Aug. 19, 1930. P. J. DRUM 1,773,350

RADIATOR CAP

Filed Feb. 20, 1930

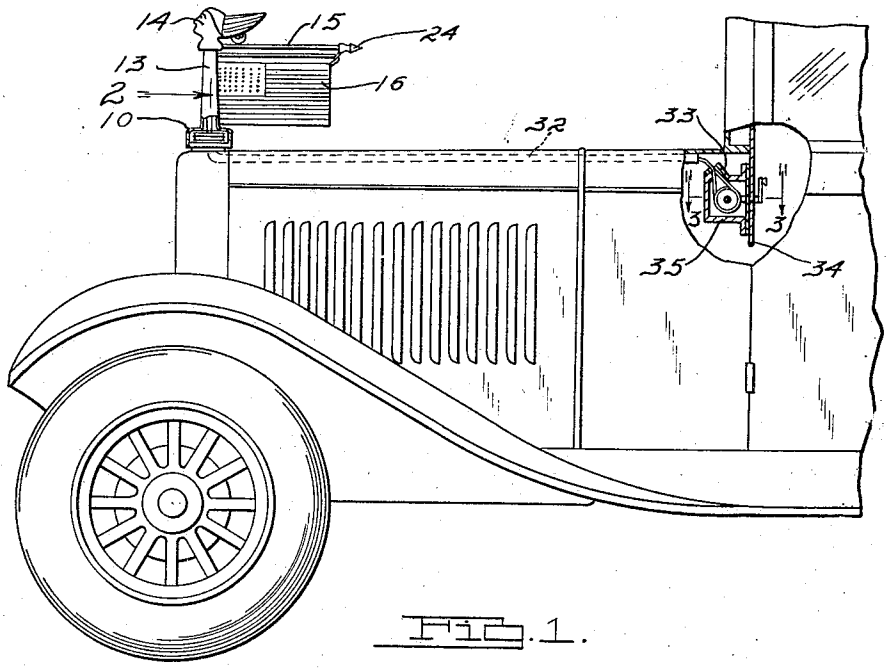


Fig. 1.

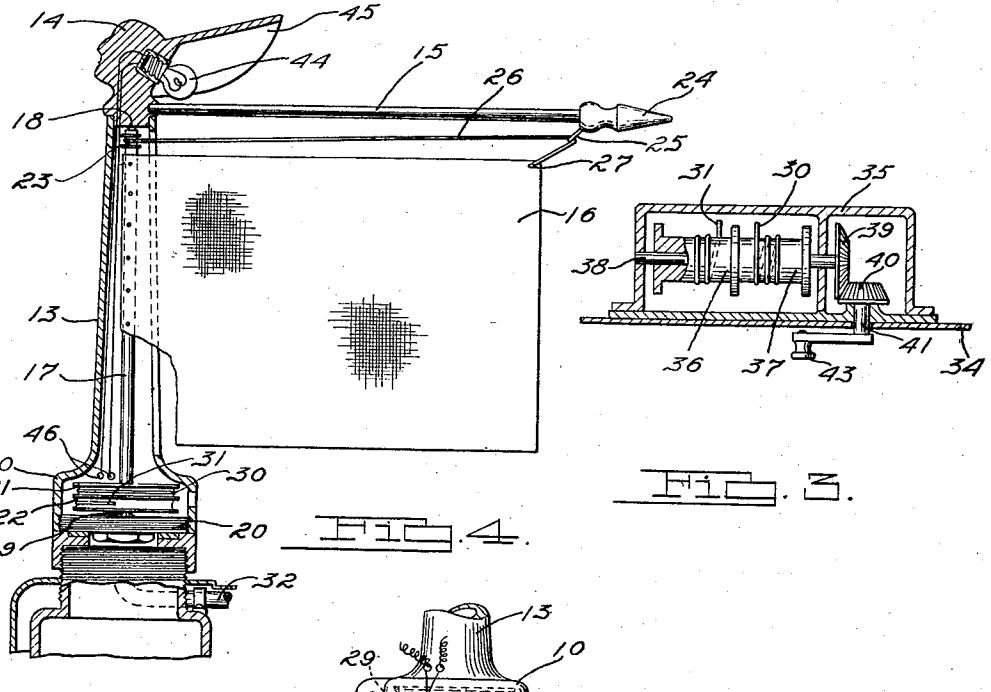


Fig. 3.

