Jan. 5, 1926. 1,568,590

P. H. ESCH

MOTOR SHIELD

Filed Oct. 31, 1924

Fig. 1.

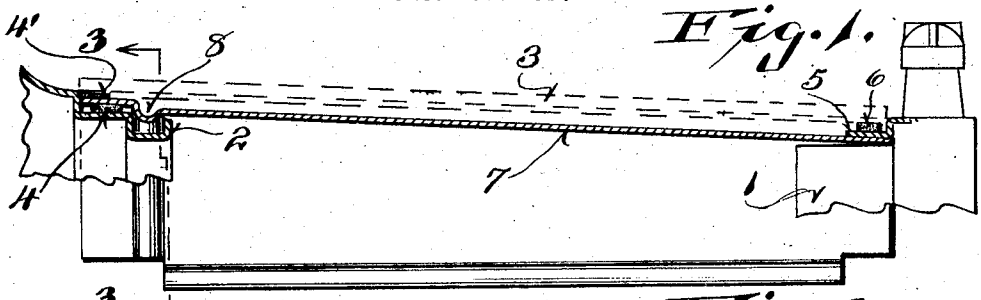


Fig. 2.

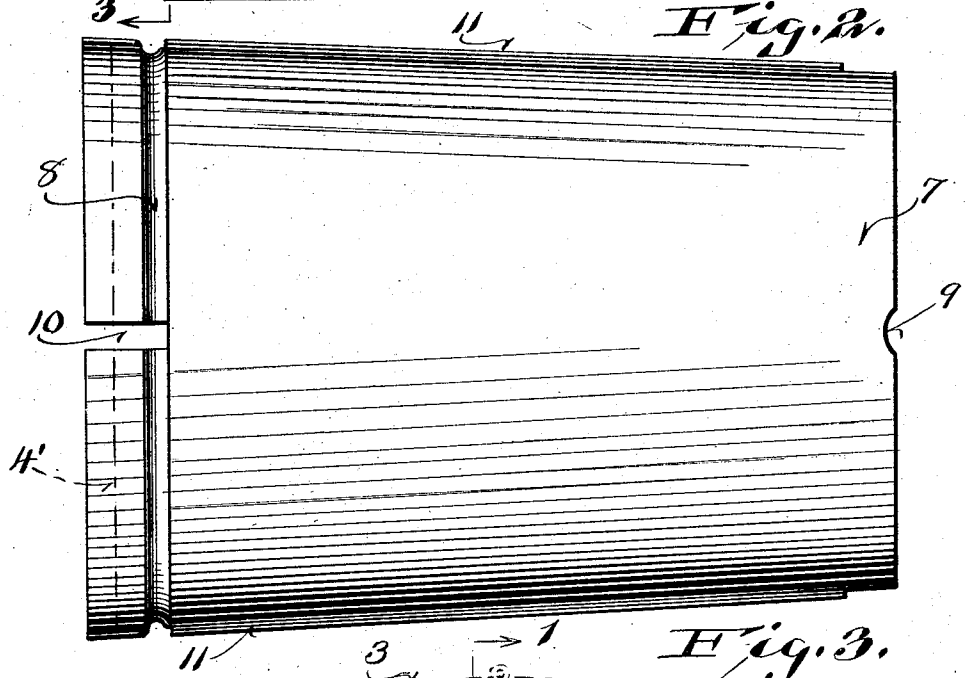
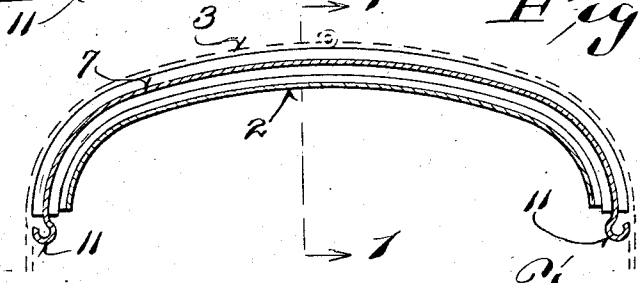


Fig. 3.



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UNITED STATES PATENT OFFICE.

PAUL HENRY ESCH, OF MANITOWOC, WISCONSIN.

MOTOR SHIELD.

