(No Model.)

C. BURDICK.

EAVES TROUGH HANGER.

No. 255,251. Patented Mar. 21, 1882.

Fig. 1.

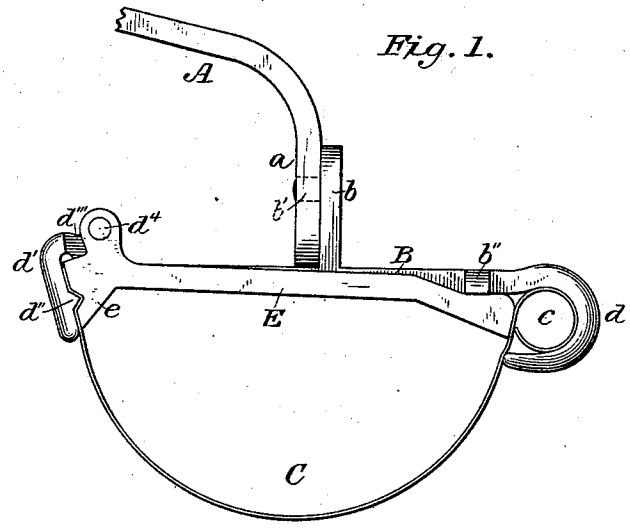


Fig. 2.

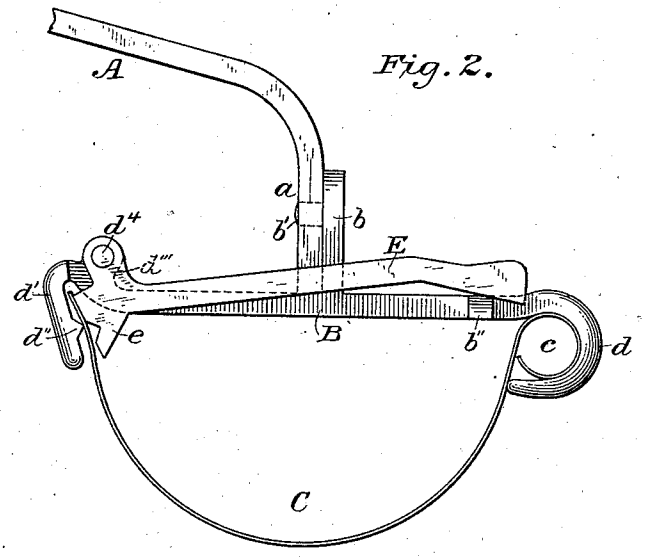
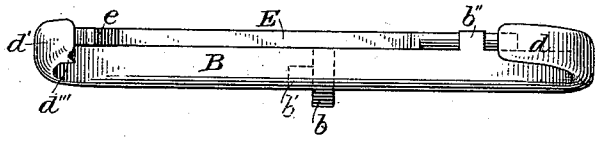


Fig. 3.



WITNESSES

W. T. Cole

H. S. Barbour

INVENTOR

Charles Burdick,

By his Attorneys

C. H. W. J. Hall

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES BURDICK, OF CLEVELAND, OHIO.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 255,251, dated March 21, 1882.

Application filed December 31, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES BURDICK, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Fastenings for Eaves-Troughs, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object the convenient and efficient clamping of the eaves-trough to its support or hanger by means as hereinafter described.

In the drawings, Figure 1 shows a transverse section of the eaves-trough clamped by the application thereto of my invention. Fig. 2 shows the trough unclamped. Fig. 3 is an inverted plan or bottom view of the clamping devices detached from the trough.

Similar letters of reference indicate similar parts in the several figures.

A is a hanger-iron, which is secured to the roof. To the part *a* of this iron the vertical portion *b* of the clamp B is attached by means of a pin, *b'*, which passes through a hole in the part *a*.

C is the eaves-trough, having the usual rolled bead, *c*, at its front edge. The clamp B is provided at its front end with a hook, *d*, which fits over the head *c* of the trough, and at its other end with a downwardly-projecting bend, *d'*, having on its inner surface a tooth, *d''*. Near this end of the clamp, in a bearing, *d'''*, is a pin, d^4, which serves as a pivot or fulcrum for the clamping-lever E. The short arm *e* of the lever E is provided with a V-shaped notch. Near the front end of the clamp is a lateral projection, *b''*.

When it is desired to secure the trough the clamp B is placed over the trough in the manner shown in Fig. 2, the hook *d* fitting on its rolled bead *c* and the bend *d'* over its inner edge. The clamping-lever E is at this time in the elevated position shown in Fig. 2. The long arm of the clamping-lever E is then depressed and its end sprung under the projection *b''* of the clamp B, the toothed short arm *e* of the lever being brought in contact with the trough, having the effect of corrugating it or forcing it into the V-shaped notch of the bend *d'*. The clamping device may be made of cast, malleable, or wrought iron.

This invention, as will be seen, provides a simple, cheap, and secure fastening for eaves-troughs, and one which does not in any way damage the tin, the corrugation produced by the engagement of the clamping devices being insufficient to produce any injurious effect upon the metal.

If desired, the invention may be used in connection with an extensible support, whereby the trough may be given the necessary angle of inclination.

Having described my invention, I claim—

1. As an eaves-trough support, a clamping-bar provided at one end with a hook to fit over the rolled bead of the trough, and with a lateral projection, and at its other end with a downward and inward bend having a corrugated inner surface, combined with a clamping-lever pivoted to the clamping-bar, and having its short arm toothed to engage with the toothed bend of the clamping-bar and its long arm adapted to fit under or engage the projection on said bar, substantially as specified.

2. The horizontal clamp B, having the lateral projection *b''*, combined with the clamping-lever E, whose long arm engages or locks with the projection *b''*, substantially as and for the purpose specified.

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

CHARLES BURDICK.

Witnesses:

R. F. PAINE,

R. F. PAINE, Jr.