J. KIRSCHBAUM.

CURTAIN FASTENER.

APPLICATION FILED SEPT. 26, 1917.

Patented Mar. 12, 1918.

1,259,413.

Fig. 1.

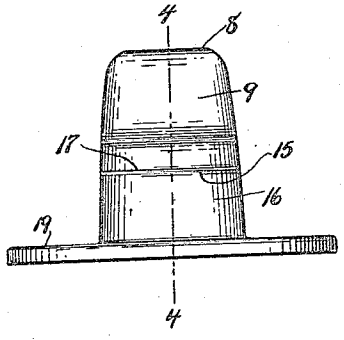


Fig. 2.

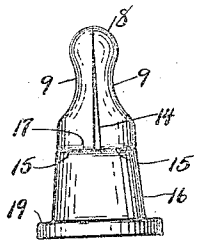


Fig. 3.

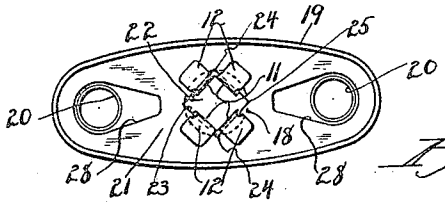


Fig. 4.

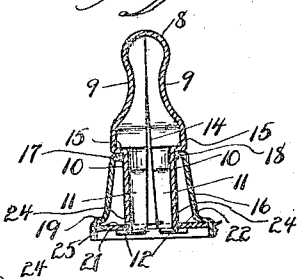


Fig. 5.

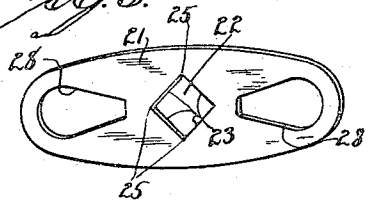


Fig. 6.

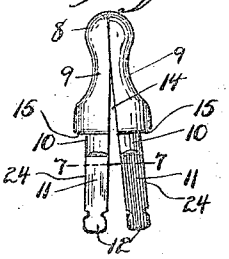


Fig. 8.

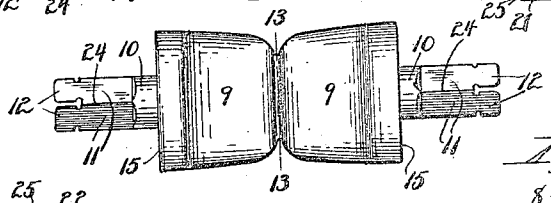


Fig. 9.

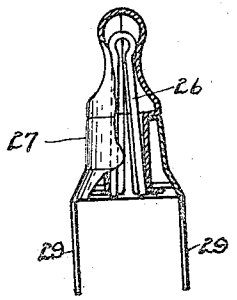
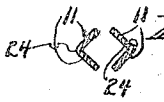


Fig. 7.



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UNITED STATES PATENT OFFICE.

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CURTAIN-FASTENER.

1,259,413. Specification of Letters Patent. Patented Mar. 12, 1918.

Application filed September 26, 1917. Serial No. 193,286.

To all whom it may concern:

Be it known that I, JOHN KIRSCHBAUM, 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 Improvement in Curtain-Fasteners; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Figure 1 a view in side elevation of a curtain-fastener embodying my invention.

Fig. 2 an edge view thereof.

Fig. 3 a reverse plan view thereof.

Fig. 4 a view thereof in transverse section on the line 4—4 of Fig. 1.

Fig. 5 a perspective view of the locking-plate of the fastener-post.

Fig. 6 a detached edge view of the fastener-button.

Fig. 7 a view thereof in transverse section on the line 7—7 of Fig. 6.

Fig. 8 a detached plan view of the fastener-button after being struck up and preparatory to being bent upon itself into final form.

Fig. 9 an edge view, partly in section, showing my invention adapted to a type of fastener designed to be applied directly to fabrics.

My invention relates to an improvement in that class of curtain-fasteners primarily designed to be used for fastening in place the curtains of carriages, automobiles, motor boats, etc., the object being to produce at a low cost for manufacture, a simple, convenient, durable and reliable curtain-fastener.

With these ends in view, my invention consists in a curtain-fastener having its button formed with a laterally yielding shank by which it is held in its locked and unlocked positions.

My invention further consists in a curtain-fastener having certain details of construction as will be hereinafter described and pointed out in the claims.

