July 12, 1938. C. FLICHTENFELD ET AL 2,123,722

FASTENER FOR UMBRELLA COVERS

Filed Dec. 29, 1937

Fig. 1.

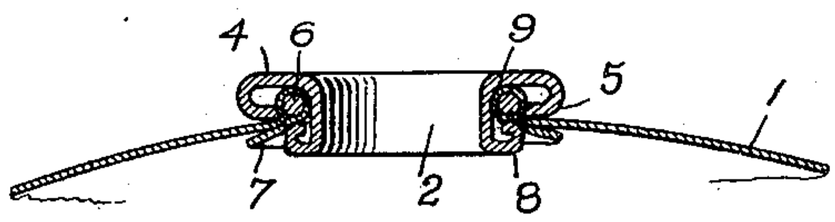

Fig. 2.

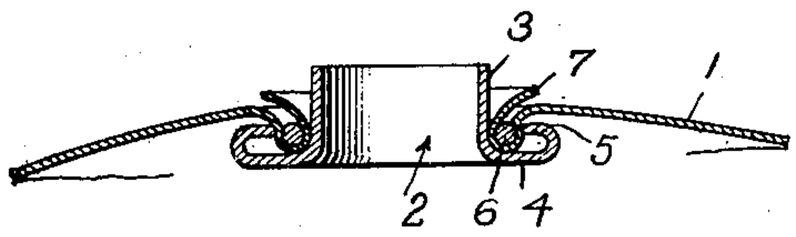

Fig. 3.

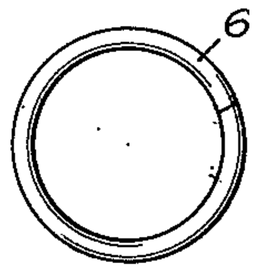

Fig. 4.

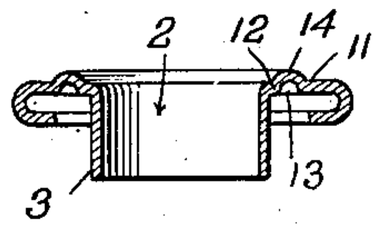

Fig. 5.

WITNESSES

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Patented July 12, 1938 2,123,722

UNITED STATES PATENT OFFICE

2,123,722

FASTENER FOR UMBRELLA COVERS

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Application December 29, 1937, Serial No. 182,180

5 Claims. (Cl. 24—141)

This invention relates to fasteners for umbrella covers and has for an object to provide a construction which presents a pinching action at a plurality of points for holding the cover in place.

Another object of the invention is to provide a fastener at the top center of an umbrella cover formed to present a three-point pinching action, arranged to distribute the strain evenly between the fastener and the cover.

A still further object of the invention is to provide a simple metallic fastener for the center of an umbrella cover which includes a holding ring in connection with a pinching sleeve arranged to pinch the fabric cover of the umbrella at a plurality of points in such a way as not only to distribute the strain but to provide means which will not tear the fabric when an unusual strain is brought to bear thereon.

In the accompanying drawing—

Fig. 1 is a vertical sectional view through a fastener disclosing an embodiment of the invention, the same being shown in connection with part of the cover of an umbrella;

Fig. 2 is an inverted view of the structure shown in Fig. 1 with the sleeve unclamped;

Fig. 3 is a plan view of the ring shown in Figs. 1 and 2;

Fig. 4 is a sectional view through a modified form of sleeve to that shown in Fig. 1;

Fig. 5 is a sectional view through a modified form of ring to that shown in Fig. 3.

Referring to the accompanying drawing by numerals, 1 indicates the cover of an umbrella which may be fabric or other material and which is adapted to have the center part clamped to the eyelet or sleeve 2. The eyelet or sleeve 2 is formed as shown in Fig. 2, namely with a tubular part 3, a base or top surface 4, and an inturned annular flange 5. As shown in Fig. 2 the edge of flange 5 presses against the cover 1 so as to pinch the same against the ring 6 at one point. It will be noted that the cover 1 is wrapped around ring 6 so as to present an extending flap or flange 7.

After the parts have been arranged as shown in Fig. 2 they are subjected to a riveting or pressing machine which turns over the end of the tubular part 3 to a position as shown in Fig. 1, whereby there is provided an inwardly extending flange 8 pressing against the flange 7 and acting with the edge 5′ of flange 5 for pressing the ring against the wrapped fabric so as to pinch the same against the sleeve 2 at the bend 9. By forming the parts in the manner described the fabric is pinched at three points and, consequently, the strain is distributed evenly whereby it will not tear when any excessive strain is brought to bear thereon.

It will be understood that the above-described construction is arranged centrally of the cover and the umbrella handle or stem extends through the sleeve 2 in the usual manner.

The ring 6 is round in cross section, as shown in Figs. 1 and 2, and is preferably a perfect circle as shown in Fig. 3. However, in Figs. 4 and 5 a slightly different construction is shown wherein the parts function in substantially the same manner except that the ring 6′ is made from sheet metal and bent to provide a part 10 which is arc-shaped in cross section and which has an arc-shaped portion formed to fit against the respective corners 11 and 12 of a groove formation 13. The groove formation 13 is formed by pressing the metal so as to produce an exterior bead 14 which acts to stiffen and in a limited sense to beautify the construction. The tubular part 3 is the same as shown in Figs. 1 and 2 and is adapted to be upset or clamped over in the same manner.

It is to be observed from Fig. 1 particularly that when the tubular part 3 is upset or turned over it is moved to the position shown in said figure and in being forced over to this position the bent-over part carries some of the fabric of the cover toward ring 6 and presses the same tightly against the ring so as to secure a good pinching or clamping action.

We claim:

1. A fastener for umbrella covers comprising a sleeve having an inturned flange and a turned over end presenting an inwardly extending flange, and a ring over which part of the cover of the umbrella is adapted to be looped, said ring being positioned so that the looped part of the cover is pressed by both of said flanges against said sleeve.

2. A fastener for umbrella covers including a metallic fitting having a metallic ring with the fitting formed with a pair of flange members pressing against the ring at different points and pressing the ring against said fitting so as to provide a three-point gripping action for said cover.

3. A fastener for umbrella covers formed to grip the center part of the cover, comprising a metal ring adapted to be encircled by part of the cover, and a tubular gripping member having a body with the respective ends positioned to press the fabric covered ring against the body and pinch the fabric at a plurality

of spaced points uniformly around the body and also functioning to clamp the fabric-covered ring against said body whereby the strain is distributed.

4. A fastener for umbrella covers comprising a member having a tubular body and an inturned annular gripping portion, and a ring surrounding the tubular body interiorly of said gripping portion, said body at the end opposite said gripping portion being formed with a gripping flange extending at almost right angles to said gripping portion for gripping said ring and that part of the cover surrounding the ring and pressing the ring and covering against said body.

5. A fastener for umbrella covers comprising a tubular body having a radiating flange at one end formed with an annular groove interiorly and an annular bead exteriorly whereby the parts are reinforced, said flange having the outer part turned inwardly, a ring coacting with the tubular body and said inwardly turned part for gripping the cover, and a second radiating flange extending from said tubular body formed with an inturned edge coacting with said inwardly turned part for pressing said ring against said body and the first mentioned flange at its juncture with said body.

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