

March 5, 1946.

P. L. CONAWAY

2,396,086

ATTACHING MEANS FOR DOWNSPOUT OR CONDUCTOR PIPE

Filed May 18, 1944

2 Sheets-Sheet 1

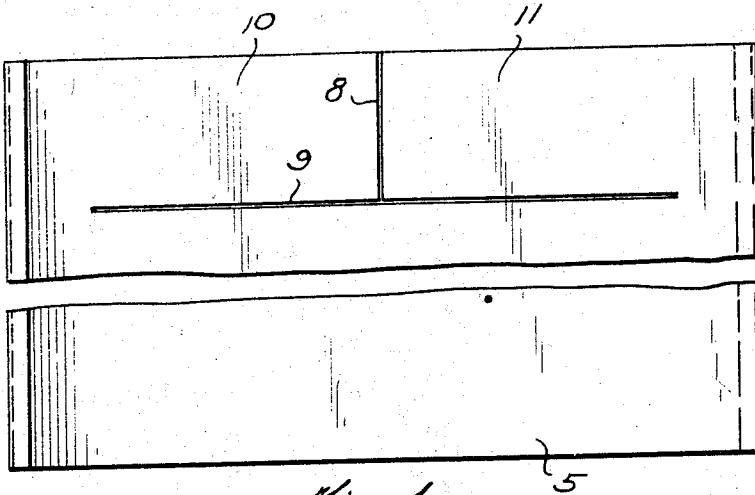


Fig. 1.

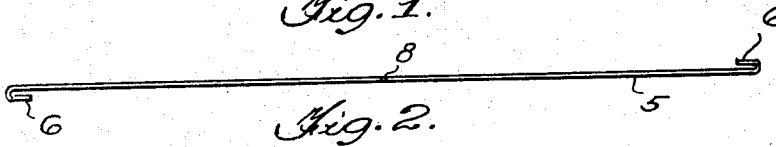


Fig. 2.

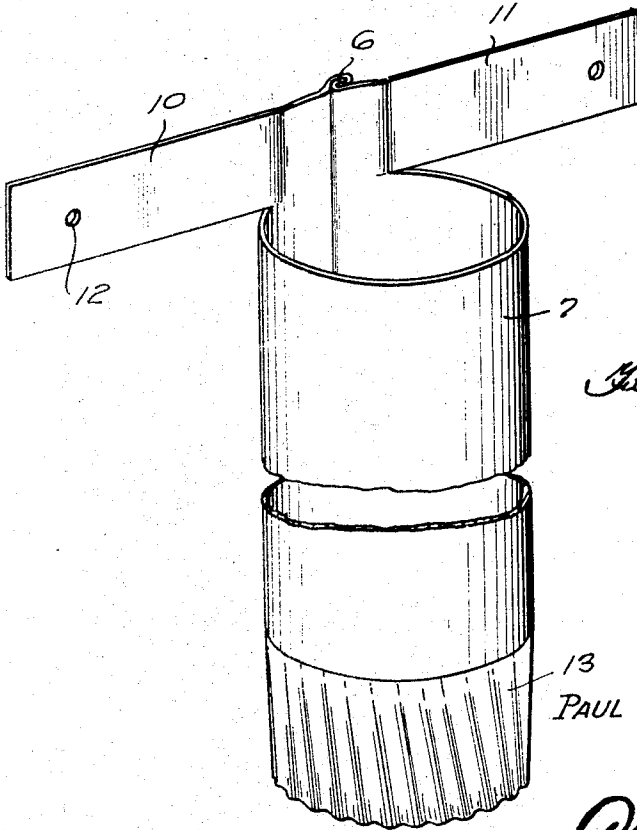


Fig. 3.

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2 Sheets-Sheet 2

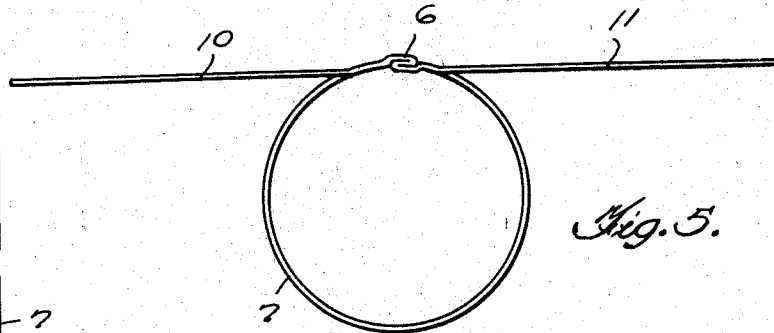
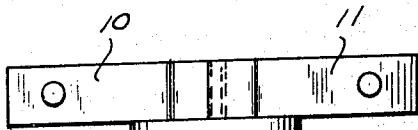


Fig. 5.

