Jan. 12, 1926. 1,569,096

H. P. LONG

ORNAMENT FOR AUTOMOBILE RADIATORS

Filed Jan. 7, 1924

Fig. 1.

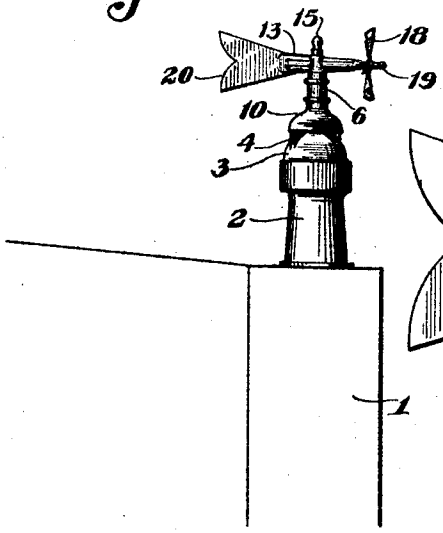


Fig. 2.

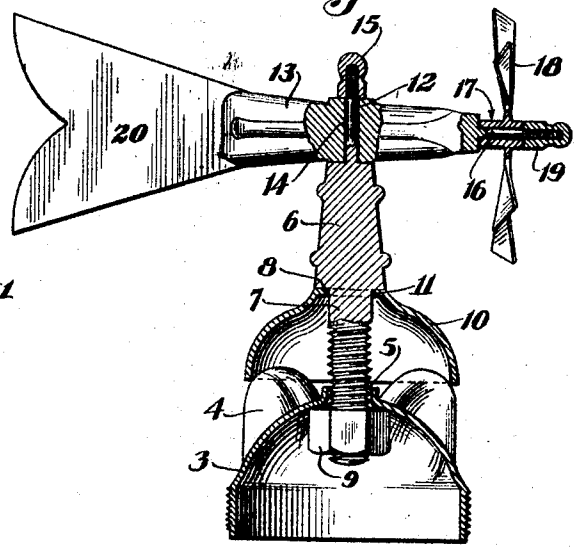


Fig. 4.

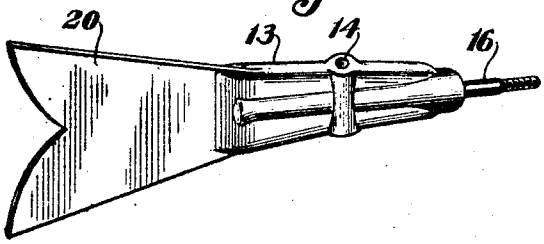


Fig. 3.

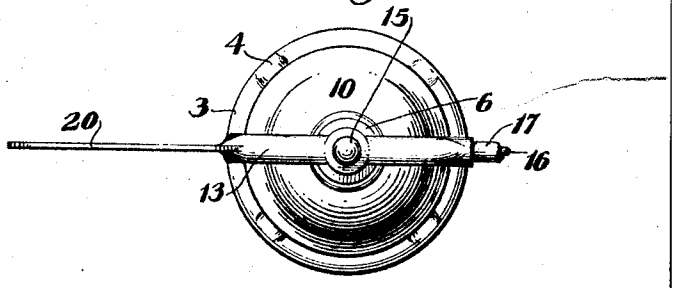
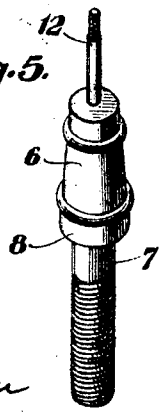


Fig. 5.



WITNESSES

Louis Goodman

Howard D. Orr.

Henry P. Long
INVENTOR

BY E. G. Siggers

ATTORNEY

Patented Jan. 12, 1926. 1,569,096

UNITED STATES PATENT OFFICE.

HENRY P. LONG, OF KING CITY, MISSOURI.

ORNAMENT FOR AUTOMOBILE RADIATORS.

Application filed January 7, 1924. Serial No. 634,831.

To all whom it may concern:

Be it known that I, HENRY P. LONG, a citizen of the United States, residing at King City, in the county of Gentry and State of Missouri, have invented new and useful Improvements in Ornaments for Automobile Radiators, of which the following is a specification.

This invention relates to ornaments for automobile radiators.

The object is to provide an ornamental device especially designed to be attached to the caps of automobile radiators and partake of certain movements through the action of the air resistance developed by the motion of the automobile, such movement of the parts serving to attract the attention of passers-by.

