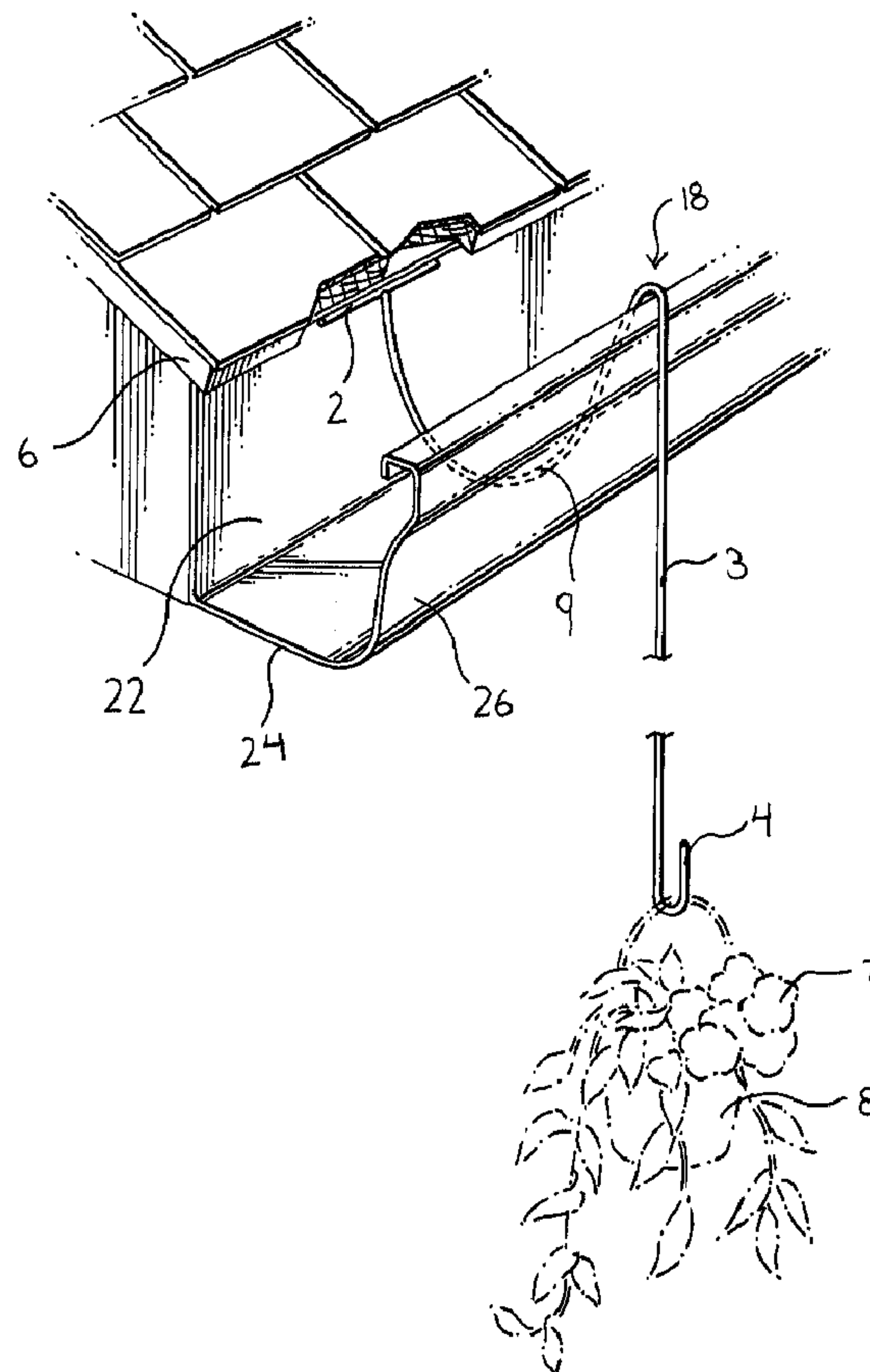




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(54) Titre : CROCHET A USAGE MULTIPLE
 (54) Title: MULTI-FUNCTION HANGER



(57) Abrégé/Abstract:

A hanging structure for hanging an object such as a flower pot or the like from a gutter. The hanging structure includes an anchoring jaw. The anchoring jaw is formed of an integrally extending wire bent into a generally "U"-shaped configuration. The