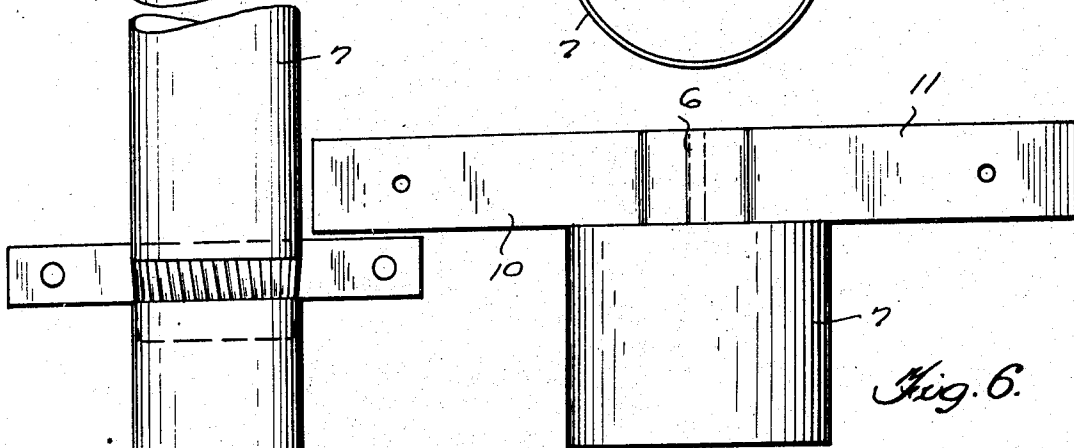


Fig. 6.

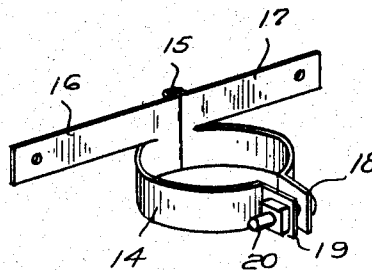


Fig. 7.

Fig. 4.

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UNITED STATES PATENT OFFICE

2,396,086

ATTACHING MEANS FOR DOWNSPOUT
OR CONDUCTOR PIPE

Paul Leroy Conaway, Wellsburg, W. Va.

Application May 18, 1944, Serial No. 536,178

1 Claim. (Cl. 285-209)

The present invention relates to new and useful improvements in downspouting or conductor pipes made from sheet metal and has for its primary object to provide means for attaching the spouting or pipe to the side of a building or other supporting structure.

More specifically, the invention embodies the formation of attaching wings at the edges of the section of the downspouting or conductor pipe and formed of the spouting or pipe material.

A further object is to provide an article of this character of simple and practical construction, which is strong and durable, inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a plan view of the blank from which the downspouting or conductor pipe section is formed.

Figure 2 is an edge elevational view thereof showing the interlocking edges for the spouting or pipe section.

Figure 3 is a perspective view of one section of the pipe with the attaching wings formed thereon.

Figure 4 is a view in elevation showing the section of the downspouting or conductor pipe in assembled relation.

Figure 5 is a top plan view.

Figure 6 is a front elevational view of a short length of spouting.

Figure 7 is a perspective view of a clamping member for the downspouting or conductor pipe and constructed in accordance with my invention.

Referring now to the drawings in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention the numeral 5 designates a sheet of light weight metal having its side edges bent inwardly at the opposite sides of the sheet of metal to form interlocking flanges 6 when the material is rolled into cylindrical form to form a section of downspouting or conductor pipe as shown at 7 in Figure 3.

The upper edge of the sheet metal at a point intermediate its side edges is cut along a vertical line as shown at 8 communicating with a cut

9 extending parallel to the upper edge of the sheet of metal and extending in opposite directions from the vertical cut 8, the ends of the cut 9 terminating short of the side edges of the material to form a pair of wings 10 and 11 adapted to be bent outwardly in opposite directions from their connected edges and extending in a common plane for placing flatly against the wall of a building or other structure for attaching the downspouting or conductor pipe section 7 thereto by means of nails or other fastening devices (not shown) adapted for insertion in openings 12 adjacent the ends of the respective wing members.

The lower end of the section 7 is tapered as shown at 13 and adapted for telescoping engagement within the upper end of an adjacent lower section for connecting the sections in extended relation.

If desired a clamping member shown in detail in Figure 7 of the drawings may be employed for clamping the section 7 to the wall of the building, the clamping member comprising a split ring 14 the sections of the ring being connected to each other by the interlocking flanges 15 and the upper edge of the ring having the wings 16 and 17 formed thereon as heretofore described. The ring member 14 is slit at its side diametrically opposite from its interlocking connection to form spaced parallel flanges 18 and 19 detachably connected by a bolt nut 20.

It is believed that the details of construction and manner of use of the device will be readily understood from the foregoing without further detailed explanation.

Having described the invention, what is claimed as new is:

A pipe section formed of sheet material adapted to be rolled in cylindrical form and having its side edges connected together, said section being cut vertically and horizontally at its side diametrically opposite from its connected edges to form a pair of oppositely extending wings, above the horizontal cut said wings being disposed coplanar and adapted for positioning against a supporting structure for attaching the section thereto, and means for detachably connecting the edges of said vertical cut below said horizontal cut.

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