

No. 749,419.

PATENTED JAN. 12, 1904.

G. M. BOHNERT.
EAVES PROTECTOR.

APPLICATION FILED MAR. 2, 1903.

NO MODEL.

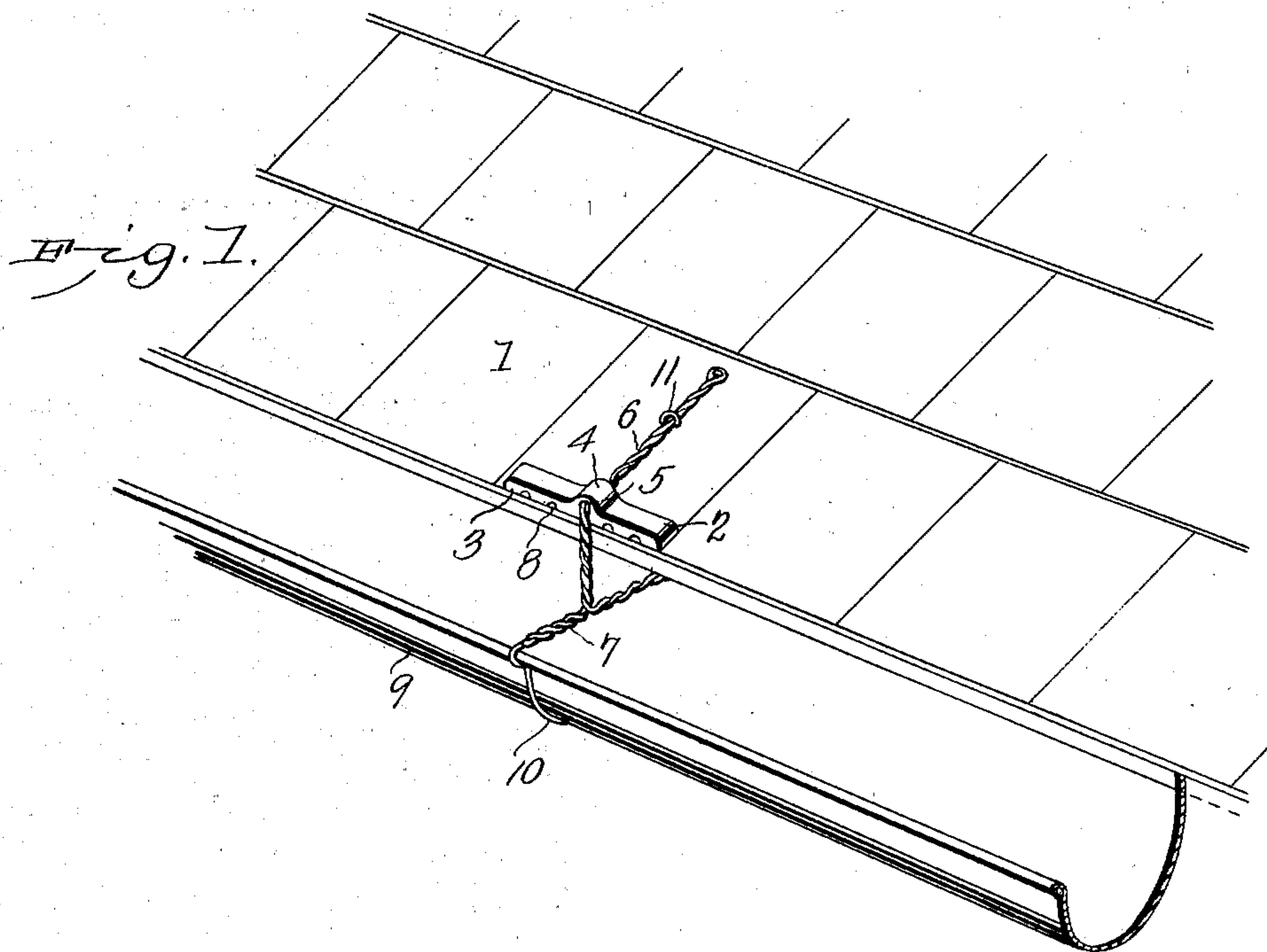


Fig. 3.

