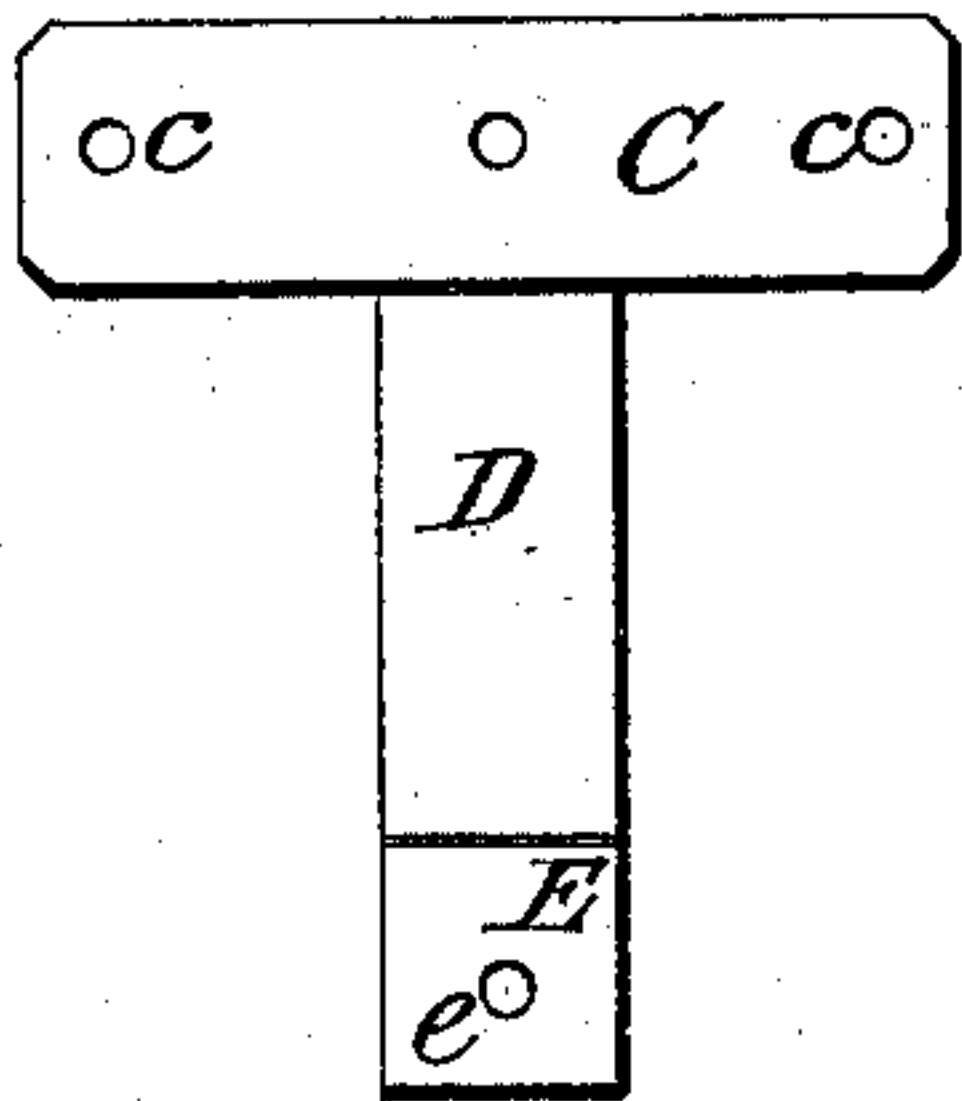
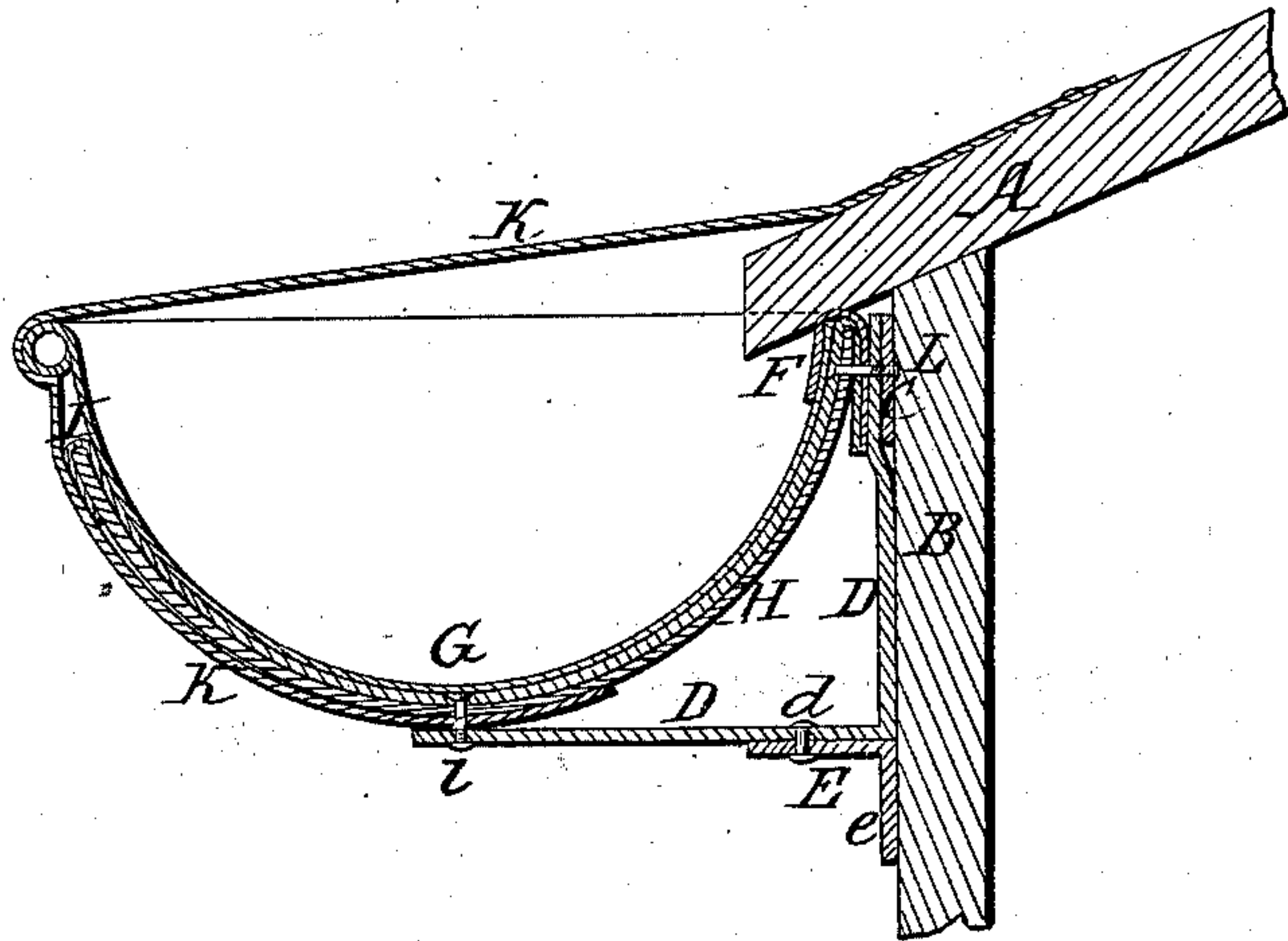