Fig. 4.

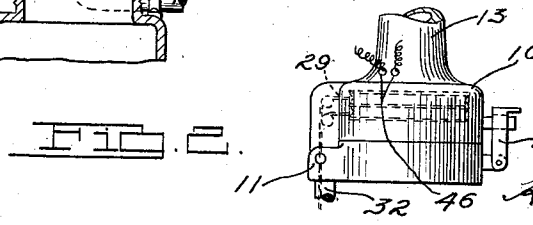


Fig. 2.

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Patented Aug. 19, 1930 1,773,350

UNITED STATES PATENT OFFICE

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RADIATOR CAP

Application filed February 20, 1930. Serial No. 430,093.

This invention relates to an ornament suitable for use upon the radiator of an automotive vehicle; and more particularly to an organization including movable parts mounted upon a radiator cap and manipulable from within a car.

It is an object of this invention to provide a radiator cap with means for the support of a flag, or the like, preferably in a vertical plane; and said means may include a hollow post, extending upwardly from a cap, and a horizontal arm extending rearwardly from said post. In preferred embodiments of the invention the said post may be decorative; and it may be surmounted by any ornamental element,—such as the head of an Indian provided with a ceremonial head dress. Said post may contain a roller to which the flag is so secured as to be extensible, at will, longitudinally of said arm; and said post or the ornament thereon may be provided with a light,—said head dress, or its equivalent, optionally serving to support and conceal a reflector, disposed favorably to the illumination of said flag by said light.

The mentioned light may be placed in series with another light,—such as a head lamp of the car; wiring thereto may enter said cap at a point near a hinge for said cap, the mentioned point being substantially opposite a clip or other releasable securing device; and other objects of the present invention, including the employment of manipulating means such as a pair of drums upon the lower end of a roller carrying the mentioned flag, and a corresponding pair of drums manipulable by means such as a crank carried by an instrument board, said pairs of drums being interconnected by flexible means such as cords or wires that may be wound upon said drums, may be best appreciated from the following description of an illustrative embodiment of the present invention, taken in connection with the appended claims and the accompanying drawings:

Fig. 1 is a somewhat diagrammatic vertical sectional view, taken through a radiator cap and an instrument board, some parts being shown in elevation and some parts being broken away, and Fig. 4 corresponds to a part thereof.

Fig. 2 is a vertical sectional view, taken substantially as suggested by the arrow 2 of Fig. 1.

Fig. 3 is a sectional view taken substantially as suggested by the line 3—3 of Fig. 1.

Referring to details of that specific embodiment of the invention selected for purposes of illustration, a downwardly concave radiator cap 10 is shown as secured by means comprising a hinge 11 and a pivoted catch 12,—these elements being optionally of a conventional type excepting as the cap 10 is surmounted by a hollow post 13 and/or adapted to receive bearings. The post 13 may upwardly terminate in or be provided with any ornament,—such as, for example, an Indian head 14; and said post may also carry a rearwardly extending arm 15, suitable for use in supporting one end of a flag or banner or advertisement 16, or the like.

In order to provide for the retraction of the flag 16 or its equivalent from that extended position in which it is shown in Fig. 1, and to provide for the restoration thereof to its illustrated position from a remote point,—such as the interior of a car on whose radiator the cap 10 is secured, the post 13 may longitudinally receive a roller 17, to which the inner end or edge of the flag 16 may be secured. Said roller may be provided not only with terminal bearings, somewhat such as are suggested at 18 and 19 (the former being provided beneath the head 14 and the latter being optionally provided by means such as a plug element 20, threaded or otherwise removably secured within the lower portion of the cap 10) but also with rotating means such as one or more drums 21, 22, near the lower end of said roller; and it is shown as carrying also a comparatively small winding drum or surface at 23, near the upper end of said roller. The outer end of the arm 15 may be provided with a decorative fitting 24 or other means for the support of a pulley or guide 25 for a flexible element,—such as a cord 26; and one end of this cord may be secured to the flag 16, as at 27, the other end thereof being secured to the drum 23 or its equivalent. The

direction of wind of the cord may be opposite to that of the flag, but the drum 23 and the roller may differ somewhat in diameter, any slack in the flag preferably remaining within the post 13.

