No. 693,492. Patented Feb. 18, 1902.

# C. E. BROWN.

## EAVES TROUGH HANGER.

(Application filed June 4, 1901.)

(No Model.)

Fig. 1.

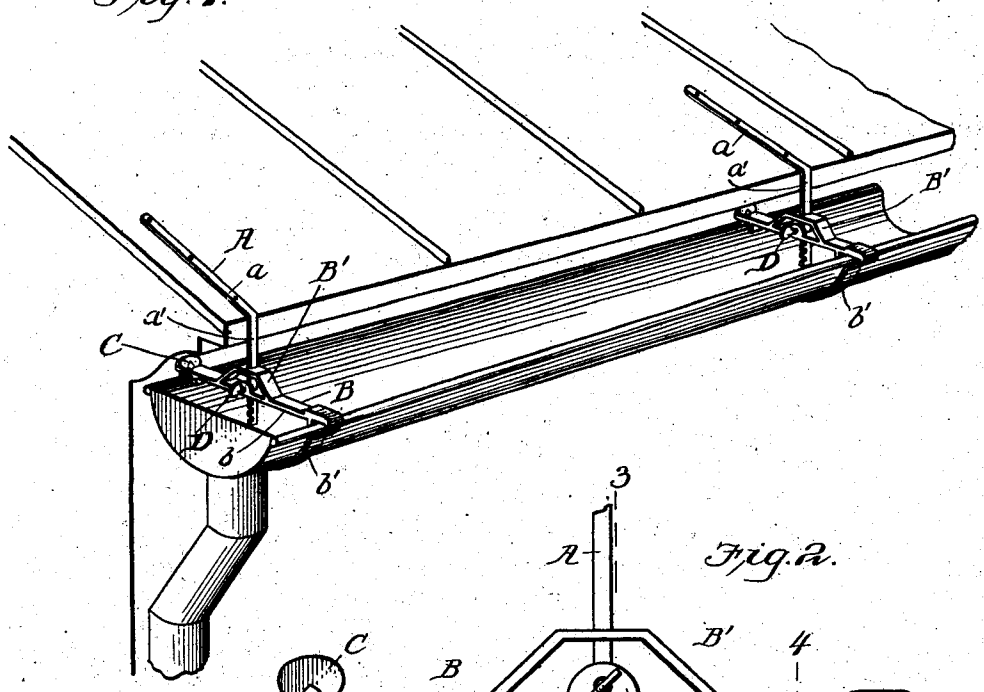



Fig. 2.

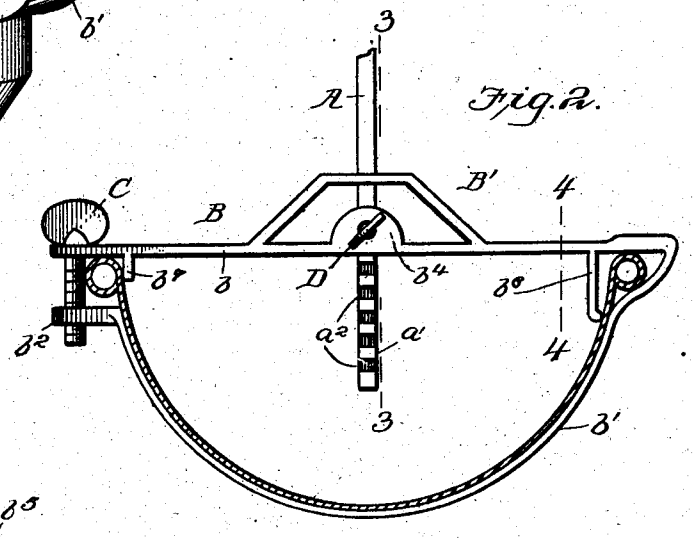



Fig. 3.

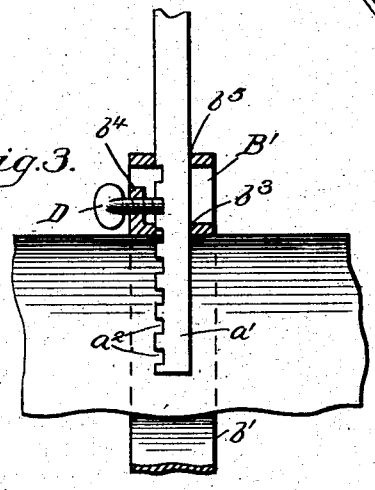
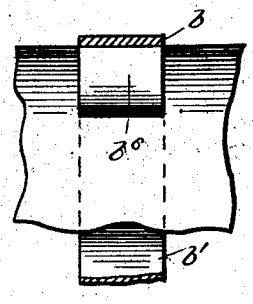



Fig. 4.




