Oct. 28, 1924. 1,513,673

J. H. PEARSON

ROOFING TROUGH

Filed Aug. 11, 1923

Fig. 1.

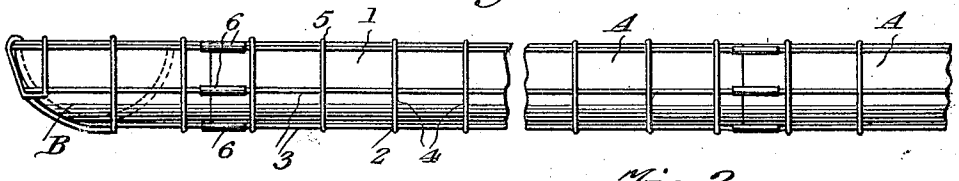


Fig. 3.

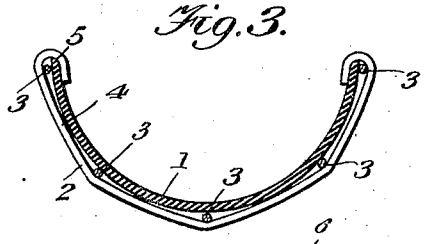


Fig. 2.

Fig. 4.

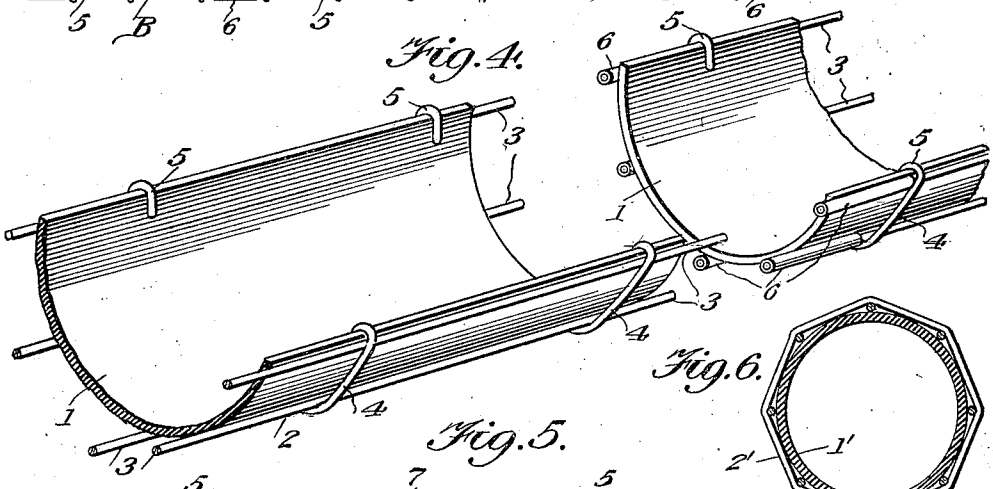
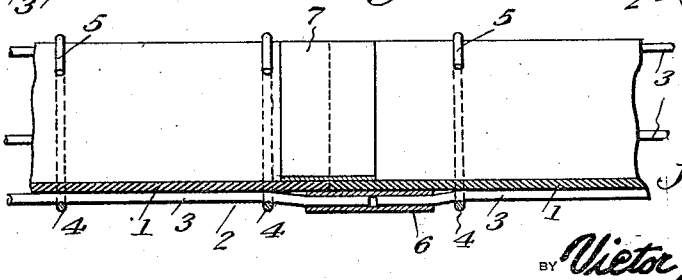


Fig. 6.

Fig. 5.



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UNITED STATES PATENT OFFICE.

JAMES H. PEARSON, OF BLOOMFIELD, INDIANA.

ROOFING TROUGH.

Application filed August 11, 1923. Serial No. 656,786.

To all whom it may concern:

Be it known that I, JAMES H. PEARSON, a citizen of the United States, residing at Bloomfield, in the county of Greene and State of Indiana, have invented new and useful Improvements in Roofing Troughs, of which the following is a specification.

The principal object of this invention is to form gutters and down-spouts for buildings of composition roofing material with a reinforcing wire frame, so that the gutters and spouts will have great wearing qualities and can be manufactured to sell at low cost.

Another object of the invention is to provide simple means for connecting together the sections and elbows.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view of several sections of the improved gutter, two of the sections being connected together by an elbow.

Figure 2 is a plan view of Figure 1.

Figure 3 is a transverse sectional view.

Figure 4 is a perspective view showing the manner of connecting together two sections.

Figure 5 is a longitudinal sectional view through a pair of connected sections.

Figure 6 is a transverse sectional view through a down-spout.

As shown in these views, the gutter sections are each composed of a body 1 of composition roofing material, such as felt treated with asphalt, and a reinforcing frame 2 which is formed of the longitudinally extending wires 3 and the transversely arranged wires 4. This frame is preferably made similar to a woven wire fence though it may be made in any other suitable manner. The ends of the transversely arranged wires 4 are bent over into engagement with the edges of the body 1, as shown at 5, so that the body is firmly clamped to the frame and thus the frame will impart rigidity to the body and strengthen the same. The sections are shown at A, in Figures 1 and 2, and an elbow is shown at B in these figures. The elbows are made similar to the straight sections and the sections and elbows are connected together by means of the thimbles or sleeves 6 receiving the ends of the longitudinally extending wires 3 with the ends of the bodies 1 abutting. Strip 7, of the same material from which the bodies are made, are cemented on the ends of the bodies to provide an overlapping joint and prevent leakage at the joints.

Figure 6 shows a down-spout constructed in accordance with this invention and in this figure the body 1′, formed of composition roofing material, is made in the form of a tube and the reinforcing frame 2′ extends entirely around the tube, as shown.

From the foregoing it will be seen that I have produced a gutter and downspout, each of which is formed of composition roofing material and a reinforcing frame so that the article will have great wearing qualities as it will not rust out as when formed from tin, and it can be manufactured to sell at low cost. The article can be put in place the same as in ordinary gutter or downspout and the articles can be made in various sizes and shapes to suit the conditions for which they are designed.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

An eave trough comprising a plurality of sections, each composed of a body of composition roofing material and a reinforcing frame of transversely and longitudinally extending wires, the ends of the transversely extending wires being bent over into engagement with the edges of the body, thimbles connecting the ends of the longitudinally extending wires together and an overlapping strip cemented to the abutting ends of the bodies.

In testimony whereof I affix my signature.

JAMES H. PEARSON.