

(No Model.)

W. E. BROWN.
EAVES TROUGH HANGER.

No. 251,172.

Patented Dec. 20, 1881.

Fig. 1.

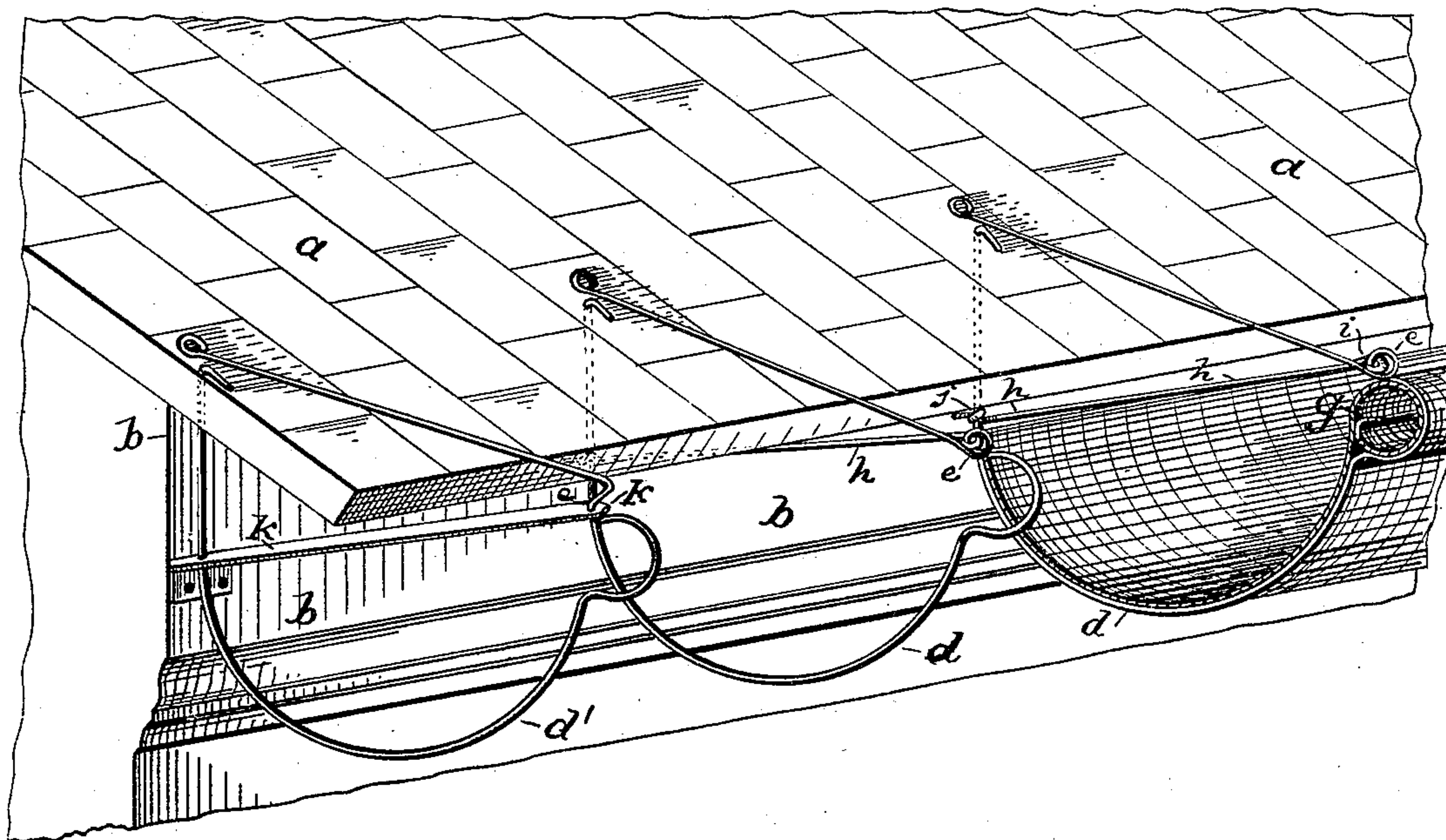
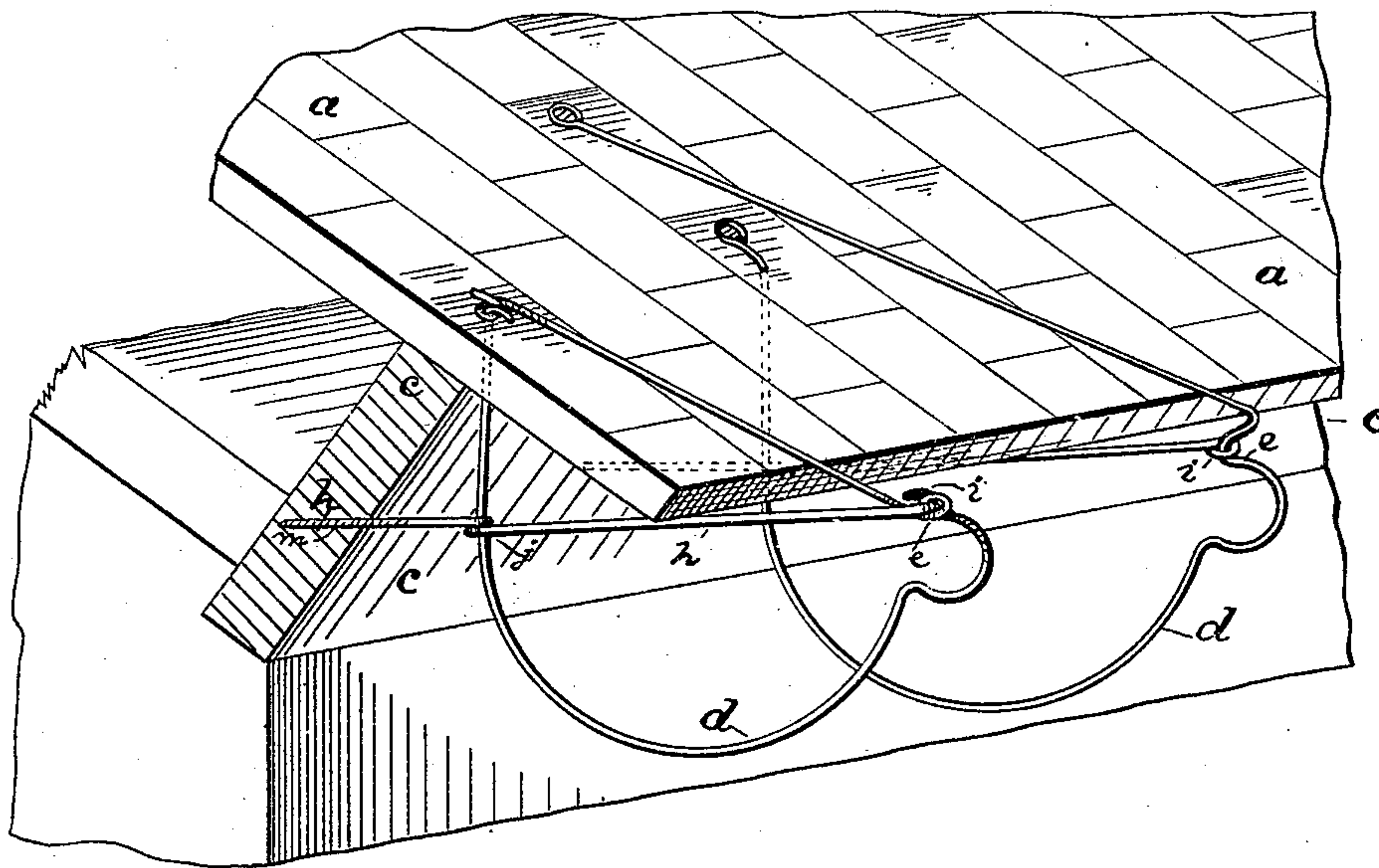


Fig. 2.



