex and State of Massachusetts, have invented a new and useful Device for Fastening Carriage-Curtains, of which the following is a specification.

My invention has for its object to furnish a carriage-curtain fastener, simple in construction, convenient in use, and always reliable in operation, no matter how much the carriage-curtain is shrunk or contracted by frost or rain; and it consists in certain combinations of parts, as will hereinafter be more fully described in the following description.

Reference is made to the drawings accompanying the same, in which—

Figure 1 is the fastener complete. A is the bolt or rod. B is a ring, which serves in place of common button-hole in carriage-curtains. D and E are the outer and inner coverings of working parts, which may be made of enameled or rubber cloth, or it may be made of cast or sheet metal, or any other suitable material for the purpose specified.

Fig. 2 shows part of the top covering removed, also section of tube-covering removed, showing the spring and bolt or rod in position, and by simply setting the curtain-fastener back on the curtain G in the proper position, and pulling the bolt out, contracts the spring S and regulates the proper amount of tension required when in practical use.

Fig. 3 is a sectional view showing the construction of the different parts cut through from *a* to *b*, Fig. 2. A is the bolt or rod, which passes through the fastener, having two shoulders cast or formed at F and F′, Fig. 2. S is a coiled spring, formed or placed between the said two shoulders F and F′. T is the covering of coiled spring and bolt or rod, made of sheet metal. On each end of the covering T is formed or turned an edge. The one turned inward at U, Fig. 2, serves to hold the coiled spring in place, and creates the proper amount of tension when in practical use. The end or edge of covering T is turned outward for this purpose. When the outer and inner covering are made of flexible material, as shown at D and E, Fig. 3, I stitch both parts together, as shown at K K, Fig. 1. By so doing, I hold the mechanism firmly in position when in use. B is a ring, which may be cast in the bolt, or it may be formed of wire, and passed through the bolt or rod, holes being formed or drilled for reception of ring B. The fastener is attached to the curtain G by rivets R R, or it may be stitched, as shown in dotted lines at K K, Fig. 1.

I will describe the sectional view, Fig. 3. A is the bolt or rod; S, the coil-spring; D and E, the outer and inner covering of bolt and spring; R, the rivets, and G the carriage-curtain. C, Fig. 2, is the carriage-button, attached to the carriage-post. If desired, the spring or springs may be attached to the outer covering, E, permanently, for the purpose set forth.

In referring to my drawings, it will be seen I use a coil-spring to show more clearly the object of my invention; but I do not confine myself to the use of a coiled spring, as other forms of springs may be used instead, which may be made of metal, india-rubber, or other suitable material. The object in my invention is the power created by the expansion or the contraction of a coiled or other suitable spring or springs to produce the desired result, as specified aforesaid.

My invention can be attached to the inside of the carriage-curtains, as well as the outside. When attached inside, the curtains can be fastened without the person being exposed to storms.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A carriage-curtain fastener herein described, consisting of the bolt or rod A, and outer and inner covering, E and D, as set forth.

2. The combination of a device for fastening carriage-curtains securely, consisting of bolt or rod A, spring or springs S, and inner covering or casing, T, as set forth and described.

3. The combination of a carriage-curtain fastener, consisting of bolt or rod A, spring or springs S, covering or inner casing, T, outer and inner covering, E and D, rivets R, and ring B, to go over the carriage-button C, as set forth.

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

WILLIAM BROWN.

Witnesses:
GEORGE W. AUSTIN,
JAMES M. MAY.