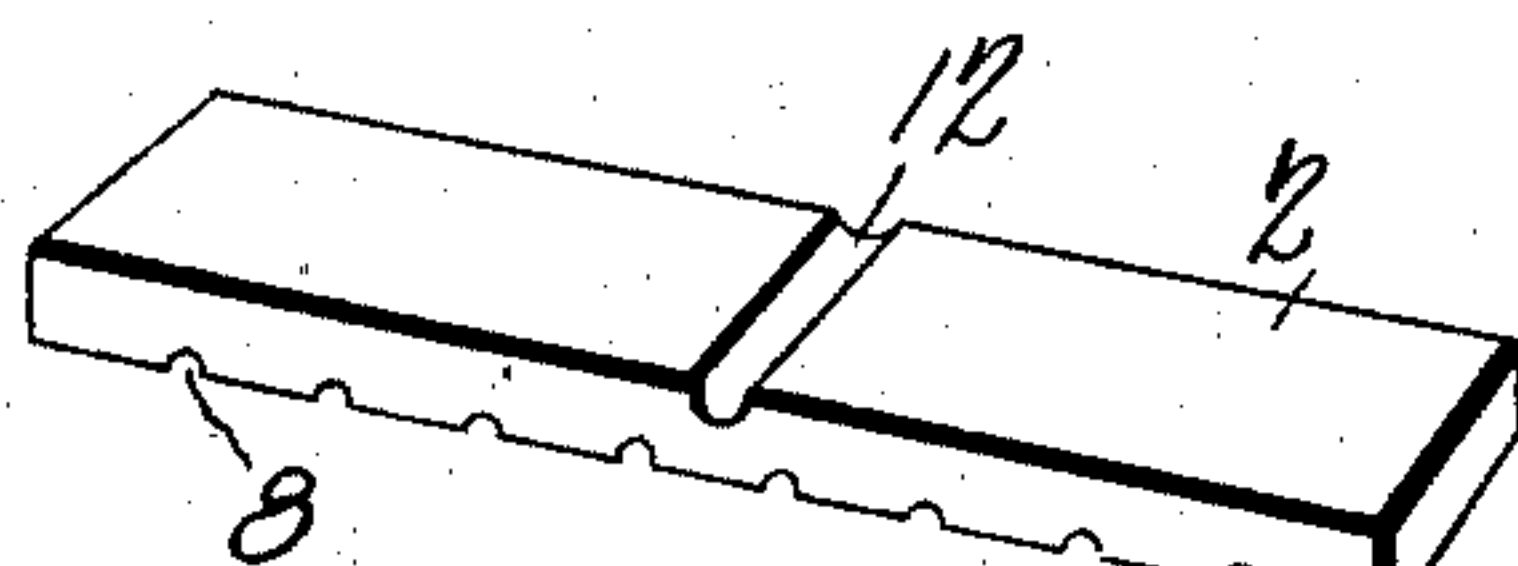
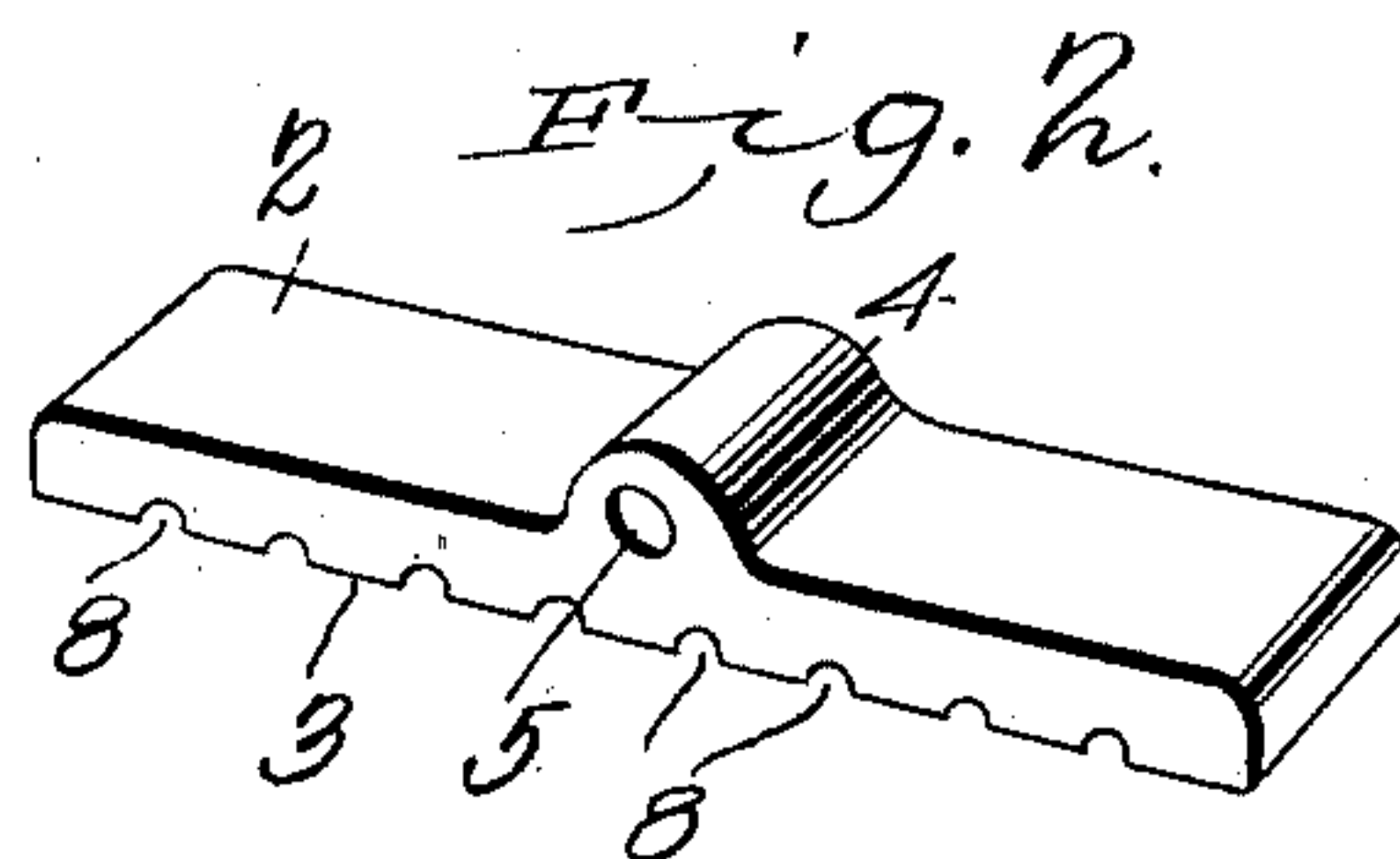