WITNESSES:

Thos. Houghton.
John A. Kemmer

INVENTOR:

Wm. E. Brown
BY *Wm. E. Brown*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM E. BROWN, OF IRVING, KANSAS.

EAVES-TROUGH HANGER.

SPECIFICATION forming part of Letters Patent No. 251,172, dated December 20, 1881.

Application filed September 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. BROWN, of Irving, in the county of Marshall and State of Kansas, have invented a new and useful Improvement in Gutter-Hangers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figures 1 and 2 are perspective views of my improved gutter-hanger as applied to buildings the fasciæ of which make different angles with the roof.

My invention relates to improvements in gutter-hangers; and it consists in the peculiar construction and arrangement of the parts, as hereinafter more fully set forth.

In the accompanying drawings, *a* represents the roof of a building to which my improved gutter-hanger is applied, and *b* and *c* represent fasciæ forming different angles with the plane of the roof, the fasciæ *b* making an acute angle with the roof and the fasciæ *c* being at right angles thereto.

d represents my improved wire-rod gutter-hanger, having one end secured, by a nail or otherwise, to the roof of a building over the fasciæ *b c*. The wire-rod hanger *d* thence passes outwardly and is bent into a loop, *e*, before reaching the bead of the gutter *g*, and thence is bent around the bead of the gutter and around and under the lower face of the gutter, and thence upwardly through the roof, to which it is secured.

h represents a screw-hook, the outer end of which is provided with a loop, *i*, which passes through the loop *e* in the hanger *d*. The screw hook or brace *h* passes from the loop *e* in the hanger across the upper edges of the gutter, and is bent around the hanger *d* above the inner edge of the gutter, so as to form a loop, *j*. The screw-hook *h* is screw-threaded at its inner end, *m*, the latter being screwed through the fasciæ *b c*, so as to act as a brace for the hanger. A second hanger, *d'*, is arranged parallel to the first, and at a suitable distance from it, for the support of the gutter. The hanger *d'* is secured to the upper face of the roof, and thence passes around and under the gutter and through the roof, to which it is secured in the same manner as the hanger *d*; but in lieu of a screw-hook, *h*, as a brace I may

employ as a brace for the hanger a flat metallic strap, *k*, bent angularly at its lower end and secured to the fasciæ *b*, and provided with holes through which the hanger passes, the hanger *d'* being bent upwardly at the point where it passes through the hole in the upper end of the strap *k*.

A series of hangers, *d d'* or *d' d'*, with screw-hooks *h* or metallic strap *k*, may be employed to support the gutter, and the hangers are of different lengths, so as to give a fall to the gutter to carry off the water.

In the constructions above described it will be observed that the hook *i* of the brace *h* passes through the loop *e* of the hanger, and that the brace is again bent around the hanger on its opposite side, so as to form the loop *j*, and that in the modification in which the strap *k* is employed as a brace the hanger passes through holes in the ends of the strap *k*. By this construction all lateral motion of the gutter from wind or other causes is prevented, and the gutter held securely in place.

In the case above described, in which the fasciæ *b* makes an acute angle with the roof, I have represented the loop *j* in the screw-hook *h*, through which the hanger *d* passes, as just above the inner edge of the gutter and at the intersection of the screw-hook *h* and the fasciæ *b*. If it is desired to throw the inner edge of the gutter farther from the fasciæ, as in the case represented in the drawings, in which the fasciæ *c* is at right angles to the roof, the loop *j* in the screw-hook *h* is made farther out from the intersection of the screw-hook or brace with the fasciæ *c*, so as to throw the inner end of the gutter farther from the fasciæ.

I claim as my invention—

The combination, with a wire-rod gutter-hanger secured at one end to the roof of a building, and passing thence over and around and under a gutter, and having its opposite end secured to the roof, of a brace attached to the fasciæ at its inner end and secured to the opposite sides of the hanger above the gutter, so as to prevent lateral movement of the latter, substantially as described.

WILLIAM E. BROWN.

Witnesses:

JOHN L. MACARTNEY,
CHARLES G. PARKER.