In carrying out my invention as herein shown, the button or finger-piece 8 of the fastener is struck up from a single piece of sheet-metal and comprises two corresponding finger-portions 9, 9, and two shank-sections each of which latter consists of a semi-circular bearing 10, two locking-faces 11, 11, standing at right angles to each other, and two retaining-fingers 12 forming terminals of the said locking-faces 11, 11. The blank is bent on the line 13 of Fig. 8 and shaped so that its two halves do not come together but stand sufficiently apart to produce, between their edges, narrow, wedge-shaped spaces 14 which permit them to be closed together when the button is rotated as will be hereinafter explained, whereby the button shank is made to yield laterally. The inner ends of the finger-portions 9, 9, of the button, are formed with shoulders 15 overhanging the shank-sections of the button as clearly shown in Fig. 6.

The oval post 16 of the curtain-fastener, is struck up from a single piece of sheet-metal and is formed at its outer end with a seat 17 upon which the shoulders 15 of the button 8 bear, the bearing-faces of the button and post conforming to each other in oval shape so that a gromet may be readily slipped over them in either direction in the usual manner. The center of the said seat 17 has a circular bearing opening 18 receiving the semi-circular bearings 10 at the inner ends of the shank-sections of the button or finger-piece, as shown in Fig. 4. The post 16 is also formed with an oval retaining-flange 19 having openings 20 for securing it in place. Within the flange 19, I locate an oval locking-plate 21 the center of which has a squared opening 22 through which the retaining-fingers 12 of the two shank-sections are passed and turned outward and down upon the outer face of the plate, as shown in Fig. 3, for securing the button in place with a capacity for quarter-turn rotation with respect to the post, the four locking-faces 11 of the two shank-sections being normally engaged respectively with the four sides 23 of the squared opening 22. When the button is grasped between the thumb and forefinger and turned, the said edges 23 of the squared opening 22, cam the shank-sections together against the spring of the metal in the button, permitting the rotation of the button through a quarter turn, the corners 24 of the shank-sections snapping, so to speak, into the corners 25 of the squared opening 22 so as to lock the button parallel with the post 16, which is its clearance position, or cross-wise of the post which is its locking position. The button is held in these positions by the co-

action of its laterally yielding shank with the locking-plate of its post.

In the construction shown by Fig. 9, the spring of the metal entering into the button, is supplemented by a wire spring 26 having the general form of a cotter-pin. In this construction, the oval post 27 is designed to be applied directly to a fabric, and therefore instead of being furnished with a fastener-flange 19, is provided with two fastening prongs 29 adapted to be passed through the fabric and bent upon the inner face thereof in the ordinary manner. The locking-plate is formed with holes 28 alined with the holes 20 in the flange 19 for the passage through it of the screws employed to secure the post 16 in place.

I claim:—

1. A curtain fastener having its button formed with a two-part laterally yielding shank offsetting from its inner end for holding it in its locked and unlocked positions.

2. A curtain fastener having its button provided with a two-part laterally yielding shank offsetting from its inner end having bearing faces, the latter holding the button in its locked and unlocked positions.

3. In a curtain fastener, the combination with a button consisting of a single piece of sheet metal struck up to form two finger-portions and two shank-sections, the latter having bearing surfaces and locking-faces, of a post with which the shank-sections of the button co-act for holding it in its locked and unlocked positions.

4. In a curtain fastener, the combination with a button having two finger-portions and two shank-sections, each of which latter has a semi-circular bearing-face and two angularly disposed locking-faces terminating in retaining-fingers; of a post adapted to be secured in place and provided with a locking plate containing a locking opening for the reception of the said shank-sections the faces of which co-act with the edges of the said opening for holding the button in its locked and unlocked positions.

5. In a curtain fastener, the combination with a button having shank-members offsetting from its inner end and adapted to yield laterally with respect to each other, of a post receiving said shank-members which are permanently connected with the post for the rotation of the button therein, the said yielding shank members co-acting with the post to hold the button in its locked and unlocked positions.

6. In a curtain fastener, the combination with a button consisting of a single piece of sheet-metal folded midway of its length to form two finger-portions, and two shank-sections the adjacent edges of which latter normally stand apart; of a post receiving the said shank-sections which are permanently connected with it for the rotation of the button in it, the said button being held in its locked and unlocked positions in the post by the lateral yielding of its shank-sections.

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

JOHN KIRSCHBAUM.

Witnesses:
J. S. NEAGLE,
S. C. RECKER.

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