J. Marshall,

Eaves Trough,

N^o 68,765.

Patented Sep. 10, 1867.



Witnesses.

Theo Tusché

Wm Frewin.

Inventor.

J. Marshall.

Per Munn & Co

Attys.

United States Patent Office.

JOHN MARSHALL, OF HARTLAND, MICHIGAN.

Letters Patent No. 68,765, dated September 10, 1867.

IMPROVED EAVES-TROUGH BRACKET.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN MARSHALL, of Hartland, in the county of Livingston, and State of Michigan, have invented a new and useful improvement in Eaves-Trough Holders; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an improvement in eaves-trough holders, and consists in an arrangement of metal straps and ties by which the trough is hindered from rising out of its seat, and kept securely in place. In the accompanying drawings—

Figure 1 is a transverse section of eaves-trough attached to roof, and with my holder in place; and

Figure 2 is a back view of brackets and brace.

Similar letters of reference indicate like parts.

A is the roof-board; B, the frieze-board; C, a brace of hoop or other iron, which may be made in one piece with the bracket D, or of a separate piece, secured to the frieze-board by nails, pegs, or screws at *c c*. E is another bracket, adapted to any angle of the board, also secured to the board at *e*, and to the bracket D at *d*. F is a lip or strap of metal, turned over the trough G to prevent it from rising out of place. The strap H, of hoop iron or other suitable material, is shaped to the trough; and, when made of iron, is covered with the tin strap I to protect it from corrosion. K is a brace or strap of tin or other suitable material, passing up the trough from its lowest point, over its outer edge, to the roof-board, where it is secured with nails, or in any appropriate manner. A bolt, L, passes through I H, the inner fold of F, through D and C, bolting them securely together. Another bolt, *l*, passes through the horizontal portion of bracket D, securing it and straps K, H, and I firmly together.

The advantages of my improved holder are greater solidity and greater ease in fixing and removing the trough.

The holders can be set in place in the eaves, and the trough soldered together till the requisite length is obtained, and then set bodily in place, and secured by tightening down the lip F, and folding over and nailing or otherwise securing the strap K to roof.

What I claim as new, and desire to secure by Letters Patent, is—

The brackets D and E, in combination with the strap H and the strap K, folding over the trough, and securing it to the roof, substantially as and for the purposes described.

JOHN MARSHALL.

Witnesses:

CHARLES ROSS,

JOHN WEIMEISTER.