

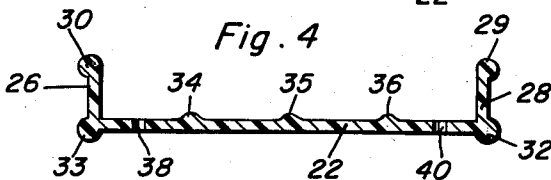
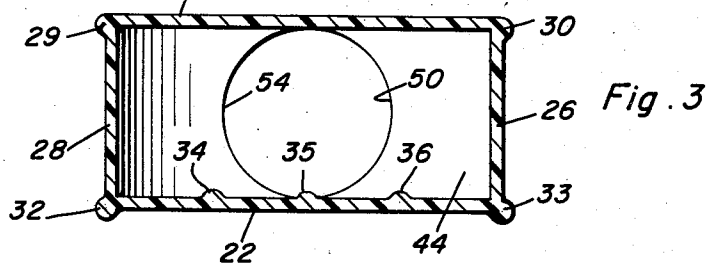
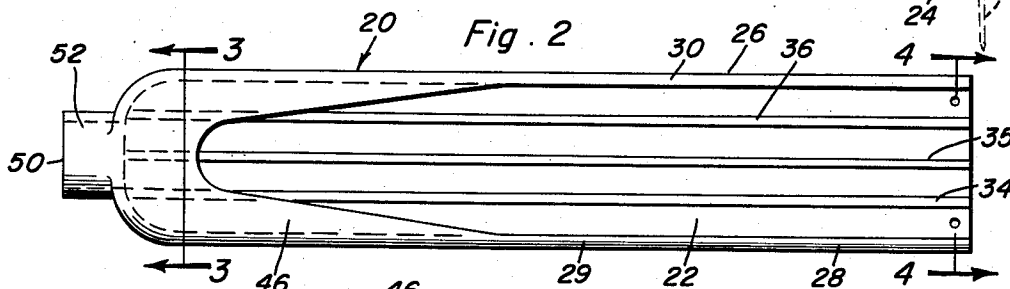
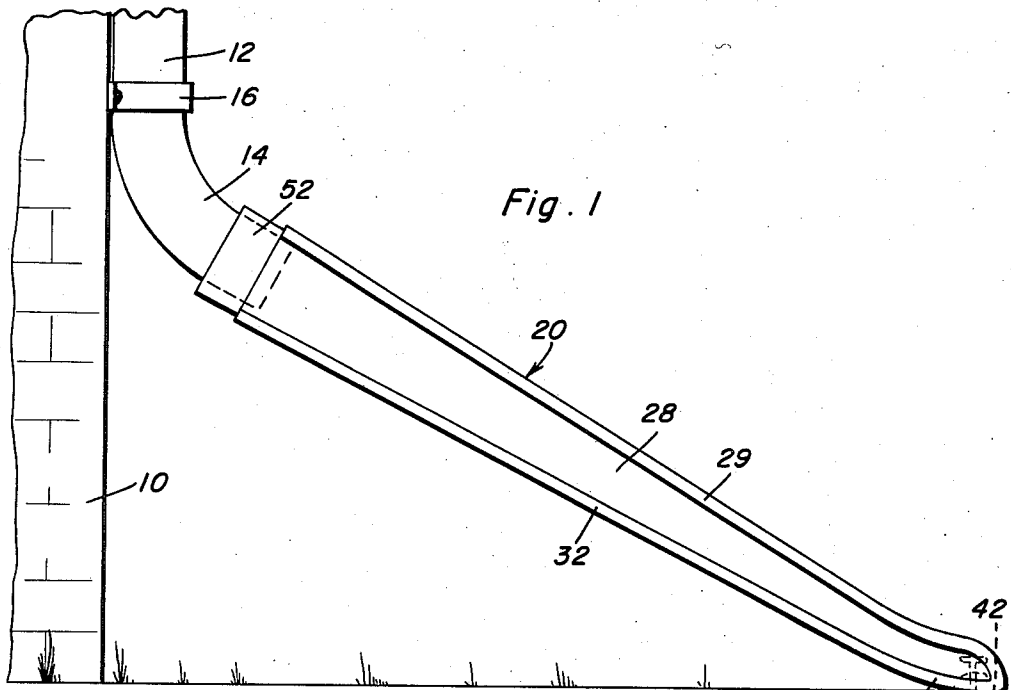
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WATER CONDUCTING DOWNSPOUT ATTACHMENT