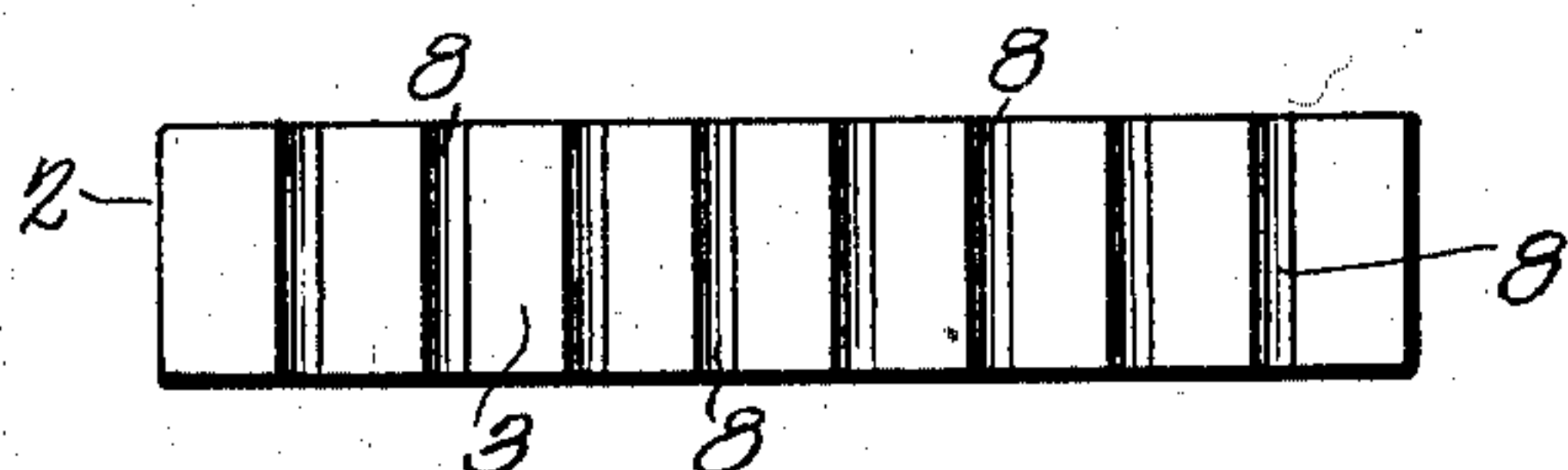


