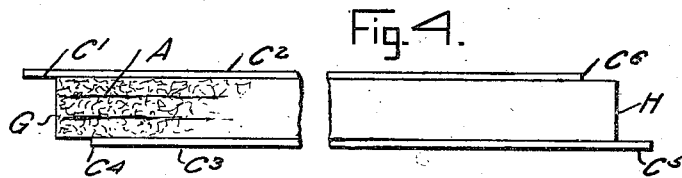
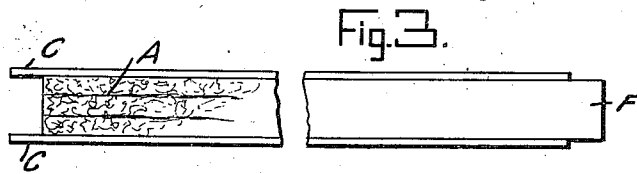
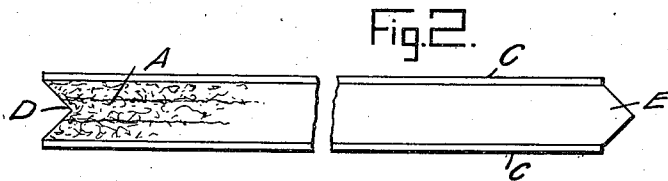
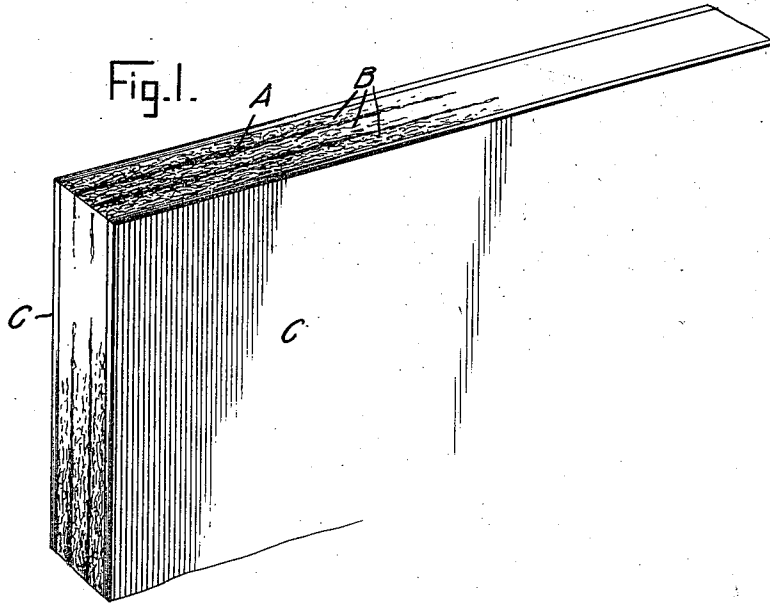


P. J. CAREY.
WALL BOARD.

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1,156,753.

Patented Oct. 12, 1915.



WITNESSES:

C. H. Reichembach.
E. B. Marshall

INVENTOR
P. J. Carey.

BY *Munn & Co.*

ATTORNEY

UNITED STATES PATENT OFFICE.

PATRICK JOSEPH CAREY, OF NEW YORK, N. Y.

WALL-BOARD.

1,156,753.

Specification of Letters Patent.

Patented Oct. 12, 1915.

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To all whom it may concern:

Be it known that I, PATRICK J. CAREY, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Wall-Board, of which the following is a full, clear, and exact description.

My invention has for its object to provide a wall board which may be readily worked with tools, it being possible to cut the board to fit, and join the parts as may be desired. The board may be planed, sawed or worked with a chisel or other tools and the cuts in all cases will be sharp, so that close joints may be made. Not only may the board be readily worked with tools with the best results, but the board is constructed in such a manner that the parts may be effectively mortised in a variety of ways.

Other objects of the invention will appear in the following specification in which the preferred form of my invention is disclosed.

In the drawings, similar reference characters refer to similar parts in all the views, in which—

Figure 1 is a perspective view, showing my wall board; and Figs. 2, 3 and 4 are fragmentary views, showing how the wall board may be cut for mortising purposes.