(57) Abrégé(suite)/Abstract(continued):

inherent resiliency of the spring wire is used biasing the jaw towards an opened configuration wherein they frictionally engage the respective inner surfaces of the gutter walls. The hanging structure also includes a hook segment formed by the same wire being integrally bent into a generally "U"-shaped configuration. The substantially "U"-shaped configuration of the hooking segment being in a substantially inverted orientation relative to the "U"-shaped configuration of the anchoring jaw. The hanging structure further includes a substantially elongated spacing segment extending downwardly from the hooking segment. A hook having a substantially "U"-shaped configuration extends integrally from the lower end of the spacing segment for receiving the object being hung. The hanging structure also includes a stabilising rod mounted on the anchoring jaw so as to abut against the edge of a roof. The hanging structure is mounted on the gutter by having the hooking segment abuttingly overriding the gutter front wall while the anchoring jaw is inserted within the gutter. The jaws formed by the "U"-shaped anchoring jaws are biased against the inner surfaces of the gutter walls and the stabilizing rod abuttingly contacts the adjacent roof edge.

Abstract of the disclosure:

A hanging structure for hanging an object such as a flower pot or the like from a gutter. The hanging structure includes an anchoring jaw. The anchoring jaw is formed of an integrally extending wire bent into a generally "U"-shaped configuration. The inherent resiliency of the spring wire is used for biasing the jaw towards an opened configuration wherein they frictionally engage the respective inner surfaces of the gutter walls. The hanging structure also includes a hook segment formed by the same wire being integrally bent into a generally "U"-shaped configuration. The substantially "U"-shaped configuration of the hooking segment being in a substantially inverted orientation relative to the "U"-shaped configuration of the anchoring jaw. The hanging structure further includes a substantially elongated spacing segment extending downwardly from the hooking segment. A hook having a substantially "U"-shaped configuration extends integrally from the lower end of the spacing segment for receiving the object being hung. The hanging structure also includes a stabilising rod mounted on the anchoring jaw so as to abut against the edge of a roof. The hanging structure is mounted on the gutter by having the hooking segment abuttingly overriding the gutter front wall while the anchoring jaw is inserted within the gutter. The jaws formed by the "U"-shaped anchoring jaws are biased against the inner surfaces of the gutter walls and the stabilizing rod abuttingly contacts the adjacent roof edge.

MULTI-FUNCTION HANGER

FIELD OF THE INVENTION

The present invention relates to the field of hangers and is particularly concerned with a multi-function hanger for outdoors.

BACKGROUND OF THE INVENTION

A lot of people like to adorn their house with potted flowers. To do so, they often use hangers to hang them. They also hang other items all around their house like hanging baskets, feeders for birds, birdcages and like articles.

SUMMARY OF THE INVENTION

It is therefore an object of the present invention to provide a multi-function hanger that is retrievable, secure and does not require any maintenance.

Advantages of the present invention include the fact that the multi-function hanger can easily be installed on different models of gutters and that is stable.

Another advantage of the present invention resides in the fact that the multi-function hanger is made of a non-corrosive material in order to allow people to use it outside.

A further advantage of the present invention resides in the fact that different models of multi-function hangers can be manufactured. In order to please the consumers, the multi-function hanger can be manufactured in different lengths and colors (with varied decorative effects).

BRIEF DESCRIPTION OF THE DRAWINGS

An embodiment of the invention will now be described, by way of example, in

reference to the following drawings in which:

Figure 1 is a perspective view illustrating a multi-function hanger in accordance with an embodiment of the present invention;

Figure 2 is a perspective view illustrating a conventional gutter with a multi-function hanger's upper part installed in it in accordance with an embodiment of the present invention;

Figure 3 is a side view illustrating the flexible bend (that goes in a conventional gutter) of a multi-function hanger in accordance with an embodiment of the present invention;

Figure 4 is a side view illustrating a conventional gutter with a multi-function hanger's upper part installed in it in accordance with an embodiment of the present invention; and

Figure 5 is a side view illustrating a different model of a conventional gutter with a multi-function hanger's upper part installed in it in accordance with an embodiment of the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Figure 1, there is shown, in a perspective view, a multi-function hanger 1 in accordance with an embodiment of the present invention.

The multi-function hanger is composed of a stabilizing member 2, a U-shaped portion 9, a shaft 3 and a hook 4. In order to please a majority of consumers, the multi-function hanger 1 can be manufactured in different lengths and colors (with varied decorative effects).