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# UNITED STATES PATENT OFFICE.

CORNELL E. BROWN, OF POINT PLEASANT, NEW JERSEY.

## EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 693,492, dated February 18, 1902.

Application filed June 4, 1901. Serial No. 63,161. (No model.)

*To all whom it may concern:*

Be it known that I, CORNELL E. BROWN, a citizen of the United States, residing at Point Pleasant, in the county of Ocean and State of New Jersey, have invented a new and useful Eaves-Trough Hanger, of which the following is a specification.

The object of my invention is to provide a device of such simple construction that one may secure it in place without requiring a special knowledge of such work.

Another feature of my improvement is to provide a construction that is capable of adjustment to fit any style cornice of a house and when once adjusted will not become disengaged and "rattle," which is the objection to most devices now employed.

With these and further objects in view my invention will be described in detail in the accompanying specification, and particularly pointed in the claims, reference now being had to the drawings, in which—

Figure 1 is a perspective view of my improvement in use. Fig. 2 is a cross-section of a gutter, showing my hanger in place. Fig. 3 is a detail section on about line 3 3 of Fig. 2, and Fig. 4 is a similar view on the line 4 4 of Fig. 2.

In the drawings, A indicates a flat metal rod having a portion $a$, provided with apertures by which the rod is secured to the roof of a house. Depending from the portion $a$ and formed continuous therewith is a section $a'$, which is provided upon one edge with a series of notches $a^2$, the purpose of which will appear later on.

Designed to fit over the lower section $a^2$ of the rod A is the holder B, which is made to encircle the gutter to firmly hold it in any position to which it may be adjusted on the rod. This holder is formed of a straight horizontal section $b$, that rests upon the edges of the gutter, and a semicircular band portion $b'$, that goes around the body of the gutter. The band-section is made integral with the horizontal section $b$ at one side and at its opposite end is formed with an enlarged lug $b^3$, which is formed with a screw-threaded aperture that receives the end of a thumb-screw C. This thumb-screw also passes through an aperture in the free end of the section $b$ and when the gutter is in place is screwed down, drawing the ends together, which firmly grips the gutter to the holder.

In order to provide a positive means of holding the gutter in place, I provide in the middle of the horizontal section an aperture $b^3$, through which the end $a'$ of the rod A passes. Upon one side of the aperture I provide the section $b$ with a screw-threaded lug $b^4$, in which is designed to work a thumb-bolt D. An arched section B' is formed integral with and upon the top of the section $b$, which is provided with an aperture $b^5$, that registers with the aperture $b^3$ in the section $b$. The arched section performs the double purpose of strengthening the holder B, and at the same time provides a brace for the rod A, which prevents any possible danger of a swaying or rocking motion. In order to hold the gutter perfectly tight in the hanger, I provide upon the under side of the horizontal portion $b$ short depending lugs $b^6$ and $b^7$, which are arranged respectively upon the front and rear ends of the portion $b$.

The operation of my invention is as follows: After the rods have been fastened upon the roof and the holders arranged upon the gutter the latter is then lifted into position and the holder slid along the gutter until the apertures register with the rods. The gutter is then raised and the rods inserted in the apertures until the gutter is in the proper position. The thumb-bolt D is then screwed "home," the end of the bolt engaging one of the apertures in the edge of the rod A, and then by finally tightening the thumb-screw C the operation is completed. It will thus be seen that the whole operation requires but little time and when once in position provides a neat, durable, noiseless, and safe hanger.

When the sections $b$ and $b'$ are drawn together, the lugs engage the edges of the gutter, which holds the latter firmly in position and prevents any possibility of a rattling noise.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an eaves-gutter hanger, the combination of a supporting-rod, an adjustable holder held by said rod, a brace-arch formed integral with said holder, and lugs formed upon

the said holder, substantially as shown and described.

2. In an eaves-trough hanger, the combination of a hanger-rod, comprising an oblique portion, a vertical section depending therefrom, notches formed upon one side of the said vertical portion, a holder adjustably connected to the said hanger, the said holder comprising a horizontal section having a perforation at one end thereof, and a semicircular section formed integral with the horizontal portion at the end opposite the perforation, the said semicircular portion having a screw-threaded perforation to register with the perforation in the horizontal section, a screw for engaging the said perforations and adjustably securing the free ends of the said sections, a brace-arch formed integral with the holder, and antirattling-lugs formed upon the under side of the said horizontal section, all arranged substantially as shown and described.

CORNELL E. BROWN.

Witnesses:
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