Another object is to provide a device of this character which may be cheaply manufactured, containing the minimum number of parts, and readily and quickly attached in place on the radiator cap and held in position thereon by the application of a single bolt and nut.

A full and complete understanding of the invention may be obtained from a consideration of the following detailed description, taken in connection with the accompanying drawing forming a part of this specification, it being understood that while the drawing shows a practical form of the invention, the latter is not to be confined to strict conformity with the showing thereof, but may be changed or modified, so long as such changes or modifications mark no material departure from the salient features of the invention, as specifically pointed out in the appended claim.

In the drawing, in which similar reference characters designate corresponding parts throughout the several figures:—

Figure 1 is a side elevation of a portion of an automobile radiator having the invention applied to the cap of the filling opening thereof;

Figure 2 is an enlarged vertical section through the device and showing the manner of mounting the same on the cap;

Figure 3 is a top plan view of the same;

Figure 4 is a detail perspective of the swinging arm forming a part of the device; and

Figure 5 is a detail perspective view of the supporting post upon which the swinging arm is pivoted.

Referring to the drawing there is illustrated a radiator 1 having an upstanding filling tube or sleeve 2 of a well known type, and having the usual cap 3 suitably threaded for screwing into the mouth of the sleeve. The cap is provided with a plurality of upstanding projections 4 formed by pressing the metal comprising the cap in an upward direction, and at the center and between said projections, the cap is provided with an aperture 5, the formation of said aperture being the only alteration necessary to be made in the cap.

A post 6 having one end reduced as at 7 to provide a shoulder 8, is adapted to have said reduced end introduced into the aperture 5, and the same is threaded for the reception of a nut 9. The latter is screwed in the aperture 5 after the dome-like base member 10 is placed over the reduced end of the bolt, by being passed through the central aperture 11 in said base, the central, upper portion of said base contacting with the aforesaid shoulder 8. By turning the nut 9 in the proper direction, the shoulder 8 forces the base member down upon the upstanding projections 4, and the parts are held in rigid upright position upon the radiator cap.

The enlarged portion of the post above the upper end of the base, is preferably tapered upwardly and provided with ornamental beads, and the upper end thereof is provided with a central, vertically disposed spindle 12 of relatively small diameter and preferably formed integrally therewith, though the same may consist of a rod set into or threaded into the end of the post.

An arm 13, preferably tapered from end to end and provided with longitudinal side ribs and a transversely disposed, central boss or enlargement having a bore 14 extending entirely through the same, is adapted to be mounted on the aforesaid spindle 12 and to freely rotate thereon, a nut 15 of ornamental shape being threaded on the upper threaded end of the spindle 12 to retain the arm in place, that portion of the spindle where traversing the aperture of the swinging arm 13 being slightly larger in diameter than the upper threaded end to provide a shoulder against which the ornamental nut bears so as to avoid binding on said arm and prevent its free rotation.

The swinging arm 13 is provided at its smaller end with a longitudinally disposed,

horizontal spindle 16 extending out therefrom, and upon the same is adapted to be mounted the hub 17 of a fan wheel 18, which may be formed in any desired manner, the blades partaking of any desired shape. A nut 19, of ornamental design, is threaded onto the reduced end of the horizontal spindle 16 in a manner to retain the same in position, and at the same time not to interfere with the rotation of the fan wheel.

At the other or larger end, the swinging arm 13 is provided with a relatively thin, outwardly diverging tail-piece or vane 20, which is of conventional form, the said vane being adapted, when the automobile is in transit, to be affected by the air currents at either side, and to hold the fan wheel squarely into the wind, and, by the resistance thereof, to cause the rapid revolutions of the same. Also while the automobile is standing still, any air currents or breezes will cause a rotation of the wheel and a like action on the vane.

From the foregoing it will be seen that a simple, cheaply manufactured and easily installed device for use on the caps of automobile radiators or in other places has been provided, that will attract the attention desired, and that the same, when properly nickle-plated or otherwise embellished, will add to the appearance of the car.

What is claimed is:—

An ornament for automobile radiator caps having a plurality of spaced projections on its top and a central opening therein, comprising a post having a reduced threaded end providing a shoulder, a hollow dome having a central aperture to receive the post, the central upper portion of the dome contacting with said shoulder and its bottom edge embracing and engaging said projections, said threaded portion traversing the opening in the cap and having a nut thereon engaging the underside of the cap, a vertical spindle extending from the top of the post, a horizontally swinging arm intermediately pivoted on the spindle, said arm having a vane at one end and a revoluble wheel at the other.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

HENRY P. LONG.