W. Z. W. & J. W. CHAPMAN.

Carriage-Curtain Fastening.

No. { 2,511, / 33,515 }

Patented Oct. 22, 1861.

Fig. 1.

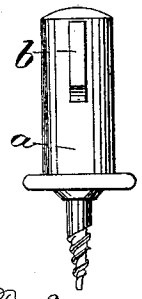


Fig. 2.

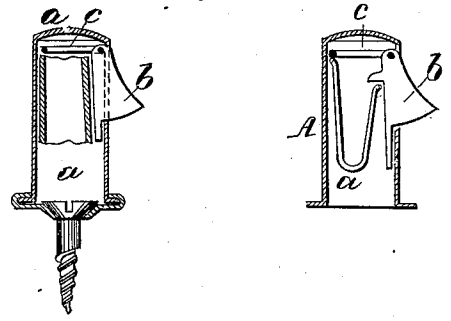


Fig. 3.

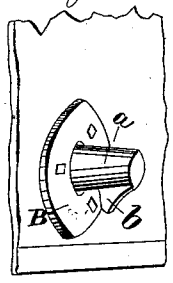


Fig. 4.



Fig. 5.

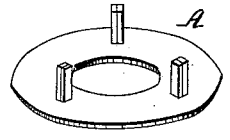
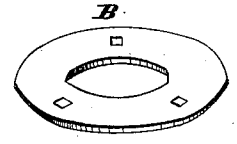


Fig. 6.



Witnesses

J. J. Thompson

Saml White

Inventors

Wm Z. W. Chapman

J. W. Chapman

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM Z. W. CHAPMAN, OF NEW YORK, N. Y., AND J. W. CHAPMAN, OF HYANNIS, MASSACHUSETTS.

IMPROVEMENT IN CARRIAGE-CURTAIN FASTENINGS.

Specification forming part of Letters Patent No. **33,515**, dated October 22, 1861.

To all whom it may concern:

Be it known that we, WILLIAM Z. W. CHAPMAN, of the city, county, and State of New York, and J. W. CHAPMAN, of Hyannis, Barnstable county, State of Massachusetts, have invented certain new and useful Improvements in Fastenings for Carriage-Curtains and other Like Purposes; and we do hereby declare the following to be a full, clear, and exact description thereof, referring to the accompanying drawings for illustration, in which—

Figure 1 is the exterior view of a knob or catch; Fig. 2, a section of the same; Fig. 3, a front view of grummet affixed to curtain; Fig. 4, a section of the same; Fig. 5, parts of the grummet detached.

In all the efficient fastenings heretofore made great objection has arisen from the rattling and noise produced by the adjacent parts, or in instances where this was remedied it was at great expense or inconvenience. Our present improvements afford a cheap and easily made fastening, conveniently and quickly attached and expeditiously fastened and unfastened, durable in its character, and entirely free from noise.

The construction is as follows: We form a cylindrical or other shaped cap *a* of thin metal or other suitable material, having a flange at its lower end, as may be seen in the section, Fig. 2. A slot is made through one side of this cap *a*, through which the catch *b* projects. Into this cap we slide a catch-piece *b*, having a ring of wire *c* that is just tightly fitted into the cap, strung through a hole at its end that makes the hinge-joint, as clearly indicated in the section, Fig. 2. Upon this catch we put a piece of india-rubber, which serves as a spring, or a bent piece of wire, such as is seen below at A, Fig. 2. We prefer, however, the metal spring for durability. The catch is kept projected outward except when it is pressed in in fastening or unfastening. When the parts are inserted we apply to the base or open end of the cap a common wood-screw, having a metal cup-shaped washer around it which covers the flange on cap *a*, and by a tool is firmly set down upon it, as seen in Fig. 2. This knob or catch is a cheap and durable one, without any rattling about its parts. To use it as proposed, we make a grummet of two parts, as seen at A B, Fig. 5. One of these has three (more or less) pins projecting from its inner surface that pierce through the curtain when it is applied. We then apply to the inner side of the curtain and upon the points of said pins a circular disk of rubber, leather, or other suitable material, and on the inner half B of the grummet, passing the ends of the pins, which are split, through holes made therein to receive them. The pins are then spread down upon the recess in the inner grummet, and the proper sized hole, somewhat smaller than the hole through the center of the grummet, is punched through the curtain and disk, leaving a rim all around projecting beyond the edge of the grummet. Thus made, when the curtain is slipped over the catch there is no rattle between the parts. The grummet supports and strengthens the curtain, and the inner rim keeps the grummet from contact with the body of the knob.

Having thus fully described our improved fastening, what we claim, and desire to secure by Letters Patent, is—

1. The constructing of the catch or knob substantially as herein specified.

2. The noiseless grummet-fastening, as and for the purposes specified.

WM. Z. W. CHAPMAN.
J. W. CHAPMAN.

Witnesses:
BRADFORD JONES,
SAMUEL B. JONES,
ZENAS D. BASSET,
SARAH L. BASSET.