Referring to Figure 2, there is shown, in a perspective view, a conventional gutter 5 with the upper U-shaped portion 9 of a multi-function hanger 1 installed in it. Gutter 5 includes an inner wall 22, an outer wall 26 and a base 24. The installation of the multi-function hanger 1 is really simple: The stabilizing member 2 has to be placed under the edge of the roof 6 while the U-shaped portion 9 is inserted in the gutter 5. Thus, the stabilizing member 2 abuts the underside of the roof 6 and the U-shaped portion 9 is squeezed in the gutter 5. The stabilizing member 2 acts as a stabilizing portion and is large enough to provide a good stability that allows the multi-function hanger 1 to stay in place even when something is hung to it (for example a hanging basket 8 with flowers 7). U-shaped portion 9 has a first end 14 connected to stabilizing member 2 and a second end 16 connected to shaft 3 by means of an inverted U-shaped connecting portion 18.

Referring to Figures 4 and 5, there is shown how the multi-function hanger 1 is adaptable to different models of gutters. The upper U-shaped portion of the multi-function hanger 1 fits as well in the conventional gutter 10 as in the gutter 11.

In a preferred method of manufacturing, the multi-function hanger is made of a non-corrosive material like P.V.C. (polyvinyl chloride). Any other suitable materials such as polypropylene could be used without departing from the scope of the present invention.

Various embodiments of the invention are disclosed in Figures 1 through 5. It should be understood that all such embodiments rely on the same basic structure and that various modifications, adaptations and variations may be made to the specific

embodiments of the invention herein disclosed without departing from the scope of the present invention.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. In combination, a hanger and a gutter adaptedly mounted on the eaves of a structure;

said gutter having a generally U-shaped cross sectional configuration defined by a base, an inside wall designed to lie adjacent to said eaves and under a roof, and an outer wall;

said hanger comprising an elongated member having a U-shaped portion sized to fit within said gutter; said U-shaped portion having a first arm and a second arm, said first arm lying proximate said inside wall of said gutter, said second arm lying proximate said outer wall of said gutter and interiorly thereof;

a stabilizing portion joining a first end of said U-shaped portion, said stabilizing portion designed to abut an underside of said roof;

a shaft portion located at a second end of said U-shaped portion, said shaft portion extending downwardly exteriorly of said outer wall of said gutter, said shaft portion having means thereon to hang an object; and

a connecting portion connecting said shaft portion and said second end of said U-shaped portion, said connecting portion having an inverted U-shaped configuration.
2. The combination of Claim 1 wherein said hanger is formed of a plastics material.
3. The combination of Claim 2 wherein said hanger is formed of a polyvinyl chloride.

4. The combination of Claim 1 wherein said means on said shaft portion to hang an object comprises a hook.
5. The combination of Claim 1 wherein said U-shaped portion, said shaft portion, and said connecting portion lie in a single vertical plane.
6. The combination of Claim 1 wherein said stabilizing portion comprises a stabilizing member extending substantially perpendicular to said vertical plane.
7. A hanger suitable for use for the gutter, said hanger comprising an elongated member having a U-shaped portion, an elongated stabilizing portion at a first end of said U-shaped portion, a shaft portion at the second end of said U-shaped portion, said shaft portion being connected to said second end of said U-shaped portion by means of a connecting portion, said connecting portion having an inverted U-shaped configuration, said shaft portion having means thereon to hang an object, said shaft portion, connecting portion and U-shaped portion having a longitudinal axis lying in a first plane, said stabilizing member having a longitudinal axis lying in a second plane substantially perpendicular to said first plane.
8. The hanger of Claim 7 wherein said hanger is formed of a polyvinyl chloride material.

