Oct. 11, 1927. 1,645,214

E. G. BARRATT

TILE

Filed Aug. 11, 1925

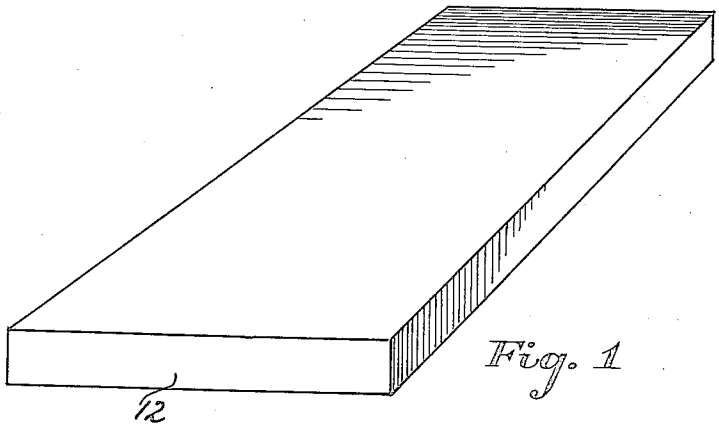

Fig. 1

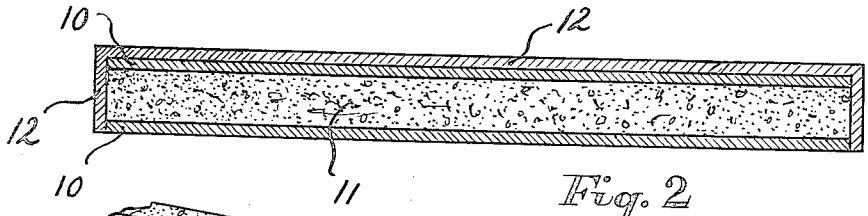

Fig. 2

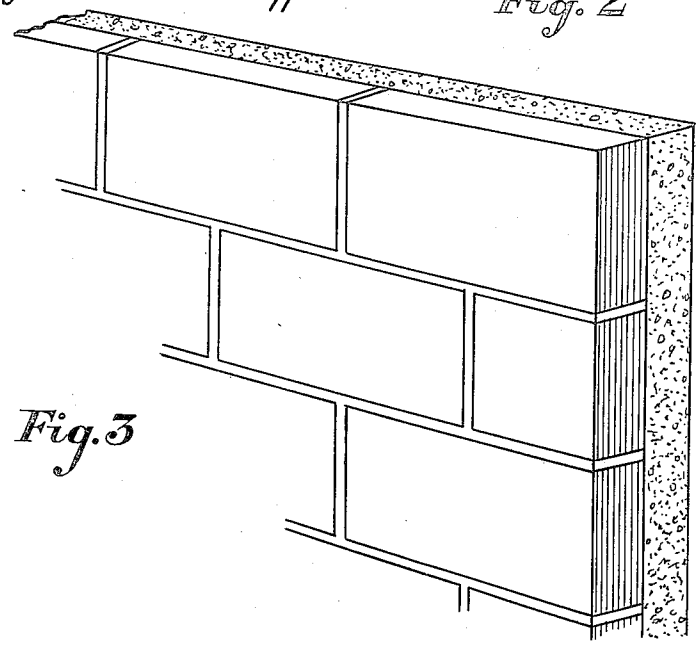

Fig. 3

Inventor

EDGAR G. BARRATT

By Emery Robinson

ATTORNEY

Patented Oct. 11, 1927. 1,645,214

UNITED STATES PATENT OFFICE.

EDGAR G. BARRATT, OF NEW YORK, N. Y., ASSIGNOR TO THE BEAVER PRODUCTS COMPANY, INC., A CORPORATION OF NEW YORK.

TILE.

Application filed August 11, 1925. Serial No. 49,547.

This invention relates to a new and useful tiling and aims to provide a novel tile.

This invention may be understood by reference to one illustrative embodiment of the inventive tile shown in the accompanying drawings.

In said drawings:

Fig. 1 is a perspective view of an individual tile.

Fig. 2 is a cross section on an enlarged scale through the tile illustrated in Fig. 1.

Fig. 3 is a perspective view of a part of a wall employing the illustrative tile.

It is to be understood that the illustrative form shown in the drawings is simply a preferred embodiment of the invention; and that in the following explanation of that specific form the described details are merely exemplary.

In this instance, the illustrative tile is manufactured from a plastic mix having a gypsum base, paper or other fibrous material of a suitable heavy grade, and an outer covering of paint enamel or glaze on its surfaces. Certain of the outer plys of the paper, which constitute layers of the finished tile, may advantageously be treated during manufacture, or later, with some sizing or waterproofing material to enable the paper to retard moisture penetration and to adapt it to receive the glaze or coating substances. The inner plys of the paper are advantageously left unsized or are slack sized. As shown in Fig. 2 two sheets of paper or other fibrous material 10 enclose and adhere to the body portion 11. The body portion 11 is composed of a plastic mix having a gypsum base. A coating or film of paint enamel or glaze 12 envelopes the layers of fibrous material and the body portion 11 on one face surface, the sides and ends. The glaze 12 is preferably applied in a liquid state and can be of any desired color. A glazing or paint enamel such as composed of the pyroxylin solutions has been found to be satisfactory for this purpose. This paint enamel or glaze is applied in any known manner and has been satisfactorily carried out by spraying with a suitable spraying apparatus.

The individual tiles may be manufactured in any desired size or shape. The illustrative tile may be advantageously employed in kitchens, bath rooms or the like.

In Fig. 3 is shown the portion of a wall built of this tile which may be attached in any well known manner. One method of applying the illustrative tile to walls is to cover the wall with plaster or cement and embed the tiles therein while the plaster or cement is in a plastic state.

In the construction of the illustrative tile one face surface of the tile is not provided with the paint enamel or glaze. The object of this is to provide a backing surface to which the securing plaster or cement will adhere when the tile is in position on the finished wall. The finished wall will be distinctly superior in many respects to plaster walls and may be as easily cleaned.

Obviously, the present invention is not restricted to the particular embodiment thereof herein shown and described, neither is it necessary that all the features of the invention be used conjointly, since they may be employed advantageously in various combinations and sub-combinations.

Having described one embodiment of my invention I claim as follows:

1. As an article manufactured a tile comprising a body portion of gypsum plaster, a fibrous cover sheet and a covering of paint enamel on said cover sheet.

2. A tile comprising a layer of fibrous material, a layer of gypsum plaster, a second layer of fibrous material and a layer of paint enamel on the exposed side.

3. A tile comprising a layer of fibrous material, a layer of gypsum plaster, a second layer of fibrous material, a layer of paint enamel and a layer of paint enamel on the exposed side and ends thereof.

In testimony whereof, I affix my signature.

EDGAR G. BARRATT.