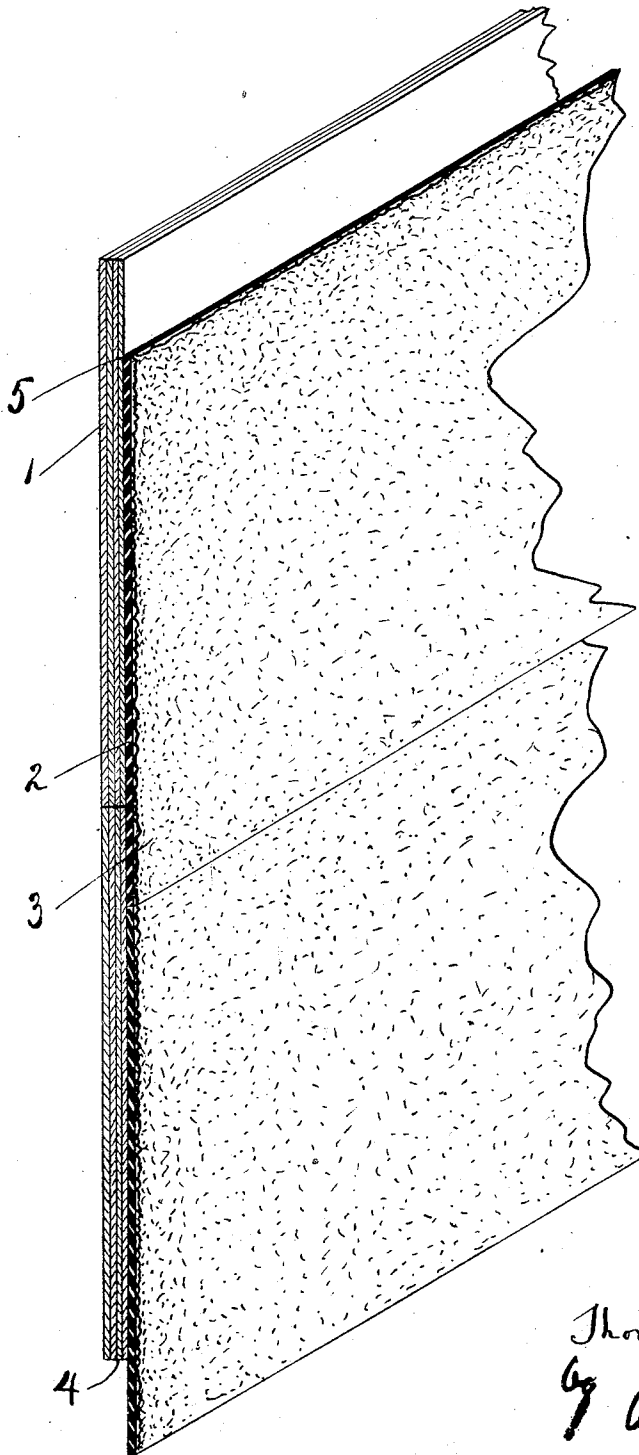


T. J. MULLIN.
BUILDING MATERIAL.
APPLICATION FILED NOV. 1, 1915.

1,362,888.

Patented Dec. 21, 1920.



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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS J. MULLIN, a citizen of the United States, and a resident of the village of Lockland, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Building Material, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to material to be used in the construction of houses or other buildings as weatherproof fiber-board siding, to take the place of wooden siding and weatherboarding for the outer wall covering for houses or buildings. Wall board has been used for inside construction in houses as an inside wall finish, but for outside wall construction, paper or fibrous material has not heretofore been made available.

It is accordingly the object of my invention to provide a material suitable for construction of outside walls, made of paper board, which is formed up with additional material and provided with a finish or outer layer or coating of material which will make it available as an outside wall construction material.

I accomplish this object by that certain construction and arrangement of parts to be hereinafter more specifically pointed out and claimed.

In the drawing presented, the figure is a cross sectional perspective view of a section of the material showing the various layers firmly united together and ready for use.

In constructing my material, I take sheets 1 of moistureproof wall board, which is a well known commodity on the market, and made up of layers of cardboard or stiff paper of the requisite number of plies to form a stiff and substantial boardlike material with the layers cemented together and rendered waterproof. It is preferred that each layer be separately sized and that silicate of soda be used as a cement, although tar or pitch would accomplish the same purpose.

On top of this I lay a strip of thick felt paper 2, saturated with asphalt, tar or the like, and cement together with asphalt, tar, pitch, silicate of soda, or other cementitious material.

On the outside of the felt paper layer I form a coating 3 of finely ground stone,

slate, sand, graphite, mica, or the like, of the desired color, and which coating will unite with the felt paper by becoming embedded with the exuding asphalt, tar, pitch or the like, with which it is saturated.

The material now described is to be put out in long strips or sheets of the length and width desired, and will present a pleasing appearance, without any further treatment. The material is to be nailed onto the studding of the house, and it is preferably to be dovetailed together by cutting away at 4 the wall board portion of one side of each strip of completed material and cutting away at 5 the felt paper and outside coating on the other side, and then lapping the one side of each piece over the adjacent side of the next piece.

The securing nails will preferably be passed through the lapping joint, thereby making a tight joint which will be weatherproof. It is also preferred that a coating of pitch or the like be spread on the underlying lap so as to seal the lap joint firmly. If desired, a strip of wood or other suitable material could be nailed down over this joint (not shown), although this would depend on the style of outside finish that was desired. The weatherproof fiber-board material can be used either with or without the ordinary siding as desired, but it is to be understood that it is especially designed to be used without any of the customary siding whatever and that it requires no further treatment. It should be understood that the felt material is used on the wall board as a means for carrying the asphalt in a thick and exuding coat. It is possible to merely paste the asphalt coating directly on the stiff wall board material, and the article so formed is within the scope of my invention which is essentially the utilizing of a stiff fiber material such as wall board, cemented together in a number of plies, and carrying on its face a waterproof coating of solid nature such as asphalt, permeated on its surface with a coating of ground mineral material.

This new outer covering for houses is exceedingly inexpensive. When covered with gravel or stone, it presents the same appearance as a high class stucco finish, and this is the preferred embodiment of my invention. The particular method of mounting the material on the house, as above described, is not insisted upon, as this new weatherboard-

ing could be used in any desired manner. The material is a perfect insulation against changes of temperature, and there will be little or no contraction and expansion. It is very easily applied, is more fireproof than wood and does not require to be painted.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

- 10 1. A building material or siding for outside work comprising a plurality of thicknesses of waterproof wall-board of sufficient stiffness and rigidity and formed of a desired number of plies permanently cemented together to form an integral stiff base, the same being of a size to adapt itself to outside wall construction, a thick outer layer of asphalt material of the consistency of tar or the like, a felt-like material as a binder

for said outer layer, same permanently united with the base, and a layer of ground stone or the like embedded in the surface of the outer layer only, for the purpose described.

2. A building material for siding for outside work comprising a thick, rigid body of wallboard formed of the desired number of plies permanently cemented together to form an integral stiff base, the same being of a size to adapt itself to outside wall construction, a thick outer layer of asphalt material of the consistency of tar or the like, a felt-like material as a binder for said outer layer, same permanently united with the base and a layer of ground stone or the like embedded in the surface of the outer layer only, for the purpose described.

THOMAS J. MULLIN.