(No Model.)

L. C. SIMS.

ROOF GUTTER.

No. 490,815. Patented Jan. 31, 1893.

Fig. 1.

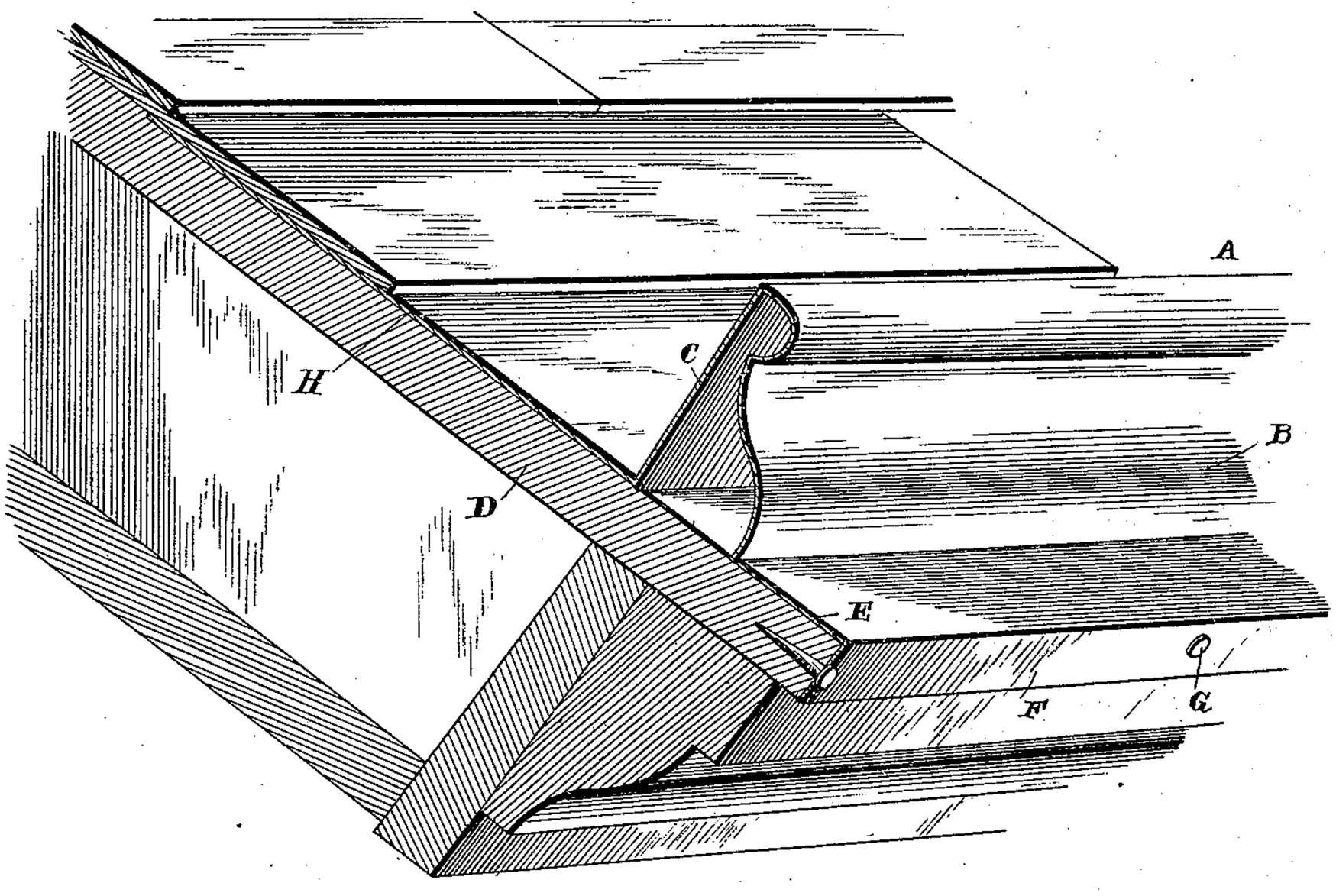
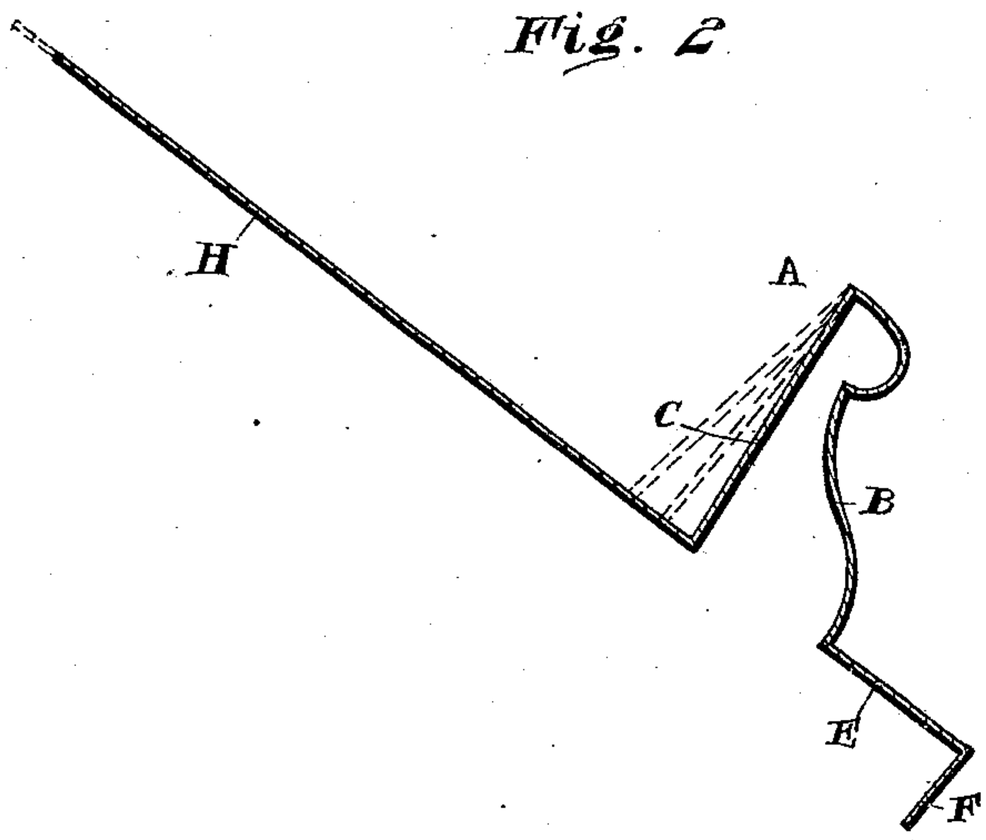


