

J. D. ROTH.
CURTAIN FASTENER.
APPLICATION FILED SEPT. 8, 1916.

1,248,723.

Patented Dec. 4, 1917.

Fig. 2.

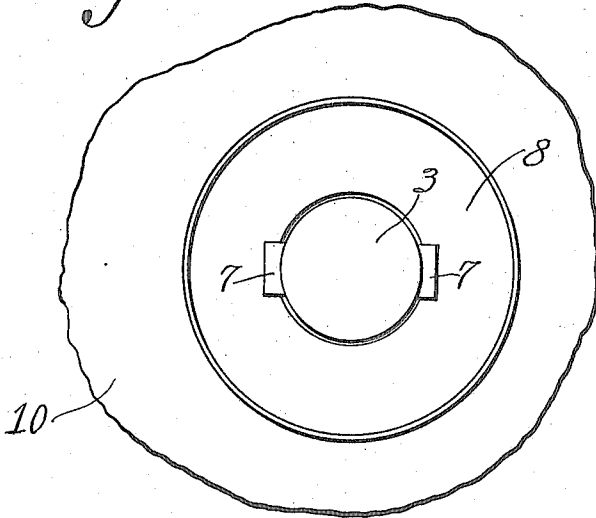


Fig. 5.

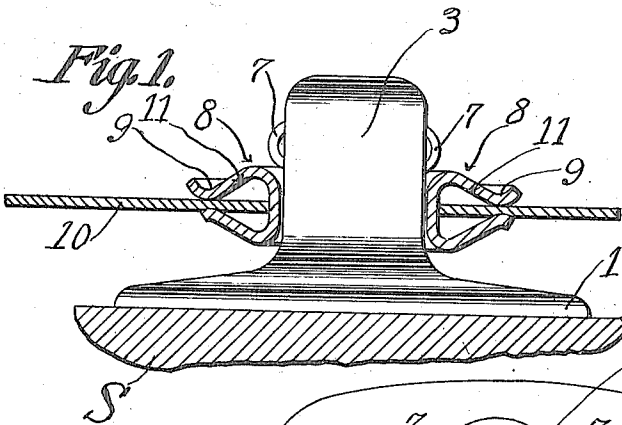
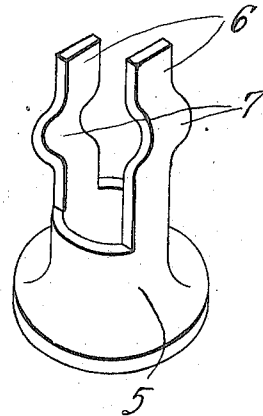


Fig. 4.

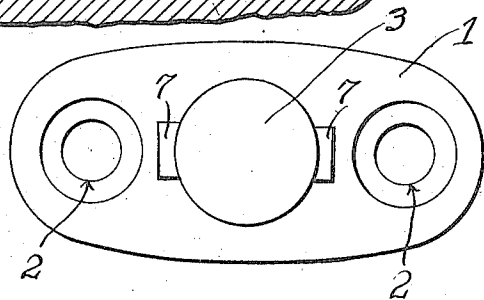
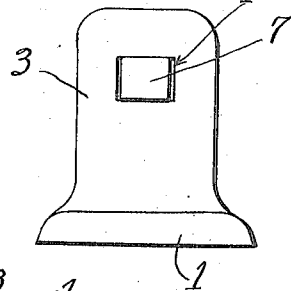


Fig. 3.

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Witnesses

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UNITED STATES PATENT OFFICE.

JAMES D. ROTH, OF WATERBURY, CONNECTICUT.

CURTAIN-FASTENER.

Specification of Letters Patent.

Patented Dec. 4, 1917.

1,248,723.

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To all whom it may concern:

Be it known that I, JAMES D. ROTH, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Curtain-Fastener, of which the following is a specification.

This invention relates to curtain fasteners particularly designed for use in connection with the curtains of vehicles, one of the objects of the invention being to provide a button of novel form on which an eye connected to a curtain can be snapped, it being possible to readily construct all of the parts of the fastener from light metal.

A further object is to provide a device of this character which is cheap to manufacture, can be readily applied, and will securely hold an engaged curtain in position.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—

Figure 1 is a view partly in elevation and partly in section of a fastener embodying the present improvements.

Fig. 2 is a plan view thereof, the adjacent portion of the curtain being shown.

Fig. 3 is a plan view of the button member of the fastener.

Fig. 4 is an end elevation thereof.

Fig. 5 is a perspective view of the core of the button.

Referring to the figures by characters of reference 1 designates an elongated base having apertures 2 for the reception of screws or other fastening means. Extending from the base is a substantially cylindrical button 3 which is hollow and closed at its free end, this button being provided at diametrically opposed points and adjacent the end with apertures 4 preferably rectangular as shown particularly in Fig. 4.

Insertible into the button 3 is a flared core 5 adapted to fit snugly within the base portion of the button 3 and having opposed spring tongues 6 which are integral with the core 5 and are offset outwardly as at 7 to provide rounded retaining ribs. When the core 5 is fitted within the base portion of the button 3 the ribs 7 will project through the openings 4 and short distances therebeyond, as shown particularly in Figs. 1, 2 and 3. It will be noted, however, that the tongues 6 are free to spring inwardly toward each other, thus to partly or entirely withdraw the ribs 7 from the openings 4 and permit a ring 8 to slip onto the button 3 and past the ribs 7. This ring 8 can be of any construction desired. In the drawings it has been shown made up of sheet metal pressed back to form opposed annular flanges 9 which grip the curtain 10 adjacent the wall of an opening 11 within the curtain. The ring or eye 8 extends through this opening 11 and the internal diameter of the eye is slightly greater than the external diameter of the button 3.

Obviously when the eye is slipped onto the button 3 the ribs 7 will be pushed inwardly thereby until after the eye has passed over them, whereupon they will spring outwardly and thus act to retain the eye against normal pressure. By pulling outwardly violently upon the curtain, however, the eye 8 will cause the ribs 7 to shift inwardly thus to allow the eye to pass off of the button.

It will be seen that the parts can all be made cheaply, can be easily assembled and applied, and will not readily get out of order.

If desired, radial corrugations or grooves may be formed in the base 1 and the bottom of the flared core 5 so that the parts 1 and 5 will be held against rotation relative to each other when the core is in position.

What is claimed is:—

A curtain fastener including a hollow button closed at one end and open at its other end, there being opposed angular openings in the button near the closed end thereof, a circular core insertible into the open end of the button and fitting snugly therein constituting a reinforce, spring tongues extending from the core and resting throughout their length against the inner surface of the

button, each tongue being provided between its end with an offset portion normally projecting through the adjacent angular opening, the free ends of the tongues constituting stops for limiting the outward movement of said offset portions through the openings.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES D. ROTH.

Witnesses:

LEONARD H. HOWE,
J. H. GREENLAND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."