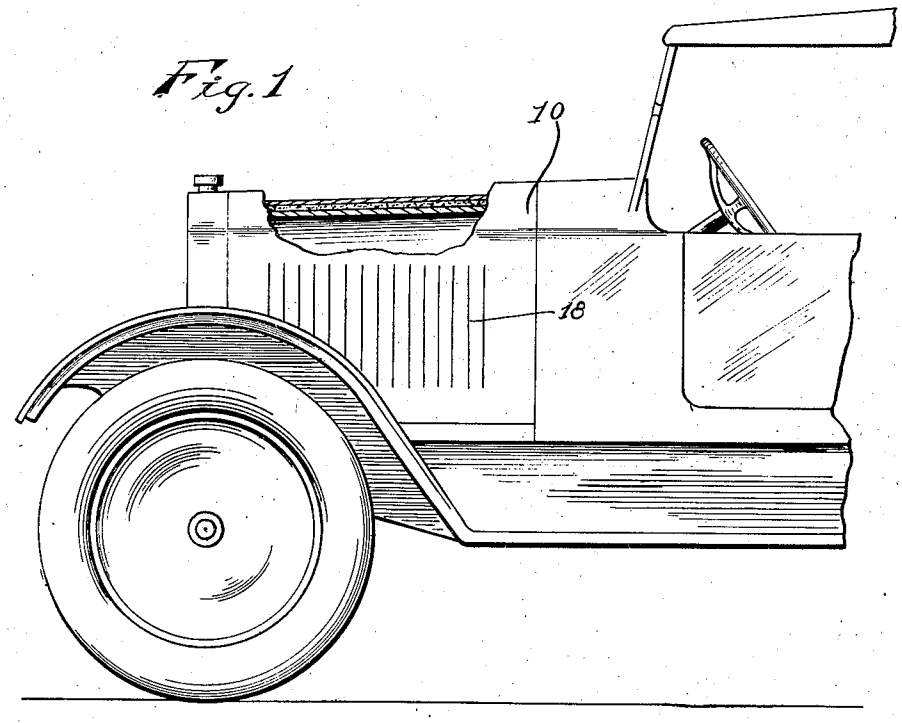
July 28, 1925. 1,547,532

T. L. TAYLOR

AUTOMOBILE HOOD LINER

Filed May 14, 1923 2 Sheets-Sheet 1

Fig. 1



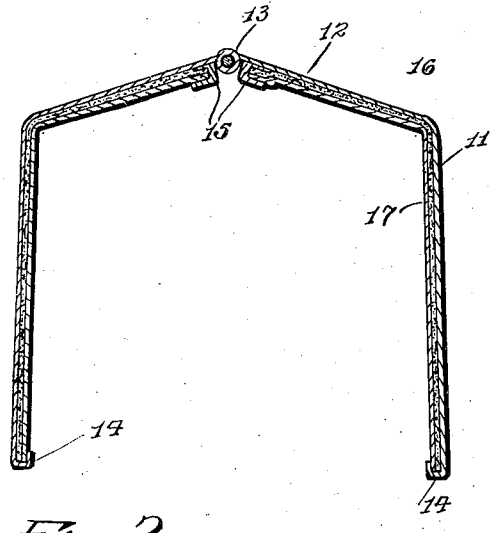
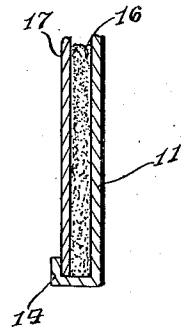


Fig. 2

Fig 3



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July 28, 1925. 1,547,532

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Fig. 4

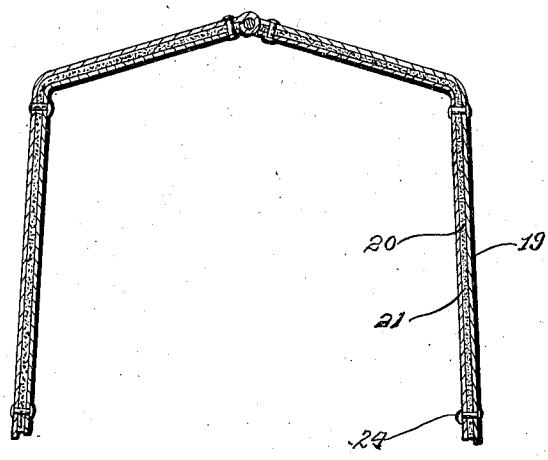
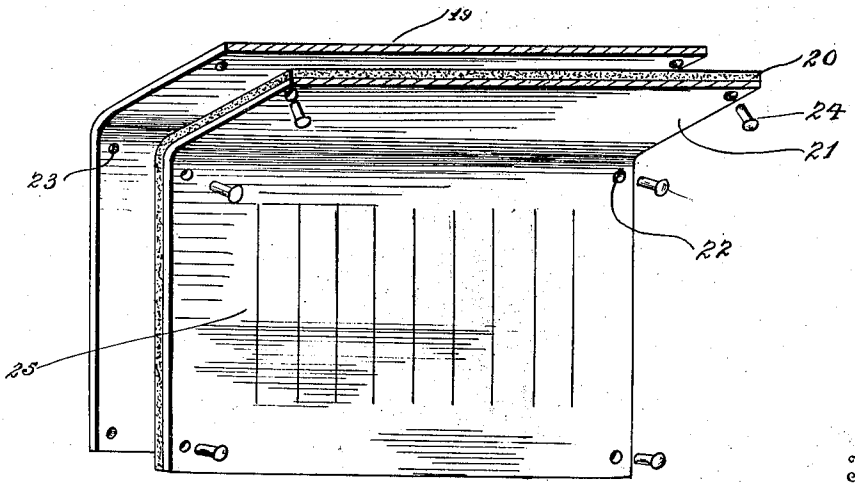


Fig. 5



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UNITED STATES PATENT OFFICE.

