C. MEUNIER.

GUTTER HANGER.

APPLICATION FILED MAR. 7, 1922.

1,438,774.

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Fig. 1.

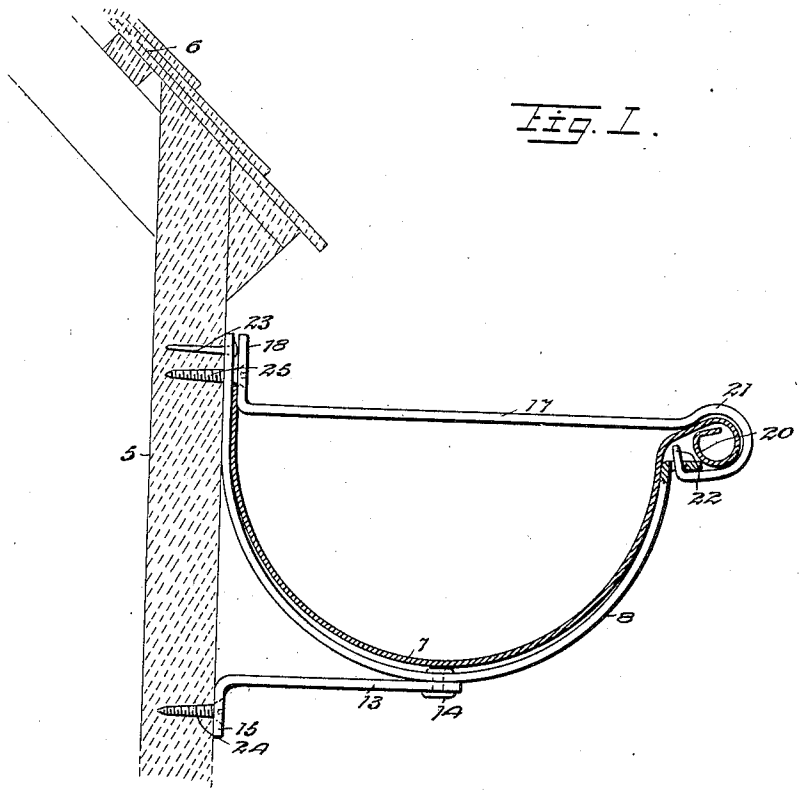


Fig. 2.

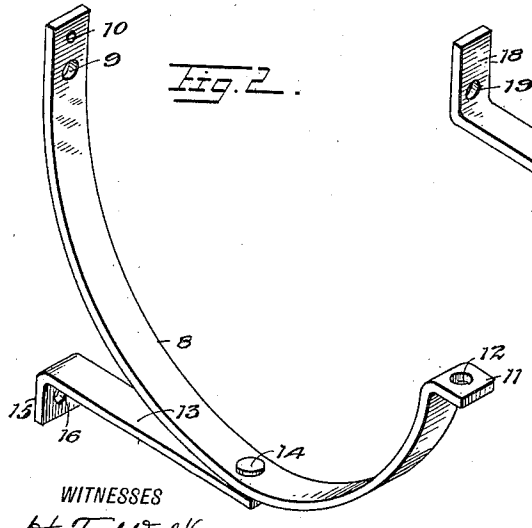
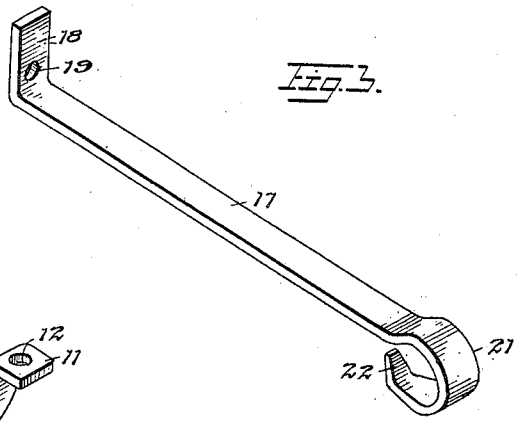


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES MEUNIER, OF GREAT NECK, NEW YORK.

GUTTER HANGER.

Application filed March 7, 1922. Serial No. 541,861.

To all whom it may concern:

Be it known that I, CHARLES MEUNIER, a citizen of the United States, and resident of Great Neck, Long Island, in the county of Nassau and State of New York, have invented a new and Improved Gutter Hanger, of which the following is a full, clear, and exact description.

My invention relates to a gutter hanger such as is utilized in connection with the supporting of gutters positioned adjacent to the roofs of buildings.

It is an object of the present invention to provide a device of the character described which is primarily adapted to be attached to the side wall of the building, and at a point below the edges of the roof thereof, and which will support the gutter in such a manner as to preclude any danger of the latter being turned from its fastenings or the latter being torn from their support incident to the reception of sudden strains such as occur when snow and ice slide from the roof and strike the gutter in falling.

A still further object of this invention is that of constructing a gutter hanger which will provide means permitting of its being temporarily attached in a certain position subsequent to a permanent attachment thereof may be effected. By this expedient the common difficulty, incident to positioning the gutter in a properly inclined plane is eliminated, and an operator is enabled to temporarily position the hangers and gutter, subsequent to which the degree of inclination of the latter may be checked, and the necessary corrections resorted to. Thus, although the parts will be caused to assume their proper position, a permanent fastening of the same will not be necessary until these parts are properly disposed.

