Feb. 15, 1927. 1,617,661

D. H. ABELL

AUTOMOBILE HOOD

Filed May 12, 1926

Fig. 1.

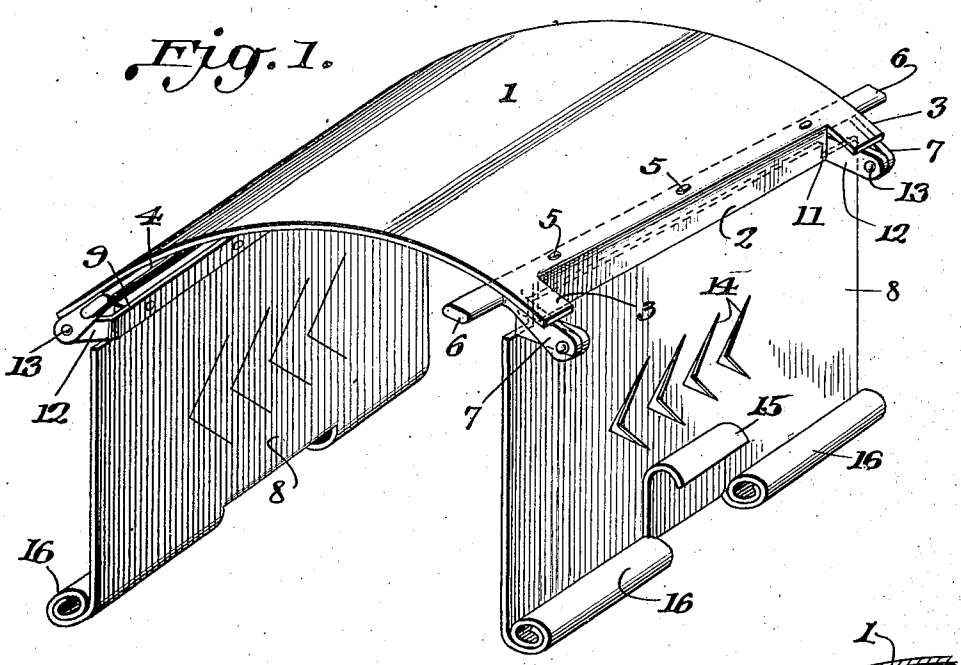


Fig. 2.

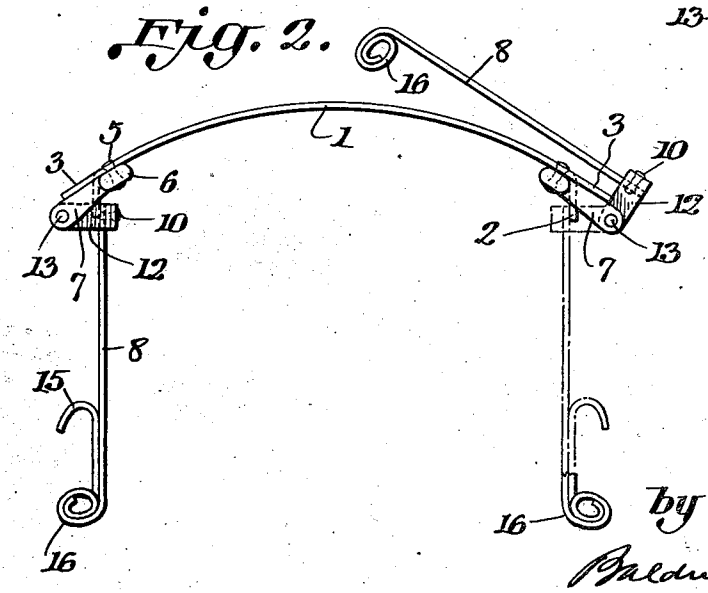
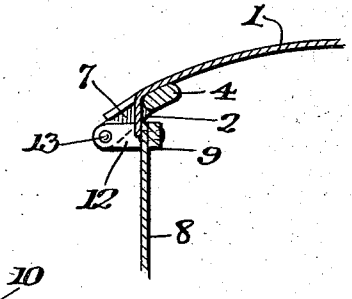


Fig. 3.



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UNITED STATES PATENT OFFICE.

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AUTOMOBILE HOOD.