Fig. 1

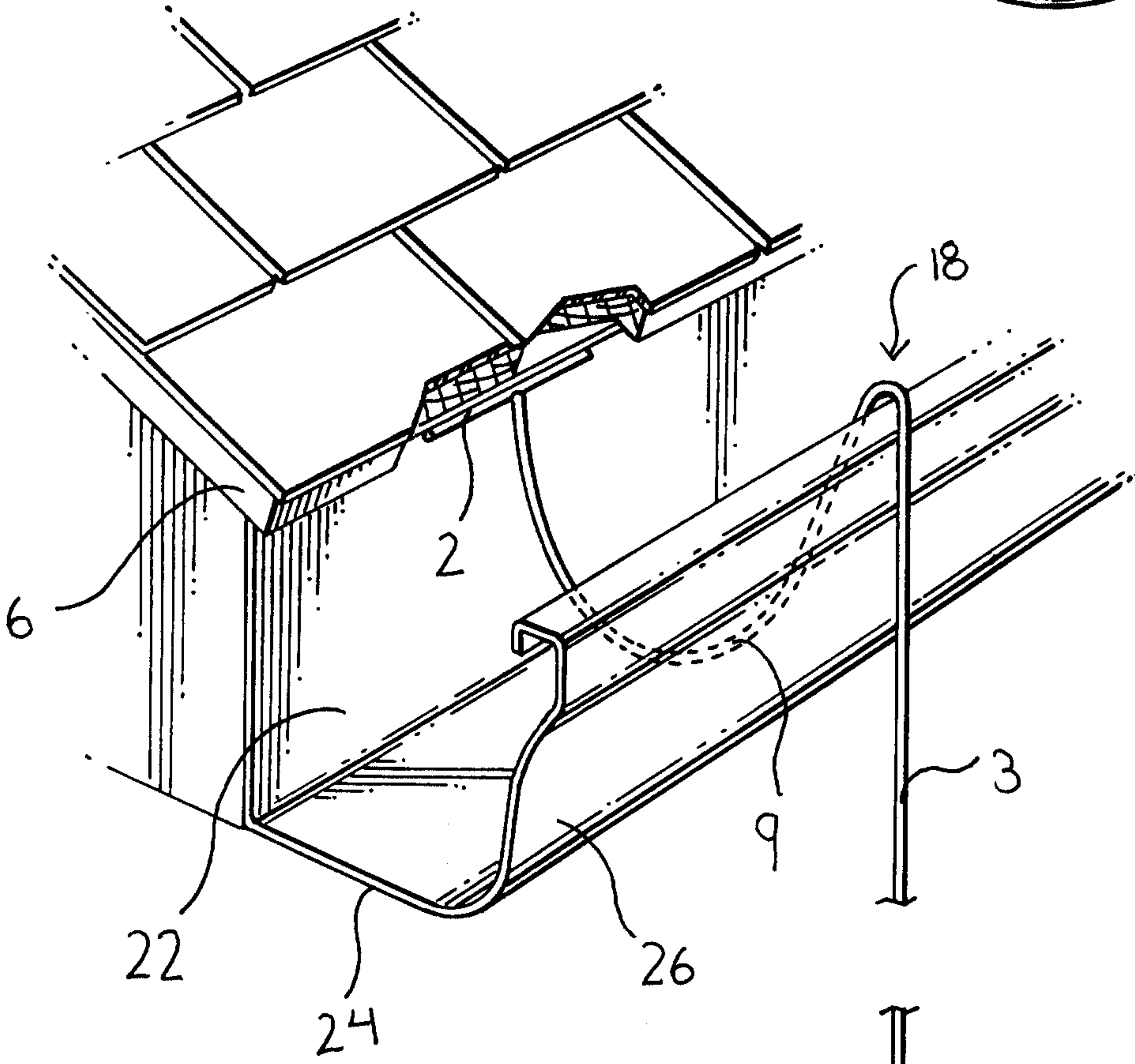