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

LEWIS C. SIMS, OF NEWARK, OHIO.

ROOF-GUTTER.

SPECIFICATION forming part of Letters Patent No. 490,815, dated January 31, 1893.

Application filed June 25, 1892. Serial No. 438,029. (No model.)

To all whom it may concern:

Be it known that I, LEWIS C. SIMS, a citizen of the United States, residing at Newark, in the county of Licking and State of Ohio, have invented a new and useful Roof-Gutter, of which the following is a specification.

My invention relates to improvements in roof gutters, and the object of my improvement is to provide a simple, cheap, durable, and easily attachable gutter, which may be applied to any pitched roof, regardless of the angle of the slant, and which may be adjusted to produce the required fall from one end to the other, necessary to cause the water to flow toward the spout, without altering its appearance from the front or arranging it at an angle to the cornice.

Further objects of my invention will appear hereinafter throughout the description, in detail, of my invention, and the novelty involved therein will be particularly pointed out in the appended claim.

In the drawings:—Figure 1 is a perspective view of a roof gutter embodying my improvements. Fig. 2 is a sectional view of the same, showing in dotted lines various positions of the rear side or back of the gutter.

My improved roof gutter consists, essentially of a hollow moulding, A, formed of sheet-metal, and having a convoluted or ornamented front side or face, B, and a flat rear side or back, C, adapted to be arranged approximately perpendicular to the surface of the roof, as shown at D, to which it is attached. To the lower edge of the front side or face of the hollow molding is connected the flange, E, which is adapted to lie flat upon the surface of the roof and regulate the distance which the molding is set back from the edge of the roof, or the cornice, the extremity of said flange being turned down to form a facing lip, F, which covers the edge of the roof and is secured thereto by tacks or nails, G G. To the lower edge of the rear side or back of the molding is connected the flange, H, which is adapted to lie upon the surface of the roof, above the molding, and be secured thereto by nails, G G, or in any other suitable or preferred manner.

The entire gutter, including the flanges and facing lip, is struck from a single sheet of metal.

The front side or face of the molding is placed at a uniform distance from the edge of the roof or the cornice throughout, and the fall which is required to carry off the water is secured by the deflection of the rear side or back of the molding, as indicated in dotted lines in Fig. 2.

The rear side or back of the molding may be drawn up or pushed down the roof, as indicated, and secured in the desired position by means of the flange secured to said rear side or back. Obviously, the greater the deflection of the back of the molding from the perpendicular position shown in full lines in said figure, the shallower will be the gutter and the higher will be the plane of the bottom of that part having the deflection.

It will be noted that the appearance of the gutter from the front will not be altered in any way by the deflection of the back thereof.

The upper flange, H, may be of any desired width in order to make the necessary flashing to break the joints of the slates, sheathing, shingles, or other roofing material, and prevent the backing of the water thereinto.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States, is:—

As an article of manufacture a roof gutter struck from a single sheet of metal and comprising a hollow molding A having a convoluted front side B and a plain rear side or back C, adapted to be sprung toward or from each other for the purpose described, a flange E connected to the lower edge of the front side and provided at its extremity with a facing lip F, and a flange H connected to the lower edge of the rear side and adapted to be secured to the roof to adjust the separation of the front and rear sides of the molding, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

LEWIS C. SIMS.

Witnesses:
WILLIAM A. CHANNELL,
CHAS. H. FOLLETT.