

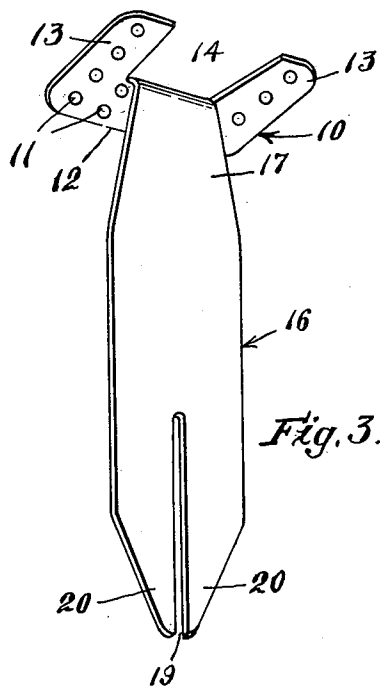
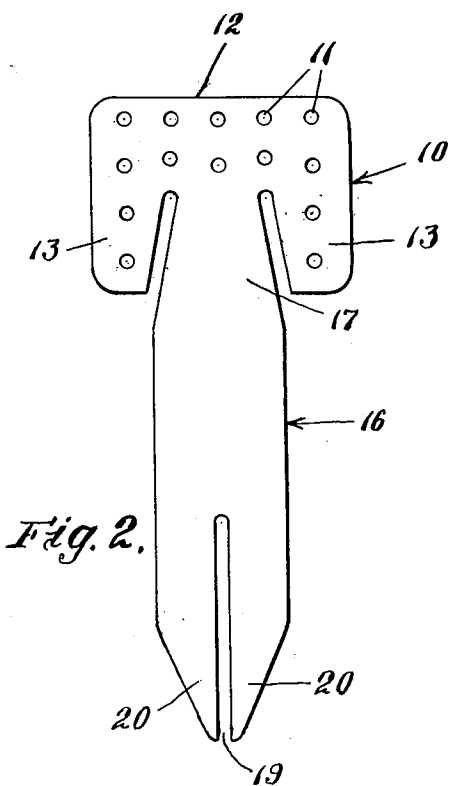
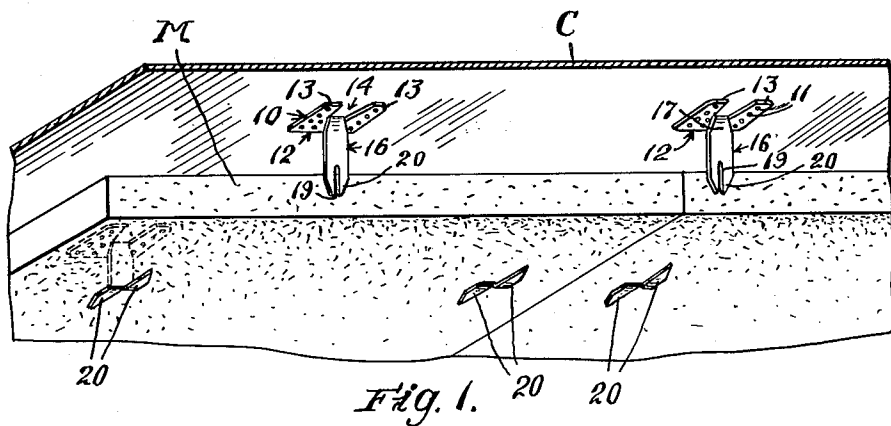
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SUPPORTING CLIP

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SUPPORTING CLIP

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3 Claims. (Cl. 85-11)

This invention relates to clips or fasteners, particularly to those which are first positioned and then bent or otherwise displaced to hold material, such as insulation, in a predetermined position.

One object of my invention is to provide an improved clip which can be attached to and suspended from a ceiling or wall, and which has fingers that can be inserted through the material and then bent over to hold said material in place.

Another object is to provide such a clip that is relatively light in weight, is inexpensive to manufacture and is economical of material in forming it.