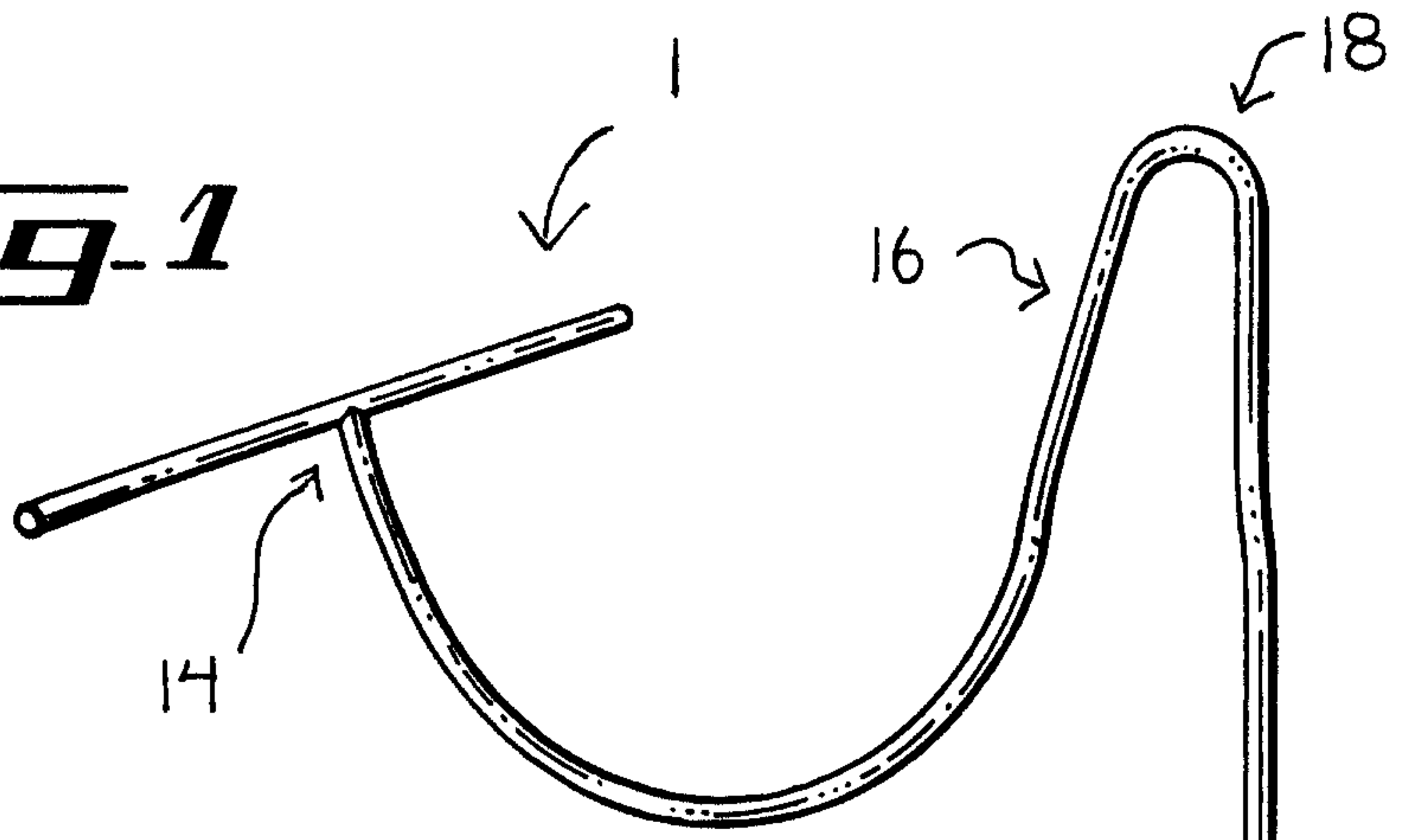
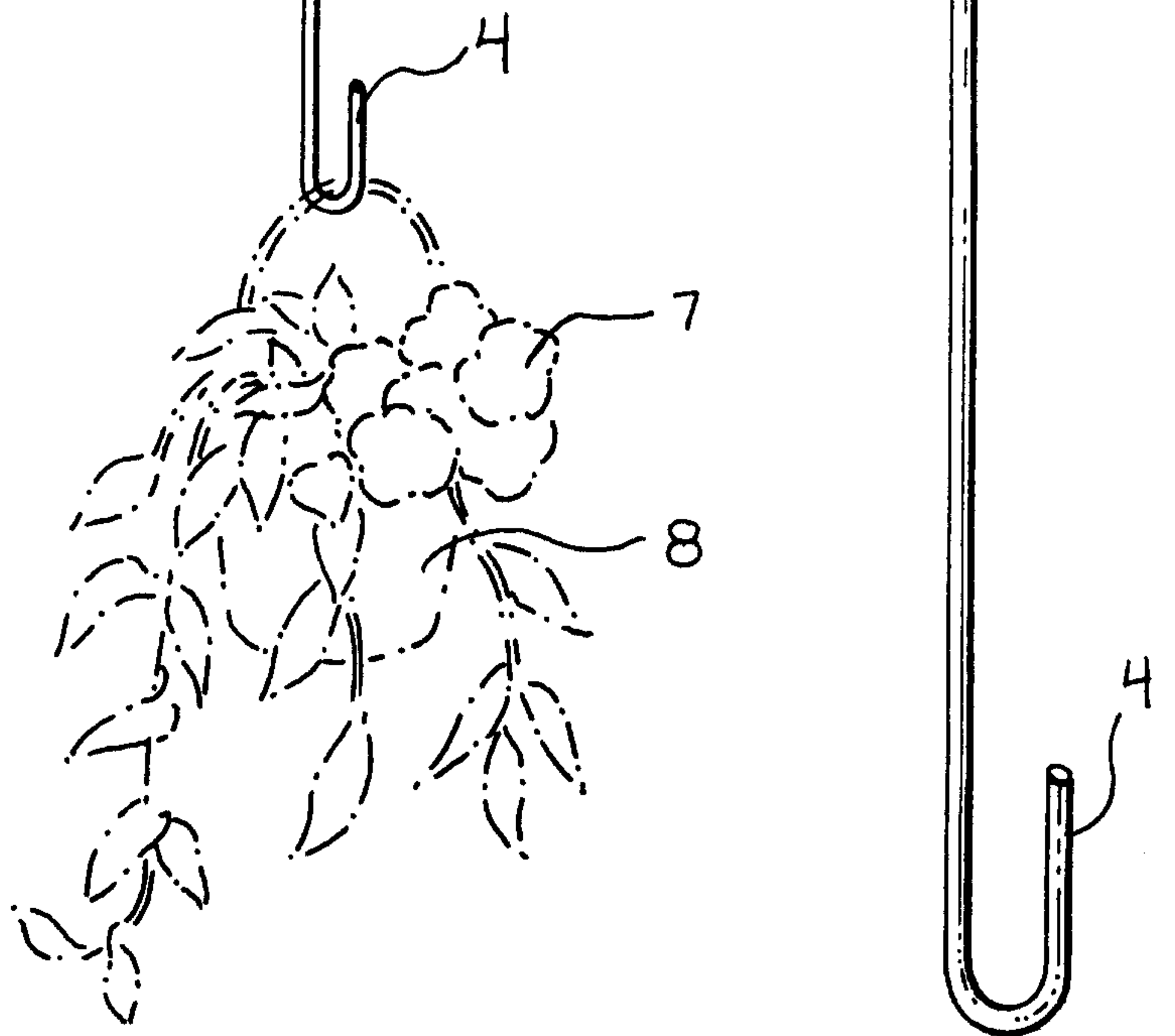


