

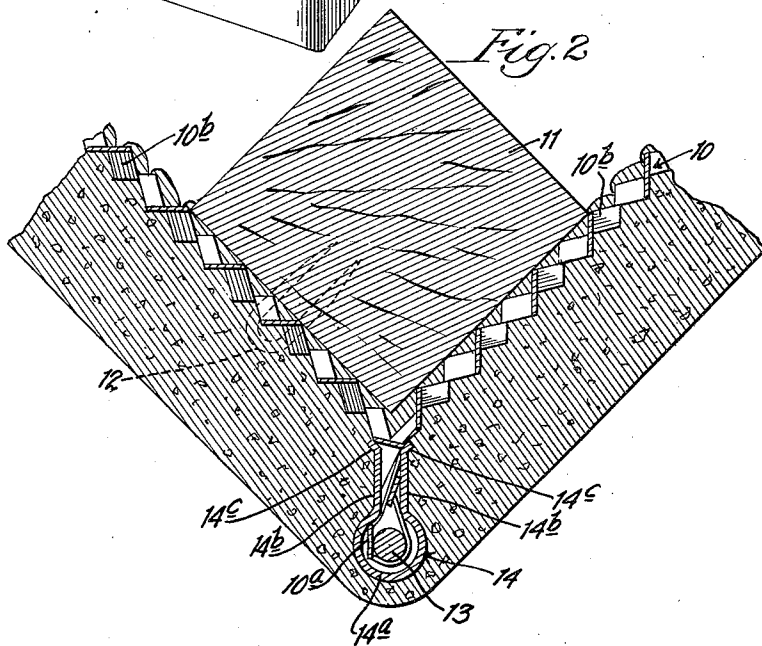
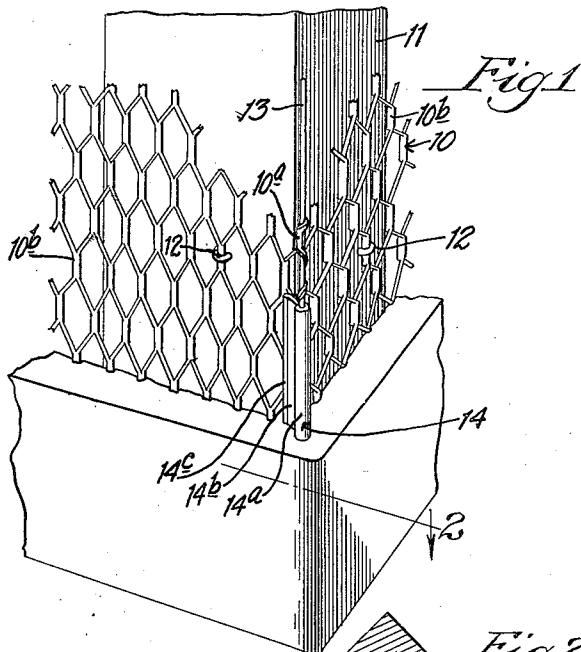
July 1, 1930.

J. R. WINTER

1,769,813

CORNER BEAD

Filed March 1, 1929



Inventor:  
John R. Winter,  
By *Dyckhoff & Co.*  
Attys.

# UNITED STATES PATENT OFFICE

JOHN R. WINTER, OF WARREN, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNITED STATES GYPSUM COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

## CORNER BEAD

Application filed March 1, 1929. Serial No. 343,985.

This invention relates to improvements in corner beads and, more especially, to a metal corner bead that may be easily and cheaply manufactured, and which is strong and durable.

In the manufacture of corner beads heretofore, it always has been a problem to make the product properly and, at the same time, to get enough material in the head to make the same rigid and stiff, leaving the wings sufficiently flexible to permit the attachment of the corner bead. This problem has been solved by my invention, which incorporates a light piece of expanded metal for the wings, said metal being bent on a longitudinal median line to form a projecting folded edge. Inside of this edge, there is laid a wire and a strip of sheet metal is crimped over the folded edge holding the wire therein. This makes a very stiff bead because it permits the use of a narrow strip of heavy material which, when reinforced by the wire, gives an exceedingly stiff product, and also locks the mesh in the head of the bead.

Another feature of my invention is the ability to use non-rusting metals, such as zinc or copper, for the nose or bead, and still use steel for the wings. In warm, moist climates, it is advisable to use a non-rusting metal at the exact corner, although such metal is ordinarily too expensive to permit its use in the construction of the entire device.

Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention shown in the accompanying drawings, Figure 1 is a view in perspective; and Fig. 2 is a view taken as indicated by the line 2 of Fig. 1.

As shown in the drawings, the corner bead includes a strip of expanded metal, as indicated by 10, bent on a longitudinal median line, as indicated by 10<sup>a</sup>, to form two wing portions 10<sup>b</sup>, 10<sup>b</sup> adapted to be nailed to the studding or wall 11 in any convenient manner, as, for example, by means of the staples 12.

The expanded metal, being bent at 10<sup>a</sup>,

forms there a projecting folded edge, and inside of this folded edge there is placed a wire 13, said wire being held therein by means of a strip of sheet metal 14 crimped over the folded edge 10<sup>a</sup>. The sheet metal 14 has a rounded outer edge 14<sup>a</sup> with two inwardly projecting, substantially parallel marginal portions 14<sup>b</sup>, 14<sup>b</sup>, the extreme inner edges thereof being flared outwardly slightly, as indicated by 14<sup>c</sup>, 14<sup>c</sup>.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inheret in my invention as broadly as possible, in view of the prior art.

What I regard as new, and desire to secure by Letters Patent, is:

1. A corner bead including, a strip of expanded metal bent on a longitudinal line to form two wing portions substantially at right angles to each other and a projecting folded edge, a wire lying inside of the folded edge, and a strip of sheet metal crimped over the folded edge and holding said wire therein.

2. A corner bead including, a strip of expanded metal bent on a longitudinal median line to form two wing portions substantially at right angles to each other and a projecting folded edge, a wire lying inside of the folded edge, and a strip of sheet metal crimped over the folded edge and holding said wire therein.

3. A corner bead as claimed in claim 1, in which the sheet metal is provided with a rounded outer edge and with two inwardly projecting, substantially parallel marginal portions.

4. A corner bead as claimed in claim 1, in which the sheet metal is provided with a rounded outer edge and with two inwardly projecting, substantially parallel marginal portions, the extreme inner edges of said portions being flared outwardly.

In testimony whereof, I have hereunto set my hand this 21st day of February, 1929.

JOHN R. WINTER. 100