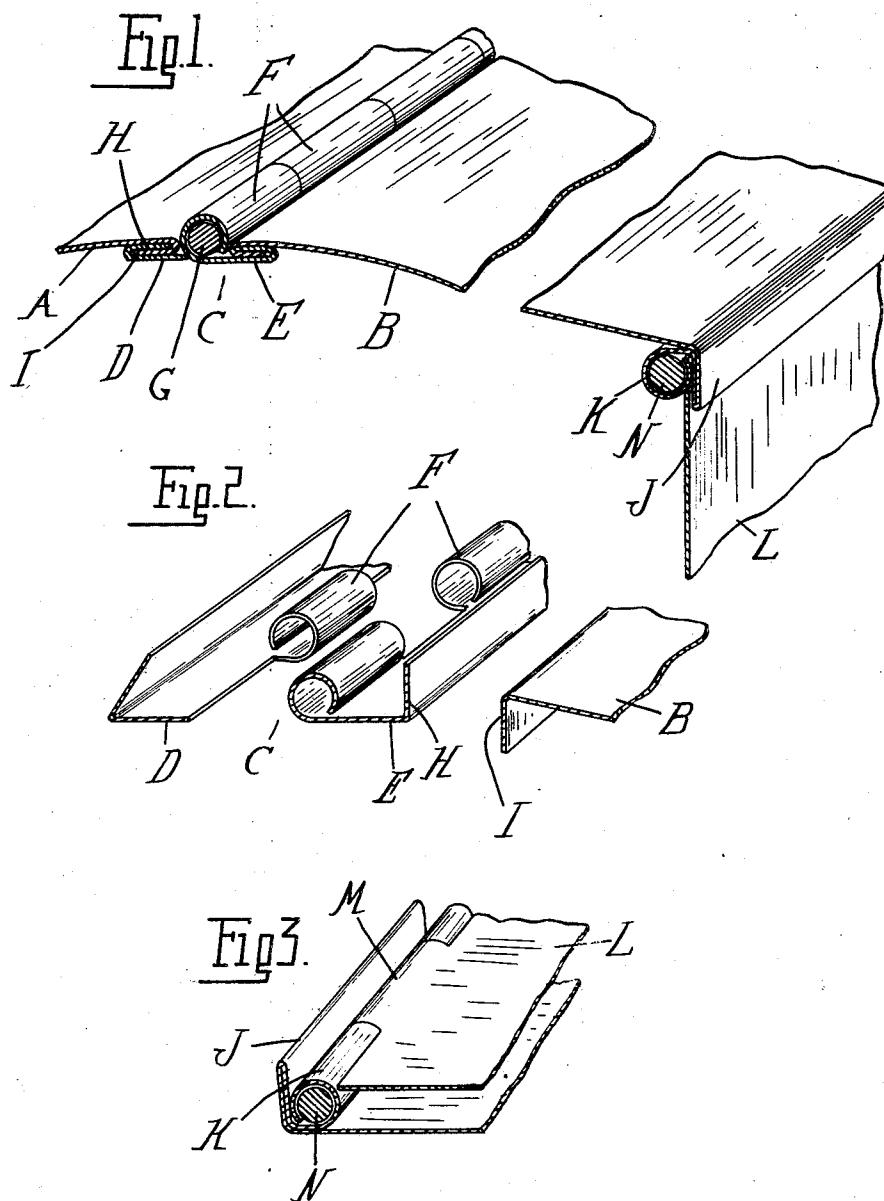


C. S. WOOD.
HOOD FOR AUTOMOBILES.
APPLICATION FILED JUNE 4, 1909.

1,037,394.

Patented Sept. 3, 1912.



Witnesses
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UNITED STATES PATENT OFFICE.

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HOOD FOR AUTOMOBILES.

1,037,394.

Specification of Letters Patent.

Patented Sept. 3, 1912.

Application filed June 4, 1909. Serial No. 500,185.

To all whom it may concern:

Be it known that I, CLARENCE S. WOOD, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Hoods for Automobiles, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to sheet metal hoods, and more particularly to the sectional hoods employed on automobiles for inclosing the engine and other parts of the mechanism.

It is the object of the invention to simplify the construction, and to this end the invention consists in certain features of construction as hereinafter set forth.

In the drawings—Figure 1 is a perspective view of a portion of the hood to which my improvements are applied; Fig. 2 is a perspective view of the upper hinge member detached from the hood; and Fig. 3 is a perspective view of a portion of the hood in folded position.

Heretofore automobile hoods have been constructed of hinge sections, which are united by what is commonly known as a "piano hinge;" that is, a hinge having interengaging members which extend the entire length of the hood sections, and are coupled by a continuous rod. The members of the hinge have been formed separate from the sheet metal of the hood, being attached thereto by riveting. Thus it has been necessary to provide a row of rivets along each side of the hinge bead.

It is one of the features of my invention to avoid the necessity of riveting the hinge members to the hood sections, and this is accomplished in two different ways. In one construction preferably employed for attaching the hinge at the center of the top of the hood, the hinge members are secured to the hood members by seaming. In another construction the hinge members are formed as an integral part of the hood members, but the material is bent to form a two-ply flange, which constitutes a weather guard. This latter construction is preferably applied for connecting the side sections of the hood and the guard is arranged to depend adjacent to the side covering the hinge joint.

In detail, A and B are the complementary sections of the top of the hood.

C is the hinge member for uniting these sections, which may, if desired, be formed of a different metal—as for instance, brass, where the hood sections are formed of steel. The member C is of the "piano hinge" type, and consists of a pair of sheet metal members D and E, which have interengaging eye portions F united to each other by the continuous rod G. The attachment between the hinge and the sections A and B is formed by bent hooked flanges H and I respectively upon the hinge members and said sections. The hooked flanges are engaged with each other and the seam pressed down, as illustrated in Fig. 1. When completed, the bead portion of the hinge forms a shoulder or stop which effectually prevents the disengagement of the hooked members from each other, and as the hooks are arranged on the under side of the sheets, there will be an unbroken surface on the upper side extending to the bead of the hinge.

The hinge at the side of the hood is preferably constructed by forming a return bend J on the lower edge of the section A or B, and then forming the eyes K of the hinge at the end of the return bend portion. The side member L of the hood is preferably formed with complementary eyes M for interengaging said eyes K, to which they are secured by the rod N. In the normal position of parts, the return bend J will project downward parallel to the sheet L and will completely seal and protect the joint between the eyes K and M, but at the same time the members are free to be folded, as illustrated in Fig. 3.

What I claim as my invention is:

In a hood, a top and sides hinged thereto, said top comprising adjacent sections having their meeting edges terminating in reverse bent hooks and a piano-hinge section having rebent portions engaging said hooks.

In testimony whereof I affix my signature in the presence of two witnesses.

CLARENCE S. WOOD.

Witnesses:

GRACE M. NEWELL,
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