

UNITED STATES PATENT OFFICE

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METAL NAILING STRIP

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This invention relates to a nailing strip of that type adapted to be embedded in a concrete structure with a portion exposed to receive nails whereby flooring or the like may be fastened in place. Heretofore it has been the practice to use wood strips for this purpose but these soon rot or are otherwise rendered inefficient. It is an object of the present invention to provide an all-metal nailing strip which can be readily embedded in the concrete and, when thus positioned, will not deteriorate because of moisture, this being due to the fact that air is free to circulate through the strip.

It is another object to provide the strip with efficient means for engaging barbed nails used for fastening flooring and the like to the structure, it being impossible to remove the nails without the exertion of excessive force tending to distort that portion of the strip engaging the nails.

A further object is to provide a means whereby the nail will be held securely at any point to which it might be driven into the strip.

A still further object is to provide a device of this character in which screws may be used as readily as nails.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawing the preferred form of the invention has been shown.

In said drawings,

Figure 1 is a section through the structure constituting the present invention, the said strip being shown embedded in a concrete structure with a layer of wood fastened there-
to by means of a nail.

Figure 2 is a perspective view of a portion of the strip.

Referring to the figures by characters of reference, 1 designates the bottom of the nail-

ing strip from which are extended upwardly converging flat sides 2 and 3, the side 2 having an outwardly rolled edge 4 whereby it is reinforced longitudinally. The top of the nailing strip is made integral with the side 3 and is normally extended close to the rolled edge 4. This top 5 is formed with parallel slits 6 that divide the top into narrow resilient fingers 7 the free edges of which are preferably tapered to form biting edges as indicated at 8.

The entire strip, including the bottom 1, walls 2 and 3, and top 5, is formed in a single sheet of metal, this metal being of a resilient nature and, if desired, being galvanized so as to resist the action of moisture.

In practice the strip is placed in the concrete form and the concrete, indicated at C, is poured at the sides thereof so that the top of the concrete will be flush with the narrow top of the strip as shown particularly in Figure 1. The strip of wood or the like indicated at S to be fastened on the concrete C is placed in position and a barbed nail N is driven downwardly through the strip S and against the top of the nailing strip. The nail will come against one of the fingers 7 and depress it until the edge 8 thereof comes into engagement with the side of the nail whereupon it will bite thereinto and hold the nail against withdrawal. Obviously, the nail can be driven as far as desired and will be held securely by the finger engaging it.

Instead of using nails, screws can be used and these will be engaged and held by the fingers in the same manner as the nails.

By providing the outturned edge 4 the same will constitute a deflector for guiding a nail or the like into the strip provided to receive it.

While this structure has been described as designed primarily for use in fastening flooring to concrete surfaces, it is to be understood that it can be used wherever strips of material are to be attached to the exposed face of a concrete structure. As the sides 2 and 3 converge within the concrete, the strip will be held securely anchored. Those fingers 7 not depressed by fastening means will serve to hold the walls 2 and 3 properly spaced

apart so that the strip will not become loosened in the concrete.

What is claimed is:

1. An all-metal nailing strip having converging sides, and a series of fingers integral with one of the sides and normally bridging the space therebetween, any one of said fingers being adapted to be shifted into the strip by an inserted fastening device and to engage and hold said device.

2. A nailing strip formed of a single piece of resilient sheet metal bent to provide a bottom and converging sides, and a plurality of closely-lying resilient fingers integral with one of the sides and normally bridging the space between the sides to constitute spacing elements, any one of said fingers being depressible by an inserted fastening device and constituting means for engaging and holding said device against withdrawal from the strip.

3. A nailing strip formed in a single piece of resilient sheet metal bent to provide a base, converging sides, and a top normally bridging the space between the sides, said top being separate from one of the sides but integral with the other side and having a plurality of slits dividing the top into separately depressible fingers, said fingers cooperating with the upper portion of the opposed side to constitute fastener gripping means.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

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