Still another object is to so form said clip that it can be placed in position and attached to a ceiling or wall in the form it was produced in, and portions of it then readily bent to the desired positions.

The foregoing and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction such as is disclosed by the drawing and specification. The nature of the invention is such as to render it susceptible to changes and modifications, and, therefore, I am not to be limited to said disclosure; but am entitled to all such changes therefrom as fall within the scope of my claims.

In the drawing:

Figure 1 is a perspective view showing my clips adhering to and extending downwardly from a ceiling, some of which clips extend through insulation and have their fingers bent to hold said insulation in place, while other clips are shown unbent.

Figure 2 is a plan view of my clip as formed by the die.

Figure 3 is a perspective view of my clip after the shank has been bent at an angle to the base.

As illustrated, my clip has a base or anchoring plate 10 which has a number of holes or perforations 11 therein. It consists of a main portion 12 from which two arms 13 extend that have a space 14 between them. In use this base 10 is cemented directly to a ceiling C or wall. Said holes 11 permit access of air to the cement thus promoting evaporation of the solvents therein.

Extending from the center of said base 10 is a shank 16 having a lower portion 17 that tapers downwardly in width being narrowest at said base. This assures that the bending will naturally occur where said shank lower portion 17 meets said base 10 because this is the narrowest and, therefore, the weakest point.

Said shank 16 has a slit 19 running from its outside end inwardly thus dividing said shank end portion into two fingers 20. While part of the shank could be so bent without dividing it into fingers, the latter enable it to be bent in opposite directions.

In using my clip said base 10 is cemented to the ceiling C or wall. The shank 16 could be bent outwardly at a right angle to said base before the latter is cemented to the ceiling, or it may be so cemented in the form it is in when struck out by the die, namely with the whole clip perfectly flat. When the shank 16 extends through the insulating material M the fingers 20 are bent at substantially right angles to the remainder of said shank as illustrated in Figure 1 of the drawing to hold said material in place.

By providing a clip that is made of a single piece of material, preferably sheet metal, the cost of production is kept at a minimum since it can be stamped out rapidly with dies in the form shown in Figure 2 of the drawing and the shank 16 readily bent at an angle to said base 10 in the form shown in Figure 3 of the drawing.

What I claim is:

1. A construction clip to hold insulating material comprising an attaching wall base and a shank integral with said base adapted to penetrate insulation and having a split outside end portion the two opposite parts of which are adapted to be bent at an angle to the adjoining portion of said shank, said base embodying a main portion and two arms spaced apart, said shank being positioned between said arms, said shank having a portion tapering in width from an intermediate point therein to where it joins said base, the length of the tapered portion being greater than the distance from the outside end extremities of said arms inwardly to where said shank joins said base, the length of said shank being greater than the maximum distance between any two opposite extremities of said base, the area occupied by said arms being at least equal to the area of the space between them.

2. A construction clip to hold insulating material against a wall or ceiling comprising a flat base all of which is adapted to bear against said wall or ceiling, and a shank integral with said base adapted to penetrate insulation which is adapted to be bent at an angle to the adjoining portion of said shank, said base embodying a main portion and two arms spaced apart said shank positioned between said arms, all the area of said arms being adapted to bear against a wall

or ceiling and being greater than the area of the space between them.

3. A construction clip to hold insulating material comprising an attaching wall base all of which is adapted to bear against a wall or ceiling, and a shank connected to said base that is adapted to penetrate insulation and having a split outside end portion the two opposite parts of which are adapted to be bent at an angle to the adjoining portion of said shank, said base embodying a main portion and two arms spaced

5 apart, said shank being positioned between said arms, said shank having a portion tapering in width from an intermediate point therein to where it joins said base, the length of said shank being greater than the maximum distance between any two opposite extremities of said base, all of the area occupied by said arms being adapted to bear against a wall or ceiling and being at least equal to the area of the space between them. 10

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