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W. SCHNELL ET AL

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RADIATOR CAP

Filed Feb. 1, 1929

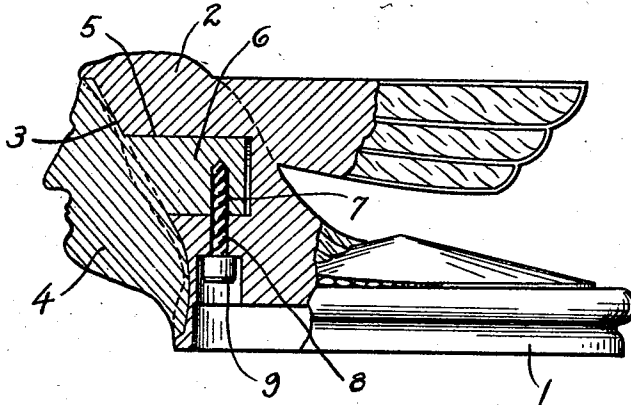


Fig. 1

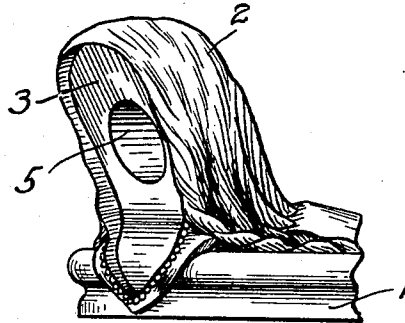


Fig. 2

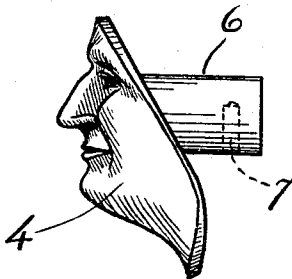


Fig. 3

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RADIATOR CAP

Application filed February 1, 1929. Serial No. 336,895.

This invention relates to a radiator cap. In the manufacture of radiator caps, it is often desirable to nickel or chrome plate only a definite part of the cap and to copper plate or otherwise treat the remaining part of the cap. It is also often desirable to have the junction of the several parts clearly defined so that the one part will stand out boldly and in clear relief from the other part. This is particularly true in the present instance where the radiator cap takes the form of an Indian head with a shaded copper-colored face and a chrome plated base. In order to properly bring out the light and shade and the color effect on the Indian face, the Indian face is put through a rather complex process which, briefly, is as follows: The dye-cast face is nickel plated, then cyanide-copper plated, then rinsed in water, then acid copper plated, and then put in a solution of liquid sulphur which reacts with the copper to produce a blue-black surface in place of the copper surface. The face is next put on a polishing wheel which, through the skill of the operator, wears the blue-black surface down to the copper surface in the desired places and thus gives the desired color effect. The face is then polished on a paraffin impregnated wheel.

Heretofore, it has been customary in the plating of the base portion of the radiator cap to cover the face portion with a mask in order to prevent it also from being plated, and to likewise mask the base while subjecting the face to the above outlined complex process. The mask, obviously, at its best is cumbersome and inefficient and always leaves an ill defined and ragged junction between the base and face portions which prevents the base portion from standing out boldly from the face portion. Hence, it is the object of this invention to overcome the above defects and obviate the use of a mask by presenting a radiator cap which consists

of two independent parts which may be treated independently and then assembled into a finished product with properly colored plated parts which have a clearly and well-defined junction.

Referring to the drawings:

Fig. 1 is an elevation of the radiator cap partly in section.

Fig. 2 is a perspective of the head portion of the radiator cap with the face portion removed.

Fig. 3 is an elevation of the face portion.

Referring more particularly to the drawings, it will be seen that the radiator cap consists of a base 1 which has a projecting portion 2 shaped like a head. This projecting head portion has the recess 3 which is adapted to receive the separate face portion 4. The head portion also has the dowel recess 5 which is adapted to receive the dowel 6 of the face portion 4. The dowel 6 has the opening 7 which coincides with the opening 8 in the head portion when the face 4 is seated in the recess 3. The face 4 is secured to the head portion 2 by any suitable means such as the drive screw 9 which is driven into the screw holes 7 and 8 of the face and head portions respectively.

It is evident from the above description that we have achieved a radiator cap, a portion of which may be treated in one manner and the remaining portion in a different manner, and in which the junction of the differently treated portions is clearly defined, by the simple expedient of making the radiator cap in two parts, and furthermore, by eliminating the mask, the plating and treating operations are made much easier and cheaper.

What we claim is:

1. An ornamental radiator cap comprising in combination of a head portion and a face portion, the said head portion being recessed to receive the said face portion with the locks of hair of the head portion over-

lapping the joint between the face and head portions to conceal the same.

2. An ornamental radiator cap comprising a head portion having plated locks of hair and a copper plated face portion, the said head portion having a recess arranged to receive the copper plated face portion so that the plated locks overlap the face portion to conceal the joint between the face and head portions.

In testimony whereof we have affixed our signatures.

WILLIAM SCHNELL.
FRANK M. EDGAR.

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