

F. J. MOTZ.
TEXTILE BOARD.
APPLICATION FILED SEPT. 26, 1910.

1,012,267.

Patented Dec. 19, 1911.

Fig. 1.

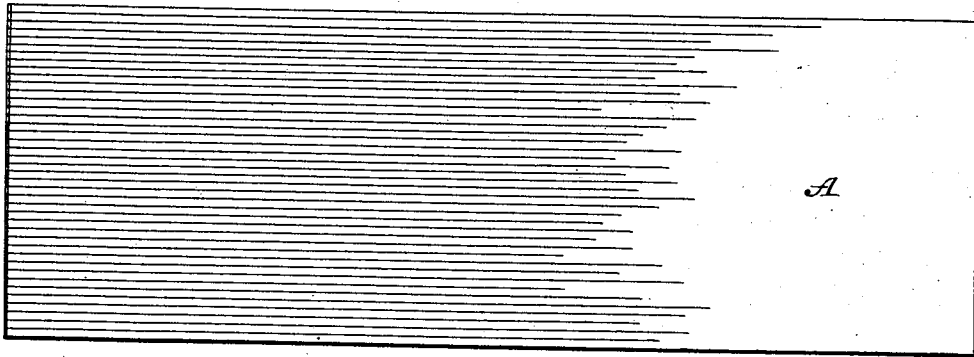


Fig. 2.

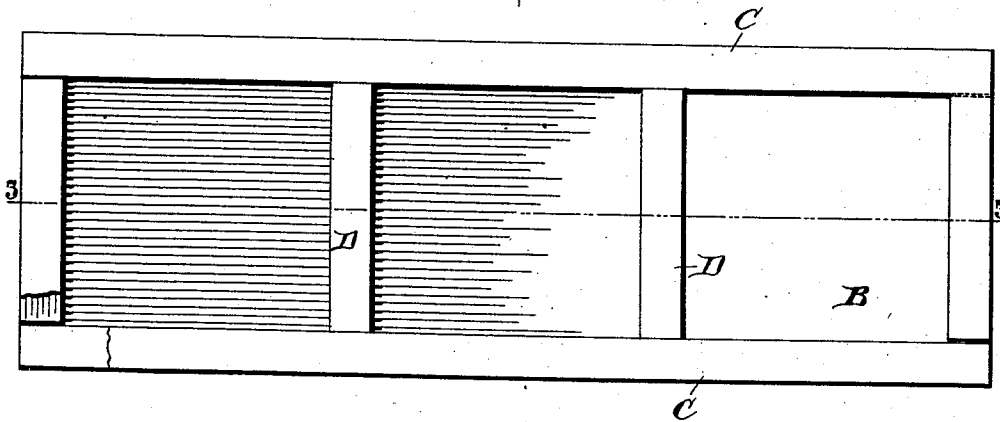
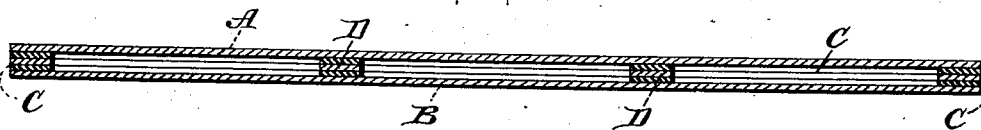


Fig. 3.



WITNESSES:

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TEXTILE-BOARD.

1,012,267.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK J. MOTZ, a citizen of the United States, and a resident of Cincinnati, county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Textile-Boards, of which the following is a specification.

My invention relates to boards on which bolts of cloth or other textiles are wound and has for its object to provide a board of this description made of pulp board, box board or analogous materials which may be produced at an extremely low cost, and which is more rigid than the wooden boards ordinarily used for this purpose.

A further object of my invention is to construct a board of this description in a manner to secure extreme lightness without sacrificing strength, thus securing a saving in freight charges in shipping both before and after the cloth or other textile has been applied. Heretofore, wooden boards used for this purpose have been warped by the action of the atmosphere and thus rendered useless and have also become splintered and have torn and otherwise damaged the cloth or other textile unless a protecting cover was first applied to said boards. The intention of my invention is to overcome these objections and to construct a board which will not warp and which cannot become splintered and which will have all the advantages of a wooden board.

My invention will be fully described hereinafter and the features of novelty will be pointed out in the appended claims.

Reference is to be had to the accompanying drawings in which—

Figure 1 is a plan view of my improved board; Fig. 2 is a similar view with the one face removed and with parts broken away and Fig. 3 is a sectional view thereof on the line 3—3 of Fig. 2.

My improved board comprises two parallel pieces A and B cut the desired size and spaced from each other so as to form the two opposite faces of the completed board. These pieces A and B are preferably constructed of pulp board, card board or analogous material so as to be extremely light and practically incapable of warping. The two pieces A and B are united by a series of superposed filling strips C also of pulp or card board extending only along the edges of said pieces A and B and united

to said pieces as well as to each other in any suitable manner as by pasting or gluing. The filling strips C are preferably made L-shaped and are so arranged that the joints of the two strips in one layer are out of alinement with the joints of the two strips in the next adjacent layer so as to produce a break joint arrangement as clearly shown in Fig. 2. If desired, additional cross strips D which extend across the board from one series of edge strips to another may be provided at intervals for strengthening purposes, although these last are not essential and may be omitted, if desired.

It will be seen that in my improved construction the finished board has the appearance of a solid structure while in reality a hollow chambered construction is secured which is extremely strong and yet light in weight and furthermore may be produced at an extremely low cost. The filling strips may, if desired, be cut from what would otherwise be termed waste material so that a more economical use of material is secured than has heretofore been possible. Furthermore, a board constructed according to my invention is not affected by changes in atmospheric conditions and consequently will not warp and also does not become splintered so as to tear or otherwise damage the cloth or other textile as it is being wound or unwound. By providing the break joint arrangement of filling strips a strong and rigid corner construction is secured.

By making the filling strips and cross strips in layers, the same may be built up to any desired dimension so that boards of any desired thickness may be secured by simply increasing or diminishing the number of layers in said filling or cross strips.

Various modifications and changes may be made within the scope of the claims without departing from the spirit of my invention.

I claim:

1. A textile board comprising parallel spaced face pieces, and a series of superposed substantially L-shaped filling pieces secured to each other and to said face pieces to form the sides and ends of said board, the filling pieces in each layer having the free ends of their like members extending in opposite directions beyond the center of the board, and the joints in one layer of strips being at opposite sides of a longitudinal center line from the joints in the next adjacent layer.

2. A textile board comprising parallel spaced face pieces, a series of superposed substantially L-shaped filling pieces secured to each other and to said face pieces to form
5 the sides and ends of said board, the filling pieces in each layer having the free ends of their like members extending in opposite directions beyond the center of the board, and the joints in one layer of strips being
10 at opposite sides of a longitudinal center line from the joints in the next adjacent

layer, and cross-pieces located intermediate of the ends of said face pieces and secured to said face pieces.

In testimony whereof I have hereunto set 15 my hand in the presence of two subscribing witnesses.

FREDERICK J. MOTZ.

Witnesses:

E. L. MAYON,

RALPH HAWTHORNE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."