Nov. 11, 1930. C. P. SCHLEGEL 1,781,478

GRIP STRAP OR TOGGLE

Filed May 13, 1929

Fig. 1

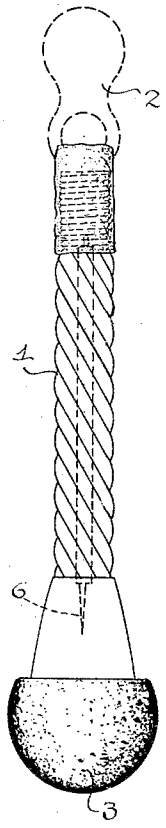
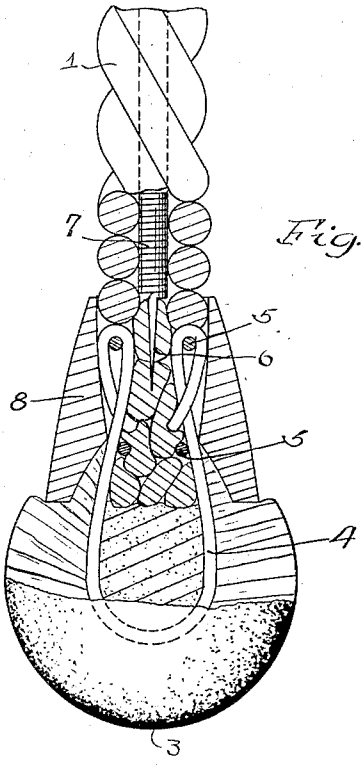


Fig. 2



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UNITED STATES PATENT OFFICE

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GRIP STRAP OR TOGGLE

Application filed May 13, 1929. Serial No. 362,617.

The present invention relates to grip straps or toggles of the type used in motor vehicles and having a grip portion anchored at one end and provided with a tassel or pompon at the other end, the grip portion enclosing a laterally bendable spring which tends to hold the grip portion in a normally straight condition but which bends laterally with the grip portion in use.

An object of this invention is to provide a novel means of anchoring one end of the spring so that it is not free to work its way through the enclosing covering or casing.

To this and other ends, the invention consists of certain parts and combinations of parts all of which will be hereinafter described: the novel features being pointed out in the appended claims.

In the drawings:

Fig. 1 is a side view of a grip strap or toggle embodying the present invention; and

Fig. 2 is an enlarged fragmentary sectional view.

Grip straps known to the trade as toggles have been previously constructed with a grip portion formed of strands 1 wound in spiral form and having an anchoring means 2 at one end and a pompon or tassel 3 surmounted by a ferrule 8 at the other end. The pompon is secured in place by an anchoring or binding wire 4 which passes through the tassel or pompon and is bent about binding rings or wires 5 which hold the strands 1 of the grip portion in a compressed condition. Such a grip strap has also had a helically coiled spring 7 enclosed and surrounded by the strands of the grip portion and free at both ends so as to be introduced into the grip portion after the latter has been formed and the tassel or pompon attached. The freedom in the grip portion of this spring 7 has permitted the lower end of the spring to work through the enclosing strands.

The present invention provides a novel means of anchoring the laterally bendable spring 7 at one end so that the tendency to work through the helical covering strands is eliminated. In this instance, the spring 7 is anchored in that portion of the strands held compressed by the wires 5 or other suitable compression holding means. This is effected preferably by a pin 6 which is formed of the wire stock of the coiled spring. This pin is forced into the compressed portion by separating the strands of the grip portion and then the spring 7 is entirely enclosed into the grip portion by causing such spring to follow the windings and pass between two of the strands until the entire spring is enclosed.

This construction prevents any free movement of the spring coil within the enclosing grip portion or covering and prevents the anchored end working between the windings of the strands.

What I claim as my invention and desire to secure by Letters Patent is:

1. A grip strap or toggle having a grip portion, and a laterally bendable spring enclosed in said grip portion and having a pin at one end projecting into a part of the strap to prevent lateral shifting of such end of the spring.

2. A grip strap or toggle having a grip portion, and a helically coiled spring enclosed in said grip portion and having a pin formed from the stock of the spring and anchored in the strap to prevent lateral shifting of such end of the spring.

3. A grip strap or toggle comprising a grip portion, means holding the grip portion in a compressed condition at one end, and a laterally bendable spring enclosed by the grip portion and having staying means at one end anchored in the compressed portion of the grip portion.

4. A grip strap or toggle comprising a grip portion, means holding the grip portion in a compressed condition at one end, and a laterally bendable spring enclosed by the grip portion and having a pin at one end anchored in the compressed portion.

5. A grip strap or toggle comprising a grip portion formed of spirally wound strands, means surrounding one end of the grip portion to hold the strands in a compressed condition and a laterally bendable helical coil having one end anchored in the compressed portion of the strands.

CHARLES P. SCHLEGEL.