

(No Model.)

A. HAMPEL.  
CARRIAGE CURTAIN FASTENER.

No. 506,110.

Patented Oct. 3, 1893.

Fig. 1.

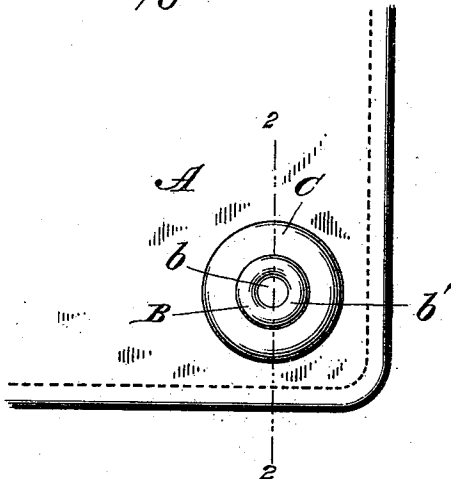


Fig. 2.

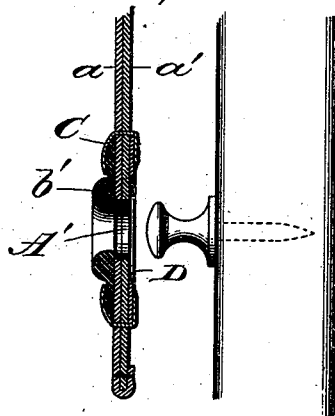


Fig. 4.

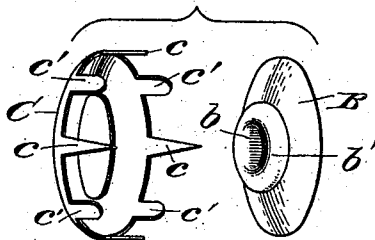


Fig. 3.

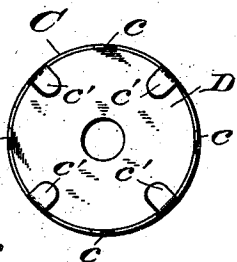


Fig. 4.

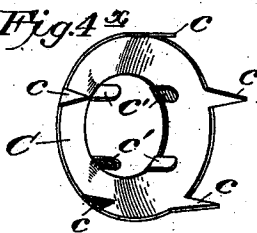


Fig. 5.

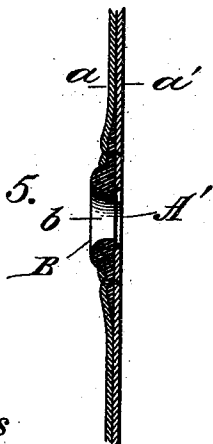
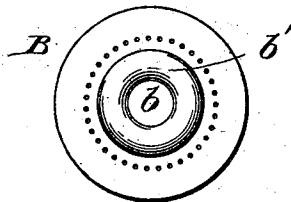


Fig. 6.

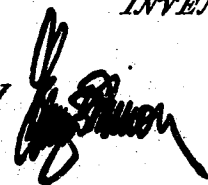


Anthony Hampel.

INVENTOR

WITNESSES

L. S. Elliott.  
E. M. Johnson

by  Attorney

# UNITED STATES PATENT OFFICE.

ANTHONY HAMPEL, OF CINCINNATI, OHIO.

## CARRIAGE-CURTAIN FASTENER.

SPECIFICATION forming part of Letters Patent No. 506,110, dated October 3, 1893.

Application filed June 8, 1893. Serial No. 476,980. (No model.)

### *To all whom it may concern:*

Be it known that I, ANTHONY HAMPEL, a citizen of the United States of America, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Eyelets for Carriage-Curtains; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

15 The object of this invention is to provide a simple, cheap and efficient eyelet for carriage curtains, which will be neat in appearance and will securely hold the curtain to the stud-button when in engagement therewith.

20 In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation, showing the carriage curtain eyelet applied. Fig. 2 is a sectional view on the line 2—2 of Fig. 1. Fig. 3 is a rear view of the concave ring, showing the disk secured thereto. Figs. 4 and 4<sup>x</sup> are perspective views showing the ring and disk detached. Fig. 5 is a sectional view of a modification; and Fig. 6 is a front elevation of the disk shown in Fig. 5.

