J. S. KUDER.

CARRIAGE-CURTAIN FASTENER.

No. 192,267. Patented June 19, 1877.

Fig. 2.

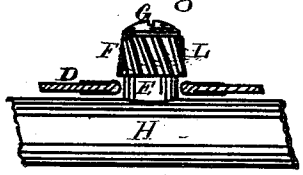


Fig. 1.

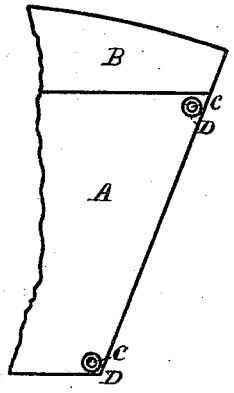


Fig. 3

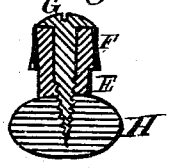


Fig. 4.

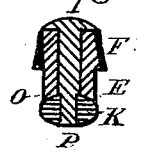


Fig. 5.

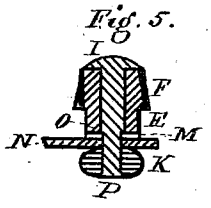


Fig. 7.



Fig. 6.



Witnesses;

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UNITED STATES PATENT OFFICE.

JAMES S. KUDER, OF TIFFIN, OHIO.

IMPROVEMENT IN CARRIAGE-CURTAIN FASTENERS.

Specification forming part of Letters Patent No. **192,267**, dated June 19, 1877; application filed July 22, 1876.

To all whom it may concern:

Be it known that I, JAMES S. KUDER, of Tiffin, in the county of Seneca and State of Ohio, have invented new and useful Improvement in Carriage-Knobs or Curtain-Fasteners; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which—

Figure 1 shows a section of the top, in which B shows the top part, and A the curtain. Fig. 2 shows a full view of the several parts—screw G, rubber F, recess E, ribs L, bow H, and eyelet D. Fig. 3 shows a vertical section of Fig. 2. Fig. 4 shows a vertical section of the rivet-attachment as applied to the iron rail hereinafter described. Fig. 5 shows a vertical section with the washer and carriage-stay between. Fig. 6 shows the rivet used in the iron rail. Fig. 7 shows the rubber button with the spiral corrugated ribs, as hereinafter described.

The object and purpose of this invention is to furnish an elastic button that will readily yield to the passing of the eyelet D, and rearrange itself after the passage, and thereby prevent the displacement of the curtain.

To enable others skilled in the art to which my invention appertains to make and construct the same, I will proceed to describe its construction and operation.

The rubber F is made solid, with the corrugations L molded thereon. These corrugations are spiral, as shown in Fig. 2. The spaces formed for the reception of the ribs L are large enough for them to lie down in. By this means they are compressed into the recesses, and when the eyelet has passed over they spring up and rearrange themselves, and thereby prevent the passage of the curtain off the button F. This rubber button F has a hole molded therein for the screw G, and said screw can be made to expand the rubber, if it be necessary.

Fig. 2 shows how the screw G is inserted in the bow H, and how the eyelet D is slipped over and remains secure in the recess E, but it can be easily removed therefrom with very little force, yet it cannot in any way get displaced by accident.

There is also the rivet I, for securing the rubber button to the iron rail of the carriage. This has a shoulder, as shown at O, Fig. 6, and in Fig. 5 it is shown how it is inserted and riveted into the iron K, which is drilled, and the part P inserted.

The carriage-stay N is covered with a copper washer, M, to prevent cutting the leather, and is thereby securely fastened thereto, thus preventing any movement of the stay.

The advantage in this said improvement is the fact that there is no trouble in removing the curtain off the button, as the ribs L lie down in the recesses in the withdrawal of the eyelet, just as they do in putting it on.

Having thus described the construction and operation of my invention, what I claim, and wish to secure by Letters Patent, is—

1. The rubber button, provided with corrugations of spiral form, and recesses of sufficient width to allow the ribs to lie down therein, constructed as described, and for the purpose set forth.

2. The rubber button, having spiral corrugations, substantially as described, in combination with the screw or rivet, as specified.

In witness that I claim the foregoing I hereunto set my name this 19th day of July, 1876.

JAMES S. KUDER.

Witnesses:
JOHN GWYNN,
W. W. SHEIBLEY.