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RADIATOR CAP AND STEAM BAFFLE WRENCH

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Fig. 1.

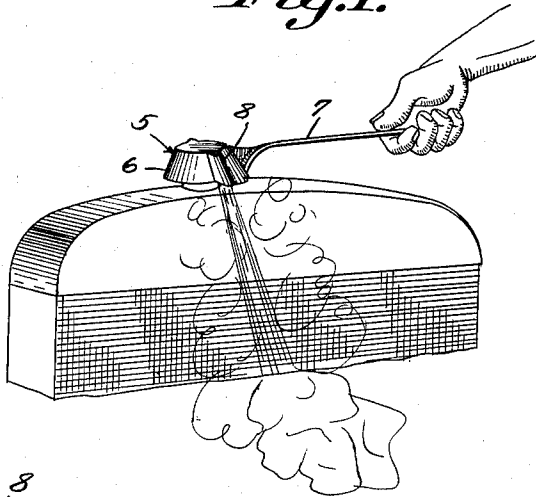


Fig. 2.

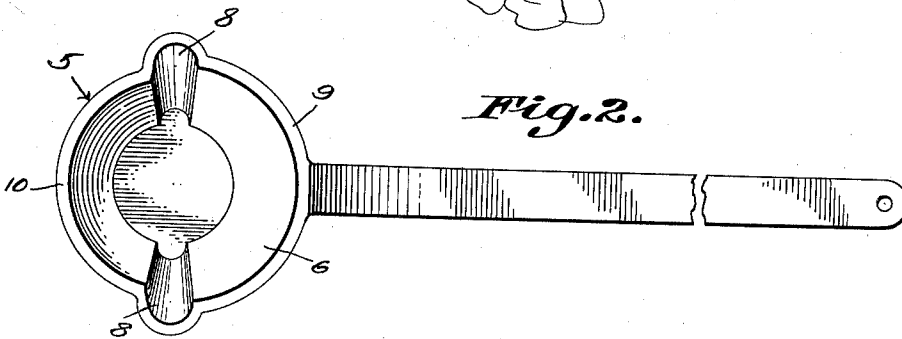


Fig. 3.

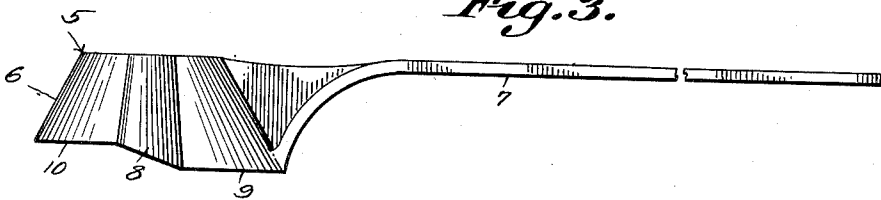
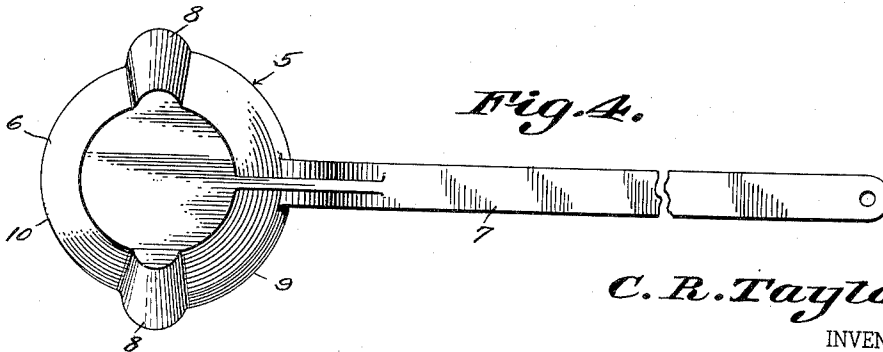


Fig. 4.



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RADIATOR CAP AND STEAM BAFFLE WRENCH

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3 Claims. (Cl. 81-90)

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This invention relates to a wrench designed for use in removing radiator caps from motor vehicle radiators and is so designed that it provides a baffle for directing steam from overheated radiators laterally of the handle away from the hand of the person using the wrench to loosen or remove the radiator cap.

An important object of the invention is to provide a device of this character which is so constructed that it will fit radiator caps of various sizes, the head of the wrench having offset passageways through which the steam may escape upon loosening the radiator cap.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claims, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is a perspective view illustrating a wrench constructed in accordance with the invention as positioned over a radiator cap to loosen the same.

Fig. 2 is a bottom view of the wrench.

Fig. 3 is a side elevational view of the wrench.

Fig. 4 is a plan view of the wrench.

Referring to the drawing in detail, the wrench comprises the head 5 which is in the form of a socket having a tapered wall 6 and the handle 7 extending a substantial distance therefrom, to be gripped by the operator.

As clearly shown by Fig. 3 of the drawing, the head or socket 5 is formed with grooves 8 formed in the inner surface thereof, the grooves providing passageways through which steam may exhaust. These grooves or passageways 8 are disposed at right angles with respect to the handle 7, so that the steam escaping through these grooves or passageways will be directed downwardly away from the hand of the operator to prevent injury by burning, due to contact of the steam with the hand of the operator.

The head or socket is wide at the portion thereof adjacent to the point where the handle 7 merges into the head or socket, thereby providing an additional protecting surface or guard against the steam passing from the head or socket to contact the hand of the operator.

While these grooves 8 provide passageways for the exhausting steam, they also provide offsets into which the usual laterally extended lugs of

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a radiator cap may extend so that as the wrench is rotated, the cap will be also rotated to remove or position the same.

By viewing Fig. 2 of the drawing, it will also be seen that the head or socket 5 includes an inner section 9 which is larger than the outer section 10, so that on positioning the radiator cap wrench over a radiator cap, the lugs of the radiator cap, not shown, will readily move over the surface of the inner and outer sections of the head or socket and find their way into the grooves 8.

Because of the tapered construction of the head or socket 5, it will be obvious that the head or socket is adapted for positioning over various sized radiator caps with a close fit.

In operation, the wrench is placed over a radiator cap to be removed, and the wrench is turned so that the usual lugs of the radiator cap will fall within the grooves or offset portions 8, whereupon the wrench is secured to the radiator cap against rotation with respect to the radiator cap. As the radiator cap is moved to remove the same, the steam will exhaust through the grooves 8 which direct the steam downwardly away from the hand of the operator of the wrench.

After the steam from an overheated radiator has been exhausted, the radiator cap may then be readily removed without danger of burning the hand of the operator.

Having thus described the invention, what is claimed is:

1. A radiator cap wrench including a socket head of tapered construction, embodying an inner curved section and an outer curved section of a size less than the inner section, said sections being connected by outwardly bulged sections providing internal passageways in which lugs of a radiator cap are held securing the wrench to the radiator cap against rotary movement with respect to the radiator cap, and a handle extending from the head of the wrench.

2. A radiator cap wrench including a socket head of tapered construction, said head having grooves extending throughout width of the wall of the head and formed in the inner surface thereof providing steam exhaust passageways, said grooves adapted to also receive enlargements of a radiator cap holding the wrench to the radiator cap, and a handle connected with the head by means of which the wrench is rotated.

3. A radiator cap wrench including a tapered socket head, a handle formed integral with the

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head extending from the side thereof, the rear portion of the head adjacent to the handle extending downwardly below the lower edge of the front portion of the head providing a guard against steam passing to the handle, and said head having internal grooves extending transversely throughout the width of the head providing steam passageways for exhausting steam from the wrench.

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