Aug. 30, 1938.

J. T. ROCQUE

2,128,540

BUILDING MATERIAL

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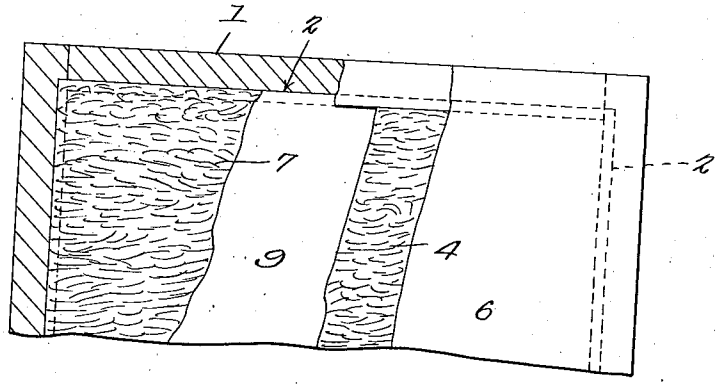


Fig. 1.

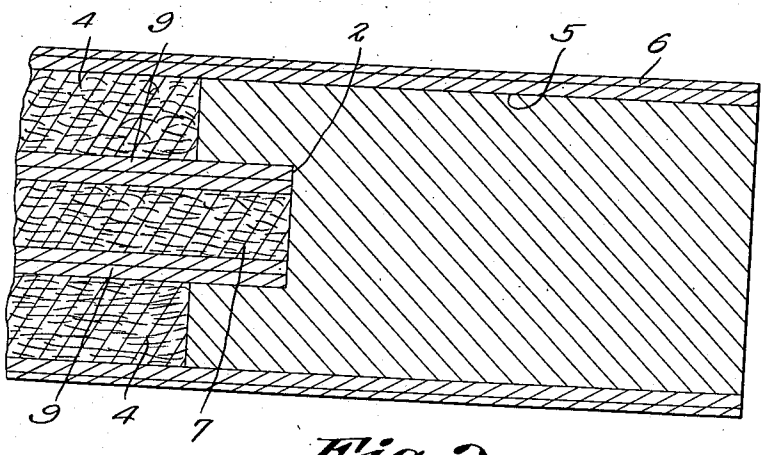


Fig. 2.

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BUILDING MATERIAL

John T. Rocque, Newport, Vt.

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1 Claim. (Cl. 20—91)

This invention aims to provide a door, or a panel for a partition, or any other similar building member, in which wood and insulating material are embodied in a novel way, to prevent the passage of sound, the construction being strong, inexpensive, and well adapted to withstand the strain imposed by the hinged mounting of the structure, when the same is used in a door.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above 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:

Fig. 1 shows in elevation, a device constructed in accordance with the invention, parts being broken away;

Fig. 2 is a fragmental section thereof.

In carrying out the invention as disclosed in the drawing, there is provided a bounding marginal frame 1, preferably made of wood, and provided all around its entire inner edge with a recess 2, into which extends a body 3. Layers 4 of sound insulating material are disposed on opposite sides of the body 3 and the outer surfaces of the layers 4 are flush with the outer surfaces of the frame 1. The insulating material used in making the layers 4 preferably is wood pulp held together with a binder of tapioca glue. The outer surfaces of the layers 4 of insulating material, and the outer surfaces of the marginal frame 1 are covered by inner sheets 5 and outer sheets 6. These sheets may be made of wood veneer or any other suitable substance. All the parts specified are held together securely, by gluing or otherwise.

The body 3 comprises a layer 7 of insulating material, on each side of which are disposed one or more sheets or strips of wood veneer, indicated at 9, all of the parts being secured together by gluing or otherwise, as hereinbefore explained.

The invention provides a sound proof, light and strong element, adapted for use in building, and will possess many advantages which will appeal readily to the builder.

Having thus described the invention, what is claimed is:

In a building element, a marginal frame having a recess in its inner edge, a body seated in the recess, layers of sound insulating material on opposite sides of the body and located within the frame, the body comprising a layer of sound-insulating material and veneer strips, secured to opposite sides of the sound-insulating material and extended into the recess, the veneer strips being secured to the body, within the recess, and finishing sheets secured to the outer surface of the body and the frame.

JOHN T. ROCQUE.