30 A designates the carriage curtain, which consists of the cloth *a* and lining *a'*. The curtain is provided at intervals with apertures *A'*, which are preferably of a little greater diameter than the head of the stud-button.

35 B designates a rubber disk which has centrally an aperture, *b*, of less diameter than the head of the stud-button, and surrounding this aperture the disk is provided with a semi-circular projecting portion *b'*, the part of the disk beyond this projecting portion being tapered so that it will be extremely thin at its outer edge.

40 It will be noted that in a disk constructed as hereinbefore described the wall surrounding the aperture therein is curved to correspond with the under side of the head of an ordinary stud-button, so that when the disk is forced over the stud-button the aperture 45 will be expanded and then contracted beneath

the head of the button. The shape of the aperture in the disk also insures the easy removal of the carriage curtain from the stud-buttons, as the parts where they contact being rounded and the disk being expansible 55 will permit said parts to be pulled apart without affecting the means which attach the disk to the curtain. This special feature of construction will clearly distinguish my invention from such carriage curtain attachments 60 as are provided with elastic thimbles attached to surround the aperture in the carriage curtain, as usually these thimbles are increased in thickness to embrace the head of the stud-button, and when drawn upon cause an inversion of the thimble so that it grasps the stud-button with more than its normal pressure, which force is exerted or extends to the margin or flange of the thimble, so that in practice such construction is very defective 65 as the thimbles are soon torn away from their fastening devices and the curtain. 70

In attaching the disk hereinbefore described it can be placed either between the cloth *a* and lining *a'* of the curtain by cement and stitching or on the outside of the curtain by the attachments hereinafter described. 75 When the disk is stitched to the curtain the part thereof beyond the row of stitches is held against expansion, being intimately attached to the non-elastic cloth and lining, and the part of the disk which is increased in thickness has its elasticity left unimpaired. 80

In attaching the disk to the outside of the curtain I employ a concave ring, C, which is made up of malleable metal and is provided with pointed spurs, *c*, and blunt spurs, *c'*. The aperture of the ring is of the same or a little greater than the diameter of the projecting portion of the disk, and to supply the disks to the trade ready for attachment they are placed in the rings C so that the projecting portions *b'* thereof will project through the aperture of the ring and the blunt spurs of the ring are bent to engage with the disk, 85 as shown in Figs. 3, and 4<sup>x</sup>, and when it is attached to the curtain the pointed spurs are forced through the same and bent upon an annular washer D. The ring C and washer D may be enameled. 90 100

The ring C is preferably made concave, as such construction not only gives a neat appearance to the fixture but the inner and outer edges are caused to engage with the washer and better hold it in position.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A carriage curtain eyelet made up of a single piece of soft rubber having a central aperture surrounded on one side of the eyelet with a bead *b'* the inner and outer outline of said bead forming the segment of a circle and a flange, the side thereof which extends from the inner side of the bead to the outer edge of the eyelet being a plane surface while the opposite side tapers from the junction of the bead to the outer edge of the eyelet, substantially as shown, the same being adapted to be applied between the lining and outer portion of the curtain so that the upper surface of the bead will engage with the under side of the carriage button.

2. An elastic or rubber disk having a central opening and reinforced on one side only by a semi-circular projecting portion *b'* which surrounds said opening, and having a flange surrounding said projecting portion one side of which is inclined or beveled, combined with a ring C having spurs *c* and *c'* for connecting the disk thereto and to the carriage curtain,

substantially as shown, and for the purpose set forth.

3. An improved article of manufacture comprising an elastic disk having a central portion of increased thickness and a tapered flange surrounding the same, and a concave ring having at its outer edge blunt spurs which are adapted to be bent for engagement with the disk to hold the ring and disk in intimate connection with each other and pointed spurs for the purpose set forth.

4. An eyelet or carriage curtain attachment comprising a metallic ring having spurs *c* and *c'*, said ring being concave in cross-section, a disk B having a central aperture and a projecting portion surrounding said aperture which is adapted to pass through the opening in the ring, an annular washer D with which the points or spurs *c* of the ring are adapted to engage, the curtain having an aperture through which the stud-button passes of greater diameter than the opening in the disk, substantially as shown, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ANTHONY HAMPEL.

Witnesses:

GEORGE G. BRIGHT,  
MILES JOHNSTON.