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1

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WATER CONDUCTING DOWNSPOUT ATTACHMENT

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6 Claims. (Cl. 138—46.5)

This invention relates to an attachment for a downspout and more particularly to an attachment by which the water discharged from the downspout is conducted away from the edge of the building supporting the downspout in order to prevent the seeping of rainwater through the walls or beneath the foundation of a house or other building.

An object of the invention is to provide an improved attachment for the downspout of a house or other building, the attachment being fitted onto the end of the downspout and thereby obtaining part of the support for the attachment. The attachment has a base with sides which form a table along which the water discharged from the downspout is conducted to a location which is remote from the downspout and building which supports the downspout.

A further object of the invention is to provide an attachment for a downspout of the type described above, the attachment also having a splash guard at the top thereof which is superposed with respect to a part of the bottom of the attachment and which functions to direct the water in the proper general direction when water discharged from the downspout is being conducted at a high rate, as during a freshet.

One of the important features of the invention is the manner of assembling the attachment on the end of the downspout. There are means at one end of the attachment which fit over the downspout end, together with pegs, nails or the like at the opposite end which are passed through holes provided in the attachment and into the soil. Therefore, there is no critical adjustment, but yet the attachment, once applied, cannot help but be in the proper disposition with respect to the discharge end of the downspout. Other means to drain off water from the end of the downspout of which I am aware have no connection with the downspout, relying wholly on the judgment of the laborer to install the same in the proper position. Moreover, when the prior splash blocks are installed, it is possible that they may be moved and thereby at least in part reducing the effectiveness thereof. My attachment for the downspout overcomes these difficulties automatically by the nature of the construction of the attachment.

Other objects and features of importance will become apparent in following the description of the illustrated form of the invention.

Figure 1 is an elevational side view of my attachment showing the same applied to a downspout in accordance with the invention;

Figure 2 is a top view of the attachment in Figure 1;

Figure 3 is a transverse sectional view taken on the line 3—3 of Figure 2 and on enlarged scale; and

Figure 4 is a transverse sectional view on enlarged scale taken on the line 4—4 of Figure 2.

In the accompanying drawing there is a building 10 which has a downspout 12 with the customary elbow 14 at the lower extremity thereof. Strap 16 is shown as one of numerous means for attaching the downspout 12

2

in place. Ordinarily, as shown, the elbow 14 is turned away from the building 10, but this is often insufficient to prevent water from seeping down alongside the building foundation with subsequent undesirable effects, including seepage through the wall or under the wall and into the building.

Attachment 20 which is constructed in accordance with the invention is made of a commercially available plastic, such as polystyrene, polyethylene or many others. It is within the purview of the invention to have attachment 20 constructed of other materials, for example, metal. In any case, the structure will be very similar to the illustrated plastic model. Attachment 20 has a bottom wall 22 which forms a floor over which to shed the water which is discharged from downspout 12. The bottom is essentially rectangular in planform and has a lower curved extremity 24 when viewed in longitudinal section. This is to enable the lower end of the attachment to fit rather flush against the sod, soil or other supporting surface. Sides or side walls 26 and 28 rise from the longitudinal edges of the bottom wall 22 and have reinforcing beads 29 and 30 at the upper extremities thereof, together with similar reinforcing beads 32 and 33 at the lower edges thereof. Flow-straightening, upwardly rising, longitudinal ribs 34, 35 and 36 extend from the upper end to the lower end of the bottom wall 22.

There are two holes 38 and 40 at the lower extremity 24 of the bottom wall 22 in which to accommodate pegs, spikes 42, nails or the like. These are used to anchor the outer end only of the attachment 20.