THOMAS L. TAYLOR, OF MEDFORD, OREGON.

AUTOMOBILE HOOD LINER.

Application filed May 14, 1923. Serial No. 638,916.

To all whom it may concern:

Be it known that I, THOMAS L. TAYLOR, a citizen of the United States, residing at Medford, in the county of Jackson and State of Oregon, have invented certain new and useful Improvements in Automobile Hood Liners, of which the following is a specification.

My invention relates to a liner for hoods covering the engine of an automobile. The main object of the invention is to furnish the hood with such a liner in order to keep it cool and in this manner preserve the enamel on the hood, which is otherwise liable to be burned and damaged in a short while. On account of the excessive heat radiating from the engine, it is impossible to prevent this burning of the enamel, and the enamel on the hoods of automobiles in general is the first to be destroyed so that automobiles, which otherwise have a good appearance and a glossy surface, often have a dull and rugged appearing hood over their engines.

By inserting a liner of heat insulating material under the hood, this disadvantage is avoided and the good appearance of the hood will then last as long as that of the rest of the automobile. Such a liner can be provided when the car is built or else attached to any existing car in accordance with the subject matter of the present invention.

Another object of the invention is to furnish a silencer to deaden the sound from the motor, which is done very effectively by the use of the liner.

In the accompanying drawings, one embodiment of the invention is illustrated; and—

Figure 1 shows a fragmentary side elevation of an automobile with the hood partly in section;

Figure 2 is a transverse section of the hood with the liner in position;

Figure 3 is a similar view to Figure 2 in larger scale indicating the manner of mounting the liner;

Figure 4 is a transverse section similar to Figure 2 with the liner attached to the hood of an existing automobile; and

Figure 5 is a perspective view indicating the manner of securing the liner.

In the drawings, reference numeral 10 represents an ordinary hood covering the engine of an automobile. The hood consists of two perpendicular sides 11 and a roof 12 hinged along the apex of the hood as at 13 in the usual manner. In Figures 2 and 3, the device is shown as applied to a new automobile, when the bottom edges 14 of the hood may be flanged and turned inwardly to receive the liner. Near the hinge 13 and along the same is attached a metal channel 15, and between this channel 15 and the flanged bottom edge 14, the liner is inserted. If necessary, the inner end of the hood may also be flanged in a similar manner to receive the inner edge of the liner.

The liner consists of an asbestos sheet 16 attached to a supporting plate 17 in any suitable manner, such as cementing or riveting. The asbestos sheet 16 and the supporting plate 17 are cut to conform to the shape and size of the hood, and one of these liners is inserted on each side of the hinge 13 by sliding the same between the flanged edge 14 and the channel 15. This is sufficient to hold the liner in place, particularly if the bottom edge 14 and the under side of the channel 15 are upset slightly or punch-marked after the liner has been pushed in position. With hoods having ventilating slits as indicated at 18 in Figure 1, corresponding slits may be provided in the liner.

In Figures 4 and 5 is shown a liner adapted to be secured to the hood of an existing automobile which is not provided with the channels and flanged edges from the beginning. For this purpose the liner is, as before, constructed of a sheet of asbestos 20 secured to the supporting plate 21, which may be cut to suit different types of automobiles. The liners, in this case, are preferably provided with a series of apertures 22 along the edges, and the hood to which the liner is going to be attached is similarly furnished with apertures 23, and rivets or bolts 24 are used in these apertures for securing the liner to the hood. It is evident that the attachment of the liner can be accomplished in a very short time as the apertures 23 in the hood may be marked off from the liner and punched or riveted as most convenient, whereupon rivets or bolts are used for attaching the liner to the hood.

In this case, also, if the automobile hood is provided with ventilating slits, corresponding slits 25 may be provided in the liner.

Instead of using flanging, riveting or bolting, it is evident that the liner may be se-

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cured in any other suitable manner to the hood, as for instance by soldering.

Having thus described the invention, what is claimed as new is:

The combination with an automobile engine hood having an inwardly projecting grooved flange along its lower edge, and a channel secured along the top of the hood, of a substantially rigid liner therefor comprising a rigid supporting plate conforming to the hood and an asbestos sheet of the same size and configuration as the plate permanently secured thereto to form a unit therewith, the longitudinal edges of said plate and said sheet being snugly received in said flange and said channel respectively.

In testimony whereof I affix my signature.

THOMAS L. TAYLOR. [L. S.]

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