Application filed October 31, 1924. Serial No. 747,053.

To all whom it may concern:

Be it known that I, PAUL HENRY ESCH, a citizen of the United States, and resident of Manitowoc, in the county of Manitowoc and State of Wisconsin, have invented certain new and useful Improvements in Motor Shields; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to motor shields, and is particularly directed to shields adapted to fit beneath the hood of an automobile, and although it is shown as adapted particularly for automobiles of the type commonly known as Fords, nevertheless it may be equally applicable to other types of cars.

It is well known that the hoods of some makes of automobiles do not fully protect the spark plugs, wiring and other devices from the rain but that fouling and short circuiting frequently occur after a rain with consequent crippling of the car.

This invention is designed to overcome the above noted defects, and objects of such invention are to provide a shield which is adapted to fit beneath the hood of an automobile and to stop and carry off all water which may find its way through the joints in the hood so that water cannot fall upon the spark plugs, wiring or similar devices.

Further objects are to provide a shield which will cooperate with standard types of vehicles, which may be easily positioned, which will readily deflect any water which may find entrance through the hood, and which will conduct the water outwardly and discharge it at a point where it will not do any damage.

An embodiment of the invention is shown in the accompanying drawings in which:—

Figure 1 is a vertical sectional view through the device showing it in position, such view corresponding to a section on the line 1—1 of Figure 3.

Figure 2 is a plan view of the device detached from the automobile.

Figure 3 is a sectional view on the line 3—3 of Figure 1.

Referring to the drawings, it will be seen that the water tank 1 and rear trough or guard 2 have been shown in the conventional relation in an automobile, and the hood has been indicated in dotted lines 3, as shown in Figures 1 and 3. The rear trough 2 is normally provided with a packing 4 and a rearwardly turned strip 5 extending inwardly from the radiator (see Figure 1) is also normally provided with a packing 6. These packing strips normally contact with the hood to prevent rattling.

In practising this invention a curved imperforate sheet of metal 7 is employed and has its forward end slipped between the flange 5 and water tank 1 and its rear end positioned upon the packing 4.

It is to be noted that the shield 7 is provided with a depressed portion 8 which fits within the gutter or trough 2 at the rear portion and also aids in positioning the device. The forward edge of the shield is notched, as indicated at 9, to accommodate a portion of the radiator and water tank structure and an elongated notch 10 is formed through the rear portion to accommodate the hinge of the hood at its rear end.

It is to be noted that the shield 7 conforms to the hood and is slightly smaller than the hood. It terminates in side gutters or troughs 11 which are adapted to receive the water shed by the shield and conduct it to a point where it may be freely discharged, as shown in Figure 1, without damage to the automobile wiring, spark plugs or other devices of this nature.

Preferably a second packing strip 4′ is carried by the upper rear end of the shield 7, as shown in Figure 1, and this packing strip contacts with the hood 3 to prevent rattling of the hood.

It will be seen that this shield may be readily slipped into position when the hood is raised and that the hood may be easily closed down over the shield.

It will be noted from Figure 3 that the hood 3 contacts with the outer edges of the gutter 11 and aids in securely holding the device in position in addition to its upper attachment previously described.

It will be seen that a shield for a motor of an automobile has been provided which may be very simply formed from sheet metal, which is easy to apply, and which will completely protect the electrical portions of the apparatus and other easily damaged portions from water which may leak through the hood.

Although the invention has been described in considerable detail, it is to be understood that the invention may be variously embodied and is, therefore, to be limited only as claimed.

I claim:

The combination of an automobile provided with a cowl, a water trough in front of said cowl, a radiator provided with a rearwardly extending portion, and a hinged hood; and a removable shield curved to fit beneath the hood and beneath the rearwardly extending portion of the radiator and having depending sides terminating in outwardly projecting gutters contacting with the sides of said hood to securely hold the shield in place while allowing the gutters to function as gutters, said shield having a notched rear portion cooperating with the hinges of said hood to hold the shield against lateral motion, said shield having a depressed channel adjacent its rear end adapted to fit into said trough.

In testimony that I claim the foregoing I have hereunto set my hand at Manitowoc, in the county of Manitowoc and State of Wisconsin.

PAUL HENRY ESCH.