My wall board is constructed with a central core or base A manufactured from paper pulp or fibers of wood pulp ground and chemically treated and pressed together in layers B, the central core or base being built up to form a board of any desired thickness. At each side of this central core or base, there is disposed a piece of vulcanized fiber board C, the sheets of vulcanized fiber board being preferably one-twentieth of an inch thick. The vulcanized fiber board C is preferably secured to the central core or base by a waterproof glue, such as water glass, it being also possible to secure the vulcanized fiber board to the central core or base with a plastic cement, manufactured of asphalt, four parts and paraffin, one part. In order that the waterproof glue or the plastic cement may take hold on the central core or base A and on the vulcanized fiber board C, the adjacent surfaces of the central core or base A and the vulcanized fiber board C may be roughened, before the waterproof glue or plastic cement is applied. This waterproof glue

or cement keeps all moisture from the central core or base A, and as the vulcanized fiber board C, is not injured and as its value is not impaired by water or moisture, it will be seen that my wall board is very durable and may be used in many cases, where other wall board now on the market would be of no value.

The vulcanized fiber board C, supplies a surface which may be painted either in oil or water color and this makes my wall board of great usefulness in the construction of scenery.

While it is impossible to mortise or dovetail a wall board which has been hitherto offered for sale, my wall board may be mortised and joined in many different ways with the very best results. In Fig. 2, I show one method of joining the wall board by cutting a V,—D in one end of the central core or base A and by cutting the other end of the central core or base A, so that the central core or base A will have a V-shaped projection E, which will fit the V-shaped recess D on a companion board. When two pieces of wall board are joined in this manner, the vulcanized fiber boards C at the side of the central core or base A will abut against each other, and will cover the cut edges of the central core or base A and hold them in place.

In Fig. 3, I illustrate another manner in which the wall board may be cut to form a joint. In this case, the central core or base A is cut away a distance between the vulcanized fiber boards C at one end of the wall board, the vulcanized fiber boards C being cut away at the other end of the wall board, so that the central core or base will project beyond the vulcanized fiber board C at F. The projection F of the central core or base is then disposed between the projecting ends of the fiber board on a correspondingly cut wall board and the projecting ends of the vulcanized fiber board C are secured to the sides of the projecting end F of the central core or base A.

The wall board may not only be cut as illustrated in Figs. 2 and 3, so that it may be conveniently joined, but it may be cut in other ways, as for instance, in the manner illustrated in Fig. 4. In Fig. 4, at one end of the wall board, the central core or base is cut away at G, so that the end C' of the vulcanized fiber board C² projects beyond the end G of the central core or base A, the

other vulcanized fiber board C³ being cut away at C⁴, so that the end G of the central core or base A will project beyond the end of the vulcanized fiber board C³. In a similar manner, the other end H of the central core of base A is cut so that the end C⁵ of the vulcanized fiber board C³ projects beyond the central core or base A, the end C⁶ of the vulcanized fiber board C² being cut away so that the end of the central core or base A projects beyond the vulcanized fiber board C² at H. It will be understood that when two or more wall boards are cut in the manner described and illustrated in Fig. 4, one of the projecting ends C⁵ of the vulcanized fiber board C³ may be disposed against the side of the central core or base A, so that it will abut against the end C⁴ of the vulcanized fiber board C³ on a companion wall board cut in the manner described. The projecting end C⁷ of the vulcanized fiber board C² will then be disposed against the side of an end of the central core or base A of the second-mentioned wall board section, and the cut end G of the central core or base A of the first-mentioned wall board will abut against the cut end H of the central core or base A of the second-mentioned wall board.

The board may of course be used not only as a wall board, but as an insulator below floors and for scenery, panels, stair risers, and for the manufacture of frames, furniture, core work, etc. The board is damp-proof, vermin-proof and almost fire-proof.

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

1. In an article of manufacture, a pulp

board and stiff fire-proof vulcanized fiber board secured to one or both sides of the pulp board.

2. In an article of manufacture, a pulp board, stiff fire-proof vulcanized fiber board and water-proof material by which the vulcanized fiber board is attached to the sides of the pulp board.

3. In an article of manufacture, a pulp board, and vulcanized fiber boards secured to a side of the said pulp board and extending beyond the central portion of the pulp board, to be secured to an adjacent member disposed within the vulcanized fiber board and against the central portion of the pulp board.

4. In an article of manufacture, a pulp board, and a vulcanized fiber board secured to the side of the pulp board and extending beyond the pulp board, to be attached to a similar pulp board extending beyond an attached vulcanized fiber board when the first-mentioned vulcanized fiber board abuts against the said attached vulcanized fiber board.

5. In an article of manufacture, a pulp board, and vulcanized fiber boards secured to the sides of the pulp board and extending therebeyond for embracing pulp board extending beyond similar vulcanized fiber boards secured to its sides.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PATRICK JOSEPH CAREY.

Witnesses:

DANIEL J. CAREY,
JOHN F. SCHMONSEES.