The upper end wall 44 of the attachment is integrally formed with or otherwise attached to the side walls 26 and 28 and the bottom wall 22. Wall 44 is smoothly curved to enhance the appearance of the attachment 20 and also to divert the water down the inclined surface of the bottom wall 22. Upper water shield 46 in the form of a panel is attached to the upper edges of the side walls 26 and 28 extending completely across the same in the region of the water inlet 50 and then tapering outwardly to zero where the splash shield 46 merges with beads 30 and 29.

Water inlet 50 is made of a collar 52 which registers with a hole 54 in wall 44. The collar is shaped to conform to the cross sectional shape and size of the downspout elbow 14. In addition, it is within the contemplation of the invention to make the collar 52 quite flexible and to provide a strap or some other fastener of a like nature in connection with it so that it will be adjustable to suit various sized downspouts, thereby making my attachment universally applicable to different diameters and configurations of downspouts.

In assembling attachment 20, collar 52 is slipped over the end of the elbow 14. Then the spikes 42 are driven through the holes 38 and 40, thereby automatically positioning the attachment. The higher end of the attachment is supported by the downspout, while the lower end rests on the ground, but is prevented from sliding in any direction by spikes 42. This very firmly and effectively applies the attachment so that it cannot be moved inadvertently.

It is understood that various changes may be made without departing from the scope of the following claims.

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

1. An attachment for a building supported downspout, said attachment comprising a substantially flat bottom wall which forms a table over which water from the downspout is adapted to be conducted, a plurality of flow directing longitudinal ribs rising upwardly from the upper surface of said bottom wall, means for fastening one end of said wall to said downspout in order to posi-

3

tion said wall in registry with said, downspout and to at least partially support said wall at an angle so that the water flows down said bottom wall, said means for attaching said wall to the downspout including a collar adapted to telescopically connect to the downspout, an end wall rising from said bottom wall and having a hole, said collar being attached to said end wall and in registry with said hole.

2. The attachment of claim 1 wherein said bottom wall has sides which rise therefrom at its edges and which are attached to said end wall, and a splash guard extending across part of said side walls and attached to said end wall.

3. An attachment for a building supported downspout, said attachment comprising a flat bottom wall which forms a table over which water from the downspout is adapted to be conducted, means at one end of said wall by which to accommodate anchors to fasten said wall in place, means at the opposite end of said wall for fastening said opposite end of said wall to said downspout in order to position said wall in registry with said downspout and to at least partially support said wall, said means for attaching said wall to the downspout including a collar, an end wall rising from said bottom wall and having a hole, said collar being attached to said end wall and in registry with said hole, and a splash guard attached to the upper edge of said end wall and superposed over a part of said bottom wall.

4. An attachment for a downspout to drain water therefrom, said attachment comprising a bottom wall having a water discharge end and a water inlet end, means for anchoring said water discharge end, means to support the water inlet end of said wall at a higher elevation than said discharge end, the improvement comprising a shield extending across said inlet end of said panel and spaced therefrom by which to prevent overflow of water from said bottom wall, and sides attached be-

4

tween said bottom wall and said shield, said means for supporting said inlet end at a higher elevation than said discharge end including a collar which is adapted to be secured to the downspout, an end wall extending between said sides, said shield and said bottom wall and having said collar attached thereto.

5. An attachment for a downspout to drain water therefrom, said attachment comprising a substantially flat bottom wall having a water discharge end and a water inlet end, means for anchoring said water discharge end, means to support the water inlet end of said wall at a higher elevation than said discharge end, the improvement comprising an end wall attached to and rising upwardly from said inlet end and having an aperture, substantially flat side walls attached at approximately right angles to said end wall and said bottom wall, an upper panel covering the water inlet end of said bottom wall and attached to the upper edges of said side walls and end wall, said means for holding said bottom wall with said inlet and at a higher elevation than said discharge end comprising a collar registered with said aperture in said end wall and adapted to connect to the downspout, the discharge end of said bottom wall being upwardly curved slightly so that the discharge end of the attachment fits generally flush against its supporting surface.

6. The attachment of claim 5 wherein said means to anchor the discharge end of said bottom wall includes at least one spike passed through said bottom wall.

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