Aug. 10, 1926. 1,595,787

R. W. JOHNSON

COVER FOR OILING DEVICES

Filed Feb. 18, 1924

Fig. 1.

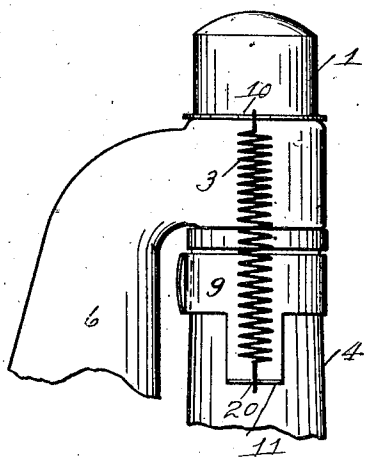
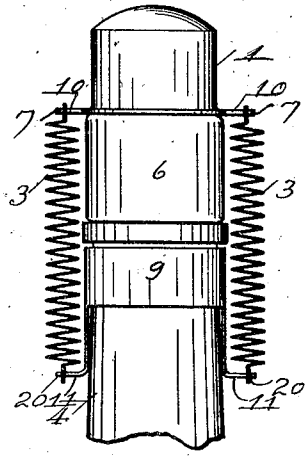


Fig. 2.



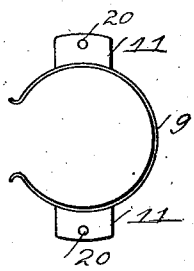
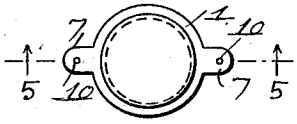


Fig. 3.

Fig. 4.



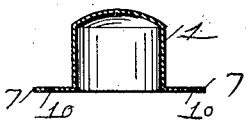


Fig. 5.

Fig. 6.

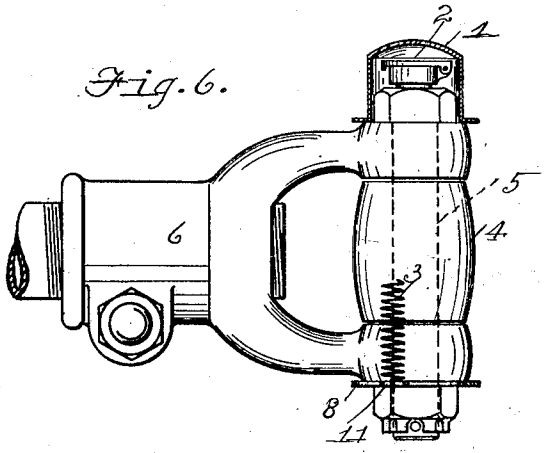


Fig. 7.

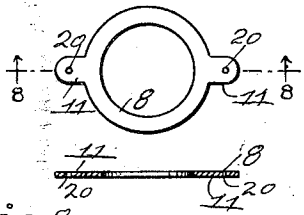


Fig. 8.

Witness:
Geo. L. Chapel

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UNITED STATES PATENT OFFICE.

ROY W. JOHNSON, OF GRAND RAPIDS, MICHIGAN.

COVER FOR OILING DEVICES.

Application filed February 18, 1924. Serial No. 693,488.

The present invention relates to covers for oiling devices; and its object is to provide an improved cover of that character which shall be tightly and securely spring-pressed in its operative position.

This object is attained by, and the invention finds preferable embodiment in, the structure hereinafter particularly described in the body of this specification and illustrated by the accompanying drawings, in which:—

Figure 1 is a side view of my cover device applied to the steering gear of an automobile;

Figure 2 is a front view of the same;

Figure 3 is a plan view of a spring-clip anchoring means for the cap thereof;

Figure 4 is a top plan view of the cap;

Figure 5 is a sectional view of the cap taken on line 5—5 of Figure 4;

Figure 6 is a side view of my cover device, applied to such steering gear and showing anchoring means of a modified construction, the cap being shown in central vertical section;

Figure 7 is a plan view of said anchoring means; and

Figure 8 is a sectional view of the same taken on line 8—8 of Figure 7.

My cover device comprises a hollow cap 1 adapted to be applied to the desired parts to be covered and protected thereby, as the oiling device for the knuckle of the steering gear of an automobile shown in Figures 1, 2 and 6. In the operative position of said cap shown in said views, it encloses the lid 2 of said oiling device. The cap 1 is yieldingly held in its position enclosing said lid by a pair of springs 3 connected at one of their ends (their lower ends) to anchoring means attached to the knuckle 4, the pivot pin 5 extending through said knuckle and the bifurcated end of the rod 6 whereby the knuckle is swung to steer the automobile. These springs are attached at their other ends (their upper ends) to the cap outside the same and on opposite sides thereof, being hooked into orifices 10 in their oppositely disposed radially extending ears 7, and in the operative position of the cap shown in Figures 1, 2 and 6 yieldingly pressing the cap toward the anchoring means.

Such anchoring means may be the ring 8, shown in Figures 6, 7 and 8, abutting against the under side of the bifurcated rod 6, as shown in Figure 6; or, and preferably, such anchoring means may be the spring clip 9 adapted to be removably clasped around the knuckle 4 as shown in Figures 1 and 2. In either form of the anchoring means, the lower ends of the springs 3 are hooked into orifices 20 in the ears 11 on the opposite sides of the anchoring means 8 or 9.

It will be seen that the springs may be expanded sufficiently to allow the cap to be withdrawn entirely from its position shown in Figures 1, 2 and 6 so that the bearings protected thereby may be oiled, and that thus withdrawn it is nevertheless securely connected to the automobile by the springs 3 so that it can not be lost or fall to the ground; and that, in its operative position, the cap keeps dust and dirt from contact with the lid 2 or attaching to the parts covered by the cap.

I claim:

A device of the character described, comprising: a hollow cap; an anchoring spring clip for the same adapted to removably enclasp a support; a pair of springs connected at one end to the clip and at the other end to the cap outside the same on opposite sides thereof, and pressing said means and the cap in its operative position toward each other.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 15th day of February, 1924.

ROY W. JOHNSON.