Fig. 2



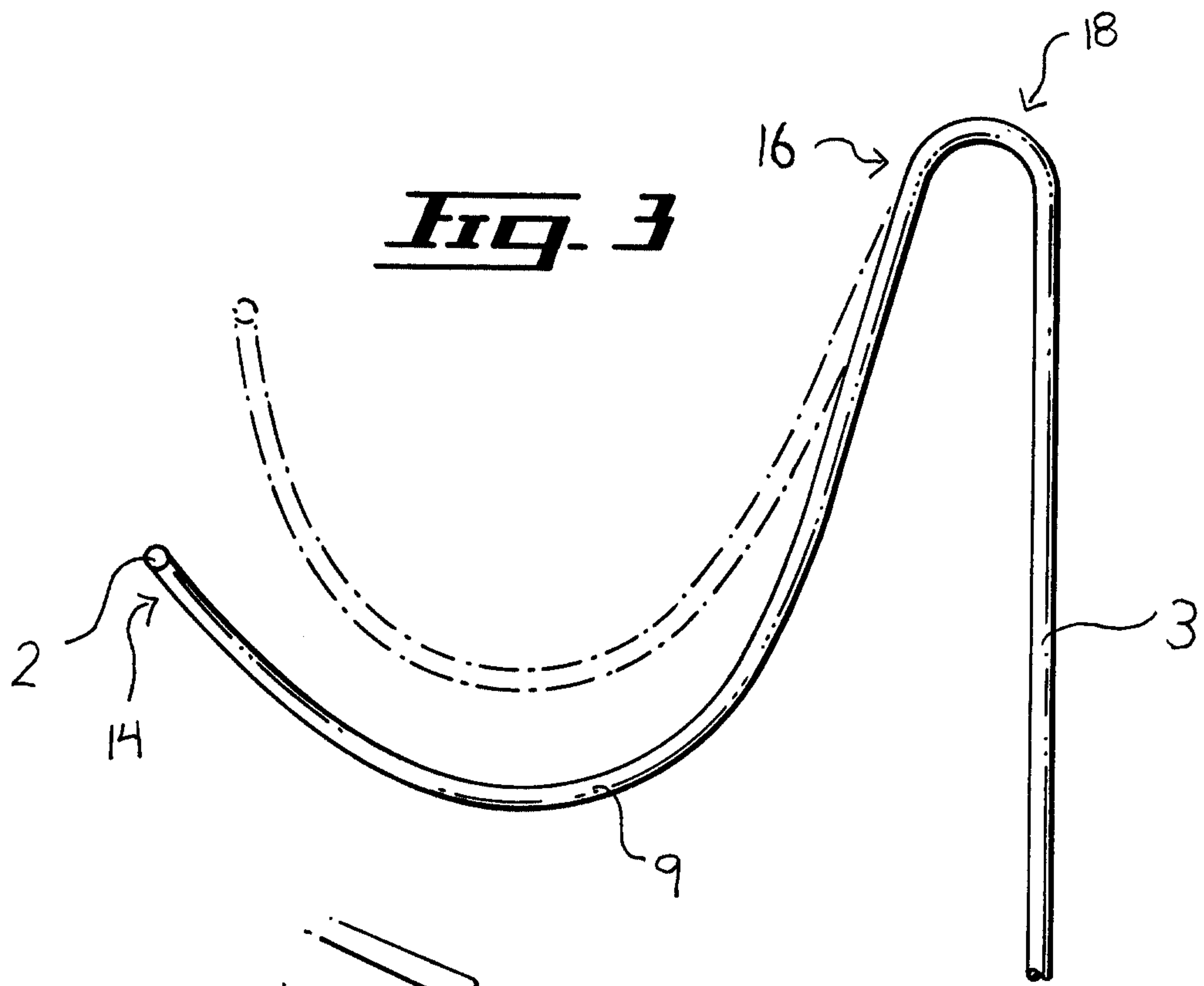