Fig. 4.

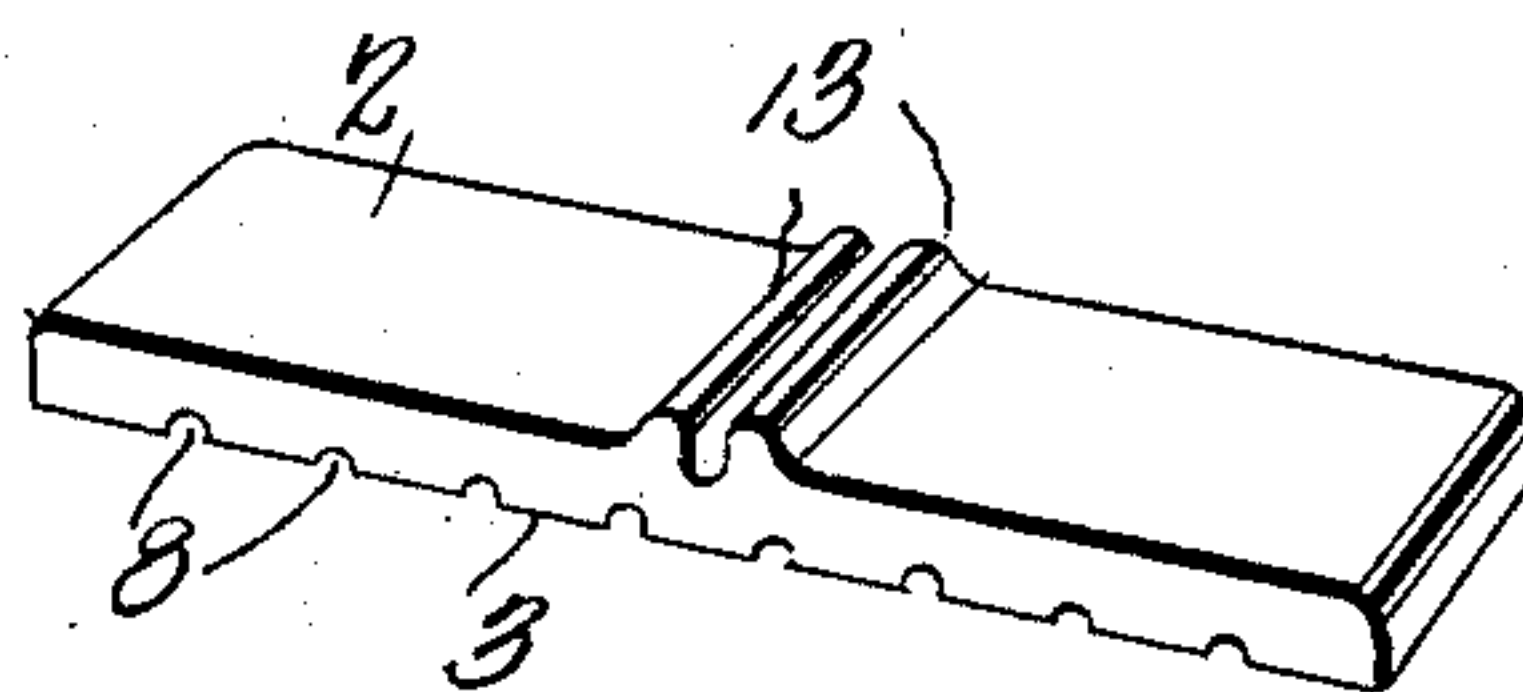


Fig. 5.