It will be seen that the described construction provides for the furling and unfurling of the flag 16, or its equivalent, by a rotation of the roller 17; and that such rotation may be effected through the drum or drums 21, 22. To impart movement to the last mentioned drums, the cap 10 being provided with an opening or openings, as at 28 and 29, one or more additional cords 30, 31, extending oppositely about and preferably secured to the drum or drums 21, 22 may be employed; and the cord or cords 30, 31, may be carried through any desired guide or guides 32, 33 and manipulated from a remote point,—as by suitable means within a car.

For the purpose last referred to, a dash or instrument board 34 is shown as provided with a concealed frame 35, to provide bearings for an additional pair of drums 36, 37 upon a shaft 38; and this shaft may be rotated by means such as bevelled gears 39, 40. The gear 40 is shown as mounted upon a shaft 41, extending through the board and provided with manipulating means in the form of a crank 43.

It will be understood that the mechanism last described constitutes but one type of means suitable for a remote manipulation of the flag 16 or its equivalent; and obvious that the attractiveness of said flag, and its visibility by night, may be enhanced by the provision of suitable means for its illumination. For example, a crown of feathers or other ceremonial head dress, if provided upon the Indian head 14, or any corresponding concavity, may be so formed as inwardly to receive both an incandescent bulb 44 and a reflector 45; and wiring for said bulb (preferably in series with the headlights of the car) may extend through a suitable opening or openings 46 in proximity to the hinge 11 and substantially opposite the catch 12.

The general function and mode of use of all parts of the present invention having been indicated in connection with the description thereof, it may be emphasized, in conclusion, not only that various features of said invention might be independently employed but also that numerous modifications, including the substitution of any desired alternative decorative element at the top of the post 13 and any desired fabric element as a "flag" 16, and also any desired manipulating means therefor, might be devised by skilled workers, if informed of the foregoing,—all without departure from the scope of the present invention, as the latter is indicated in the following claims:

1. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for furling and unfurling said flag.

2. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag from within the car.

3. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said post being hollow and provided with an arm comprised in said supporting means.

4. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for furling and unfurling said flag,—said post being provided with means for the support of a light favorably to the illumination of said flag when unfurled.

5. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said supporting means including a roller carrying said flag and having bearings near the ends of said post.

6. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said post being hollow and provided with an arm comprised in said supporting means and upholding an end of said flag during advance and retraction thereof.

7. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said supporting means including a roller provided with bearings in said post.

8. In a decorative device for use upon the radiator of a car: a cap element; means for supporting a flag therefrom; and means for manipulating said flag,—said manipulating means including a roller provided with a plurality of drums upon which portions of flexible elements are oppositely wound.

9. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said manipulating means including a roller provided with a plurality of drums upon which portions of flexible elements are oppositely wound, and one of said flexible elements being secured to said flag and provided with means for horizontally extending the same from said post.

10. In a decorative device for use upon the radiator of a car: a cap element; a post sur-

mounting the same; means for supporting a flag from said post; and means for manipulating said flag,—said cap being pivotally supported and provided with a releasable catch and also with an opening, for the entrance of wires for said light, at a point remote from said catch.

11. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for extending said flag,—said post being surmounted by an ornament which carries means to illuminate said flag.

12. In a decorative device for use upon the radiator of a car: a cap element; a post surmounting the same; means for supporting a flag from said post; and means for extending said flag,—said post being surmounted by an ornament which provides concealment for a rearwardly disposed reflector and said reflector being provided with a light so disposed as to illuminate said flag.

13. In a decorative device for use upon an automotive vehicle: a cap element carrying a hollow post; movable parts therein; and means for manipulating said parts from within a car.

14. In a decorative device for use upon an automotive vehicle: a cap element; a flag movably supported thereon; and means for furling and unfurling said flag.

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