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2,298,983

PREFABRICATED TILE SHEATHING

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Fig. 1.

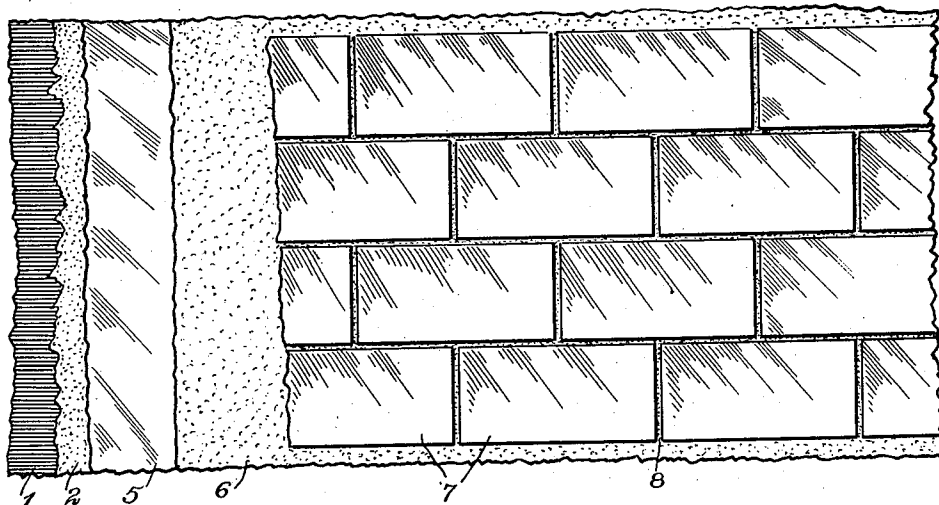


Fig. 2.

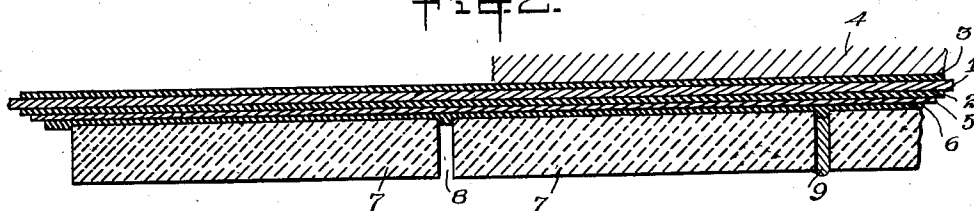
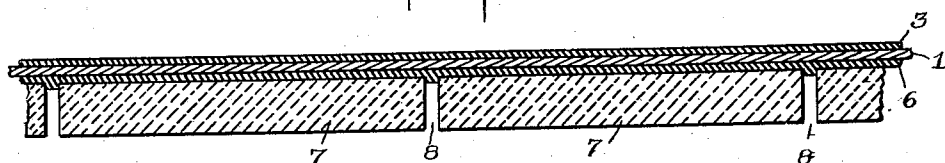


Fig. 3.



WITNESSES

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PREFABRICATED TILE SHEATHING

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2 Claims. (Cl. 72-22)

This invention relates to a prefabricated tile sheathing and has for an object to provide an improved construction wherein tile may be arranged on a suitable sheet support and then the support with the tile thereon secured to a wall or other surface.

Another object of the invention is to provide an improved prefabricated tile sheathing structure which is adapted to be manufactured in a factory and sold in sheets to workers who will apply the same to walls, floors, or other places where tiles are desired.

An additional object of the invention is to provide an improved prefabricated tile structure wherein the supporting structure of the tile is flexible, whereby the same may be curved either slightly or to a large extent so as to readily fit various configurations of walls.

In the accompanying drawing—

Fig. 1 is a fragmentary elevation of a prefabricated tile sheathing disclosing an embodiment of the invention;

Fig. 2 is an enlarged fragmentary sectional view through a prefabricated tile sheathing embodying the invention, part of the same being shown as applied to a wall;

Fig. 3 is a view similar to Fig. 2 but showing a slightly modified construction.

In applying tile to the walls of a bathroom, or to other walls, it has been customary heretofore to prepare the wall and then to apply the individual tile by hand. While this method of applying tile produces satisfactory results it is expensive and requires expert workers to produce a satisfactory job. In the present invention it is intended to have workers at the factory apply or arrange tile on a suitable support which is a specific waterproof structure and which may then be applied to the wall in large or small sheets by either expert workers or workers who may not be considered expert.

As shown in the accompanying drawing, each prefabricated tile sheathing is provided with a support 1 which may be almost any kind of material but which is preferably a flexible sheet material. For instance, fiber board, a thin sheet of wood, strong paper, fabric, and sheet cord have proven satisfactory in various cases. Strong paper is considered usually the most satisfactory as it may be waterproofed by various methods and possesses a desired strength and flexibility.

The sheet material support 1, as shown in Fig. 2, may or may not be waterproofed because there is provided a layer 2 of waterproof adhesive on one surface and a layer 3 of waterproof adhesive on the other surface. The layer of adhesive 3 is adapted to secure the sheathing to the wall 4. Arranged on the outer surface of the adhesive 2

is a flexible waterproof sheet 5, which may be of any desired material, as for instance, what is known on the market as "Pliofilm." On the other surface of the waterproof sheet 5 is a layer 6 of waterproof adhesive. The adhesive 6 is sufficiently thick to permit the various tile 7 to be partly embedded therein, whereby the tile are firmly secured in place. The layer 3 of adhesive may be applied at the factory or may be applied at the place where the sheathing is to be placed on the wall. Also, if desired, a thin coating of the adhesive may be applied to the wall so as to be sure that the sheathing is firmly connected to the wall. As soon as the adhesive dries it becomes reasonably hard and will properly support the tile so that the finished job will appear as if it had been placed on the wall by hand. Before the job is finished, however, the worker places cement, waterproof compound or mastic in the various spaces 8 between the tile so that the filling in the spaces may be slightly depressed, even or flush with the surface of the tile, or a slight protuberance may be allowed, as indicated at 9 in Fig. 2, so that the appearance will be that of individually laid tile. The various layers of adhesive may be of any desired waterproof or substantially waterproof adhesive now on the market. An adhesive on the market known as mastic is a desirable adhesive and is well known to persons in the business of laying tile.

In Fig. 3 a slightly modified structure is provided wherein the flexible sheet support 1 is used and the adhesive layers 3 and 6 are provided. However, the flexible sheet 5 is eliminated. It will be seen, therefore, that the layers 2 and 5 of Fig. 2 have been eliminated and the layer 6 of adhesive takes the place of both layers 2 and 5 of Fig. 2.

While the flexible sheet 1 is preferably formed either of waterproof material or waterproofed in any well-known way, it may be used without waterproofing and not depart from the spirit of the invention as the adhesive is waterproof or substantially waterproof when it becomes set.

I claim:

1. A prefabricated tile sheathing including a sheet material support, a primary layer of adhesive on one surface of said support, a flexible sheet material waterproofing member engaging said primary layer of adhesive flatwise, a secondary layer of self-hardening adhesive on the surface of said waterproofing member, and tile partly embedded in said secondary layer of adhesive.

2. A prefabricated tile sheathing as set forth in claim 1, characterized by a flexible sheet of paper functioning as the sheet material support.

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