Witnesses
E. J. Stewart
L. H. McKee

G. M. Bohnert Inventor.
by *C. A. Snow & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE M. BOHNERT, OF PETERSBURG, INDIANA.

EAVES-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 749,419, dated January 12, 1904.

Application filed March 2, 1903. Serial No. 145,800. (No model.)

To all whom it may concern:

Be it known that I, GEORGE M. BOHNERT, a citizen of the United States, residing at Petersburg, in the county of Pike and State of Indiana, have invented a new and useful Eaves-Protector, of which the following is a specification.

This invention relates to an improved eaves-protector, and has for its object to provide a simple, inexpensive, and efficient device of this character capable of being used in conjunction with the ordinary form of eaves-trough hangers and by means of which the hangers when subjected to excessive weight or strain, due to the accumulation of water, ice, leaves, &c., in the trough, are prevented from cutting or otherwise breaking the ends of the eaves, as is at present the case.

A further object of the invention is to provide an eaves-protector having a flat base and a central opening forming a bearing for the shank of the trough-hanger, the base of the protector being provided with a series of transversely-disposed grooves or channels which permit the water from the roof to drain in the trough and also divide the surface into a number of gripping-faces to prevent lateral movement.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a roof, showing my improved eaves-protector applied thereto, and Fig. 2 is a detail perspective of the protector detached. Fig. 3 is a bottom plan view of the same. Figs. 4 and 5 are perspective views showing modified forms of supporting-blocks.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a section of a roof to the eaves of which are attached any desired number of my improved protectors or supporting-blocks. Each protector 2 consists of a substantially rectangular plate formed of metal, wood, or other suitable material, having a flat base and an enlarged central portion 4, provided with a transversely-disposed opening 5, adapted to receive the shank 6 of a trough-hanger 7. The base of the protector rests upon the edge of the eaves, as clearly shown in Fig. 1 of the drawings, and forms a broad bearing-surface for the hanger receiving the direct weight or strain of the trough, which would otherwise fall on the edge of the eaves, cutting or otherwise damaging the same. The base 3 of the protector is provided with a series of transversely-disposed grooves or channels 8, which form a biting edge, preventing lateral displacement of the same and also allowing the water from the roof to drain in the trough 9.

The trough-hanger 7 may be of the ordinary form and construction, and in the present instance I have shown it being formed of a continuous piece of wire bent upon itself to form the shank 6, the end thereof being curved downward and bent to form a loop 10, by means of which the trough 9 is supported. The shank 6 of the hanger passes through the opening 5, as before stated, the end thereof being secured in any suitable manner to the roof, as by staples 11 or like fastening devices.

In Fig. 4 I have shown a modified form of supporting-block in which a groove 12 is formed in the upper surface of the block, while in Fig. 5 the block is provided with a pair of transversely-disposed upwardly-extending ribs 13, defining a groove 14 for the reception of the shank of the hanger.

From the foregoing description it will be seen that I have provided an exceedingly simple and inexpensive means for supporting trough-hangers, the protector or supporting-block receiving the direct weight of the trough and distributing the same over a more extensive area, while the grooves or channels on the base of the block permit the water from the roof to drain in the trough.

It is obvious the supporting-block or protector may be of any desired shape or configuration and any style of hanger may be used, the object being to provide a broad bearing-
5 surface for the hanger at the edge of eaves, preventing the same from coming in contact with the roof at this point.

Having thus described the invention, what I claim, and desire to secure by Letters Patent, is—

10 1. An eaves-protector comprising a supporting-block provided with a series of drainage grooves or channels and means carried by the block for supporting a trough-hanger.

15 2. An eaves-protector comprising a supporting-block provided with a series of drainage grooves or channels and having an opening for the reception of a trough-hanger.

3. An eaves-protector comprising a supporting-block having a flat base provided with a series of transversely-disposed drainage grooves or channels and an opening for the reception of a trough-hanger. 20

4. An eaves-protector comprising a supporting-block having a flat base portion provided with a series of transversely-disposed drainage grooves or channels, and an enlarged central portion provided with a transversely-disposed opening for the reception of a trough-hanger. 25

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses. 30

GEORGE M. BOHNERT.

Witnesses:

JOHN O. MILEY,
WILLARD A. FLEMING.