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This invention relates to a hood for automobiles which can be composed of a relatively small number of parts and manufactured at a low cost and will, nevertheless, be pleasing in appearance and thoroughly efficient in performing the desired functions. Detailed objects of the invention will be apparent from the following description and will be set forth in the appended claims.

In the drawings:

Figure 1 is a perspective view of the complete hood removed from the machine.

Figure 2 is an end view of the same.

Figure 3 is a detailed vertical section with a portion of the top and side adjacent the hinge.

The top portion 1 of the hood is composed of a single piece of sheet metal of the desired size and curvature. At each side near the ends are cut slits and the side portion therebetween is bent downward at an angle to the body of the top to form a flange 2. This leaves two lugs 3 projecting outwardly for a purpose hereinafter mentioned. Near each side of the top member and just within the flange 2 a bar 4 is fastened to the top member as by rivets 5 or other desired fastenings. The ends 6 of this bar extend in each direction beyond the hood and provide means for supporting the same in place upon the machine where it may be held by any desired form of fastening. Near each end of the bars 4 is an arm 7 integral or rigid therewith which projects outwardly beneath the adjacent lug 3.

Each side member 8 is composed of a single piece of sheet metal near the top edge of which a bar 9 is attached by rivets 10 or similar fastenings. The upper corners of each side 8 are notched as shown at 11 and ears 12 on the bars 9 are bent at right angles thereto and fit within these notches. These ears lie just inside of the arm 7 carried by the top member. The arm 7 and ears 12 are hinged together by bolts 13 or similar pivoted fastenings. The side members 8 may be provided with any usual or desired ventilator openings 14.

The lower edge of each side member 8 is slit at two places and a relatively narrow strip between the slits is bent into substantial parallelism with the side member and has an outwardly curved portion 15 which affords a handle for the side of the hood when it is desired to lift the same. The lower edge of the side member on each side of this central handle member 15 is rolled or beaded as shown at 16 to provide a pleasing appearance and a smooth surface. These portions may also coact with any desired form of fastening device for holding the side members in closed position.

An inspection of Figure 2 will show that when the side is lifted to its upper position, the ears 12 will contact with the edge of the lugs 3 and prevent the side member from dropping down upon the top member 1 and thus avoid any danger of either member becoming scarred or scratched. When the side is in its operative position the upper edge thereof fits up inside of the flange 2 of the top member so that rain, snow or other extraneous matter cannot obtain ready access between the side and the top. The lugs 3 project out over the greater portion of the arms 7 and ears 12, thus covering and protecting the same as well as adding to the appearance of the structure.

It is apparent that the device may be constructed at a relatively low cost since the sides and top may each be stamped out of sheet metal and the bars 4 and 9 with their lugs 7 and ears 12 are simple in construction. The entire hood is formed of three pieces instead of four as is often the case, so that the top is a single unbroken surface. It is obvious that various details of the construction may be modified without in any way departing from the spirit of the invention which is to be regarded as limited only by the scope of the appended claims.

I claim:

1. An automobile hood comprising a top portion having projecting lugs at its corners and side flanges therebetween at each side, a bar attached to the top portion at each side and having outwardly extending arms underlying said lugs, side members each having a bar attached thereto at the top, said bar having ears extending outwardly adjacent said arms, and a pivotal connection between each ear and the adjacent arm.

2. An automobile hood comprising a top portion having downwardly extending flanges at its sides, side members, and cooperating extensions carried by the top and each side and hinged outside the side members at points which permit the upper edge of each side member to fit within the adjacent flange when the side is in closed position.

3. An automobile hood comprising a top

portion having projecting lugs at its corners, a bar carried by the top at each side and having outwardly projecting arms underlying the lugs, side members each provided with ears pivotally connected to said arms, the pivotal points being outside the ends of the lugs so that when the side is swung upwardly, the ears will engage the lugs and prevent the side from contacting with the top member.

4. An automobile hood comprising a top and two side portions, each stamped from a single piece of sheet metal, hinge connections between each side portion and the top, the lower edge of each side having a central portion bent to form a handle and the parts on each side of this central portion being rolled.

In testimony whereof, I have hereunto subscribed my name.

DYTES H. ABELL.