A further object of the present invention is that of providing a hanger of the type described which may be constructed of copper so as to be capable of ideal use in conjunction with a copper gutter, incident to the fact that no electrical action will come into being, as is now usually the case when hangers of a metal different than copper are used in conjunction with a gutter of this type.

Among further objects of this invention are that of providing a gutter hanger which will incorporate the advantages aforementioned, although the same will be of extremely simple construction and thus be capable of being placed upon the market at a nominal figure.

Further objects of this invention will become apparent in the annexed specification taken in connection with the drawings which latter illustrate one practical embodiment of the same, and in which:

Figure 1 is a transverse sectional view of a gutter of ordinary construction applied to a building, and retained in this position by means of my improved type of hanger,

Figure 2 is a perspective view of one of the major portions of the said hanger, and

Figure 3 is a perspective view of another major portion of the hanger.

It will be seen reference being had to Figure 1 that the numeral 5 indicates the side wall of a building and 6 the roof thereof, it being noted that a gutter 7 is positioned adjacent the lower edge of the latter and is supported by the former by means of my improved type of hanger hereinafter described.

Reference being had to Figure 1 it will be noted that the hanger includes two major portions which are illustrated in detail in Figures 2 and 3. The first of these portions embraces a strip 8 bent to conform to the contour of the gutter 7, this strip being provided with a large and a small opening 9 and 10 respectively adjacent one of its ends, and terminating in a preferably off-set portion 11 at its opposite end, this off-set portion being also formed with an opening 12. With a view of bracing the strip 8, I utilize a strap 13 having one of its ends suitably attached as at 14 to the strip 8 its opposite end being bent as at 15 and being provided with an opening 16, it being noted that this bent portion lies at a plane substantially equal to that in which the inner edge of the strip 8 extends.

Referring to the second portion of the hanger, it will be seen that the same also includes a strip 17 which strip is of a length sufficient to bridge the space existing between the ends of the strip 8 and the inner end of the said strip 17 is bent to preferably extend upwardly as at 18 and is provided with an opening 19 of a size corresponding substantially to that of the opening 9. The outer end of the strip 17, when the latter is used to support a gutter 7 presenting a bead 20 is curved as at 21 to correspond to the said beaded portion of the gutter, and this curved portion 21 terminates in a prong 22

which may extend into the opening 12 of the strip 8.

In practice a number of strips 8 are utilized, and these strips are initially positioned adjacent the wall 5 and secured into the position which they are to occupy by extending a nail 23 through the opening 10 thereof. It will be obvious that when the strip 8 is thus placed the nail 23 will afford sufficient support to retain said strip in its proper position, and to thus enable an operator to check the position of one hanger with respect to another hanger, and to thus assure himself that these members lie in a position at which they will support the gutter with a proper degree of inclination. However if it becomes necessary to move certain of the hangers, it will be obvious that due to the fact that the same are supported merely by the nail 23 that any suitable instrument such as a screw driver, etc. will permit of these nails being withdrawn to thus again allow an operator to re-position the same to achieve the result desired.

After the hangers have been properly positioned it will be seen that a suitable screw 24 may be passed through the opening 16, and the second portion of the hanger including the strip 17 may be applied to the parts as has been shown in Figure 1, it being noted, however that a screw 25 is passed through both the openings 19 and 9 and into the wall 5. Thus the upwardly extending portion 18 of the strip 17 will be caused to bear against the head of the nail 23 and serve to press the latter more firmly into contact with the strip 7 and in turn into the wall 5, and the gutter will be supported at two points upon its body. Hence there is provided for use in the initial adjustment of the gutter what may be termed a temporary securing means including not only nail 23 but also the strip 8; and there is also provided for use in finally permanently anchoring the gutter what may be termed a permanent securing means including not only the screw 25 but also the strip 17.

From the foregoing it will be obvious that all of the objects of this invention have been achieved, in that aside from the other advantages, no strip is attached to the roof under the shingles, and that the gutter supported by my improved type of hanger will be capable of withstanding a great amount of strains without being damaged or sagging, it being further appreciated that numerous modifications of structure might readily be resorted to without in the least departing from the scope of my claims; which are—

1. A gutter hanger including a pair of elements one to underlie the gutter to support the same and the other to overlie the gutter to assist in supporting the same, temporary securing means including the underlying element and adapted to permit temporary attachment of the gutter to a supporting member, permanent securing means including the overlying element to permit subsequent permanent attachment of the gutter to said supporting member, and means forming a part of said overlying element for locking said temporary securing means in position, said temporary securing means having a hole in said underlying element and said permanent securing means having a hole in said overlying element registering with said hole in the underlying element, through which holes a single screw may be passed to engage said supporting member.

2. A gutter hanger including a pair of elements one to underlie the gutter to support the same and the other to overlie the gutter to assist in supporting the same, temporary securing means including the underlying element and adapted to permit temporary attachment of the gutter to a supporting member, permanent securing means including the overlying element to permit subsequent permanent attachment of the gutter to said supporting member, and means forming a part of said overlying element for locking said temporary securing means in position, said temporary securing means having a hole in said underlying element and said permanent securing means having a hole in said overlying element registering with said hole in the underlying element through which holes a single screw may be passed to engage said supporting member, said temporary securing means having a second hole in the underlying element through which a nail may be passed to engage said supporting member and the overlying element including a portion to overlie the head of such nail when the first-mentioned holes are brought into registry for the passage therethrough of such screw.

CHARLES MEUNIER.