Fig. 4

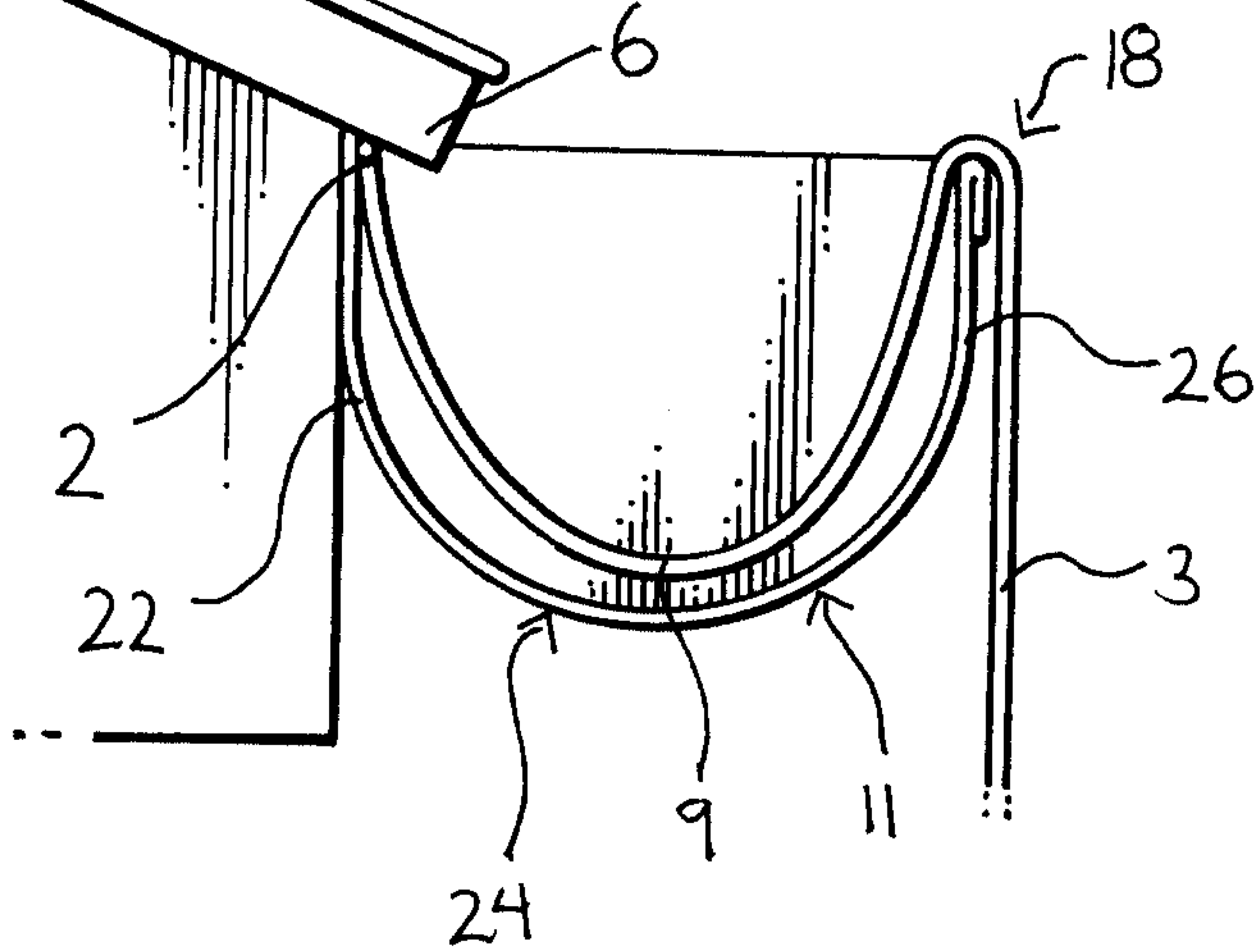
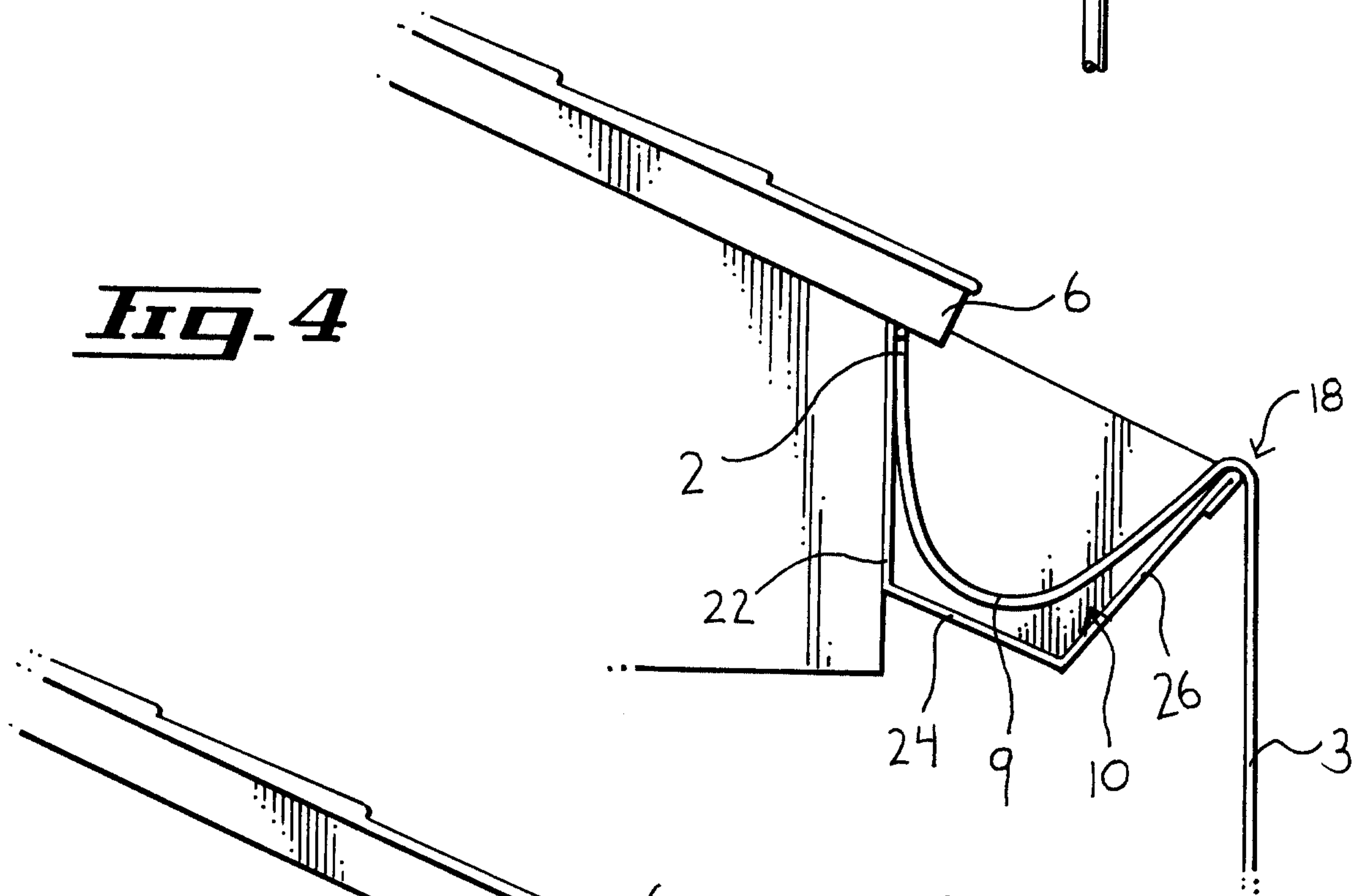


Fig. 5

