F. E. KEYES.

CORE BOARD FOR PIECE GOODS.

APPLICATION FILED NOV. 5, 1910.

1,033,250. Patented July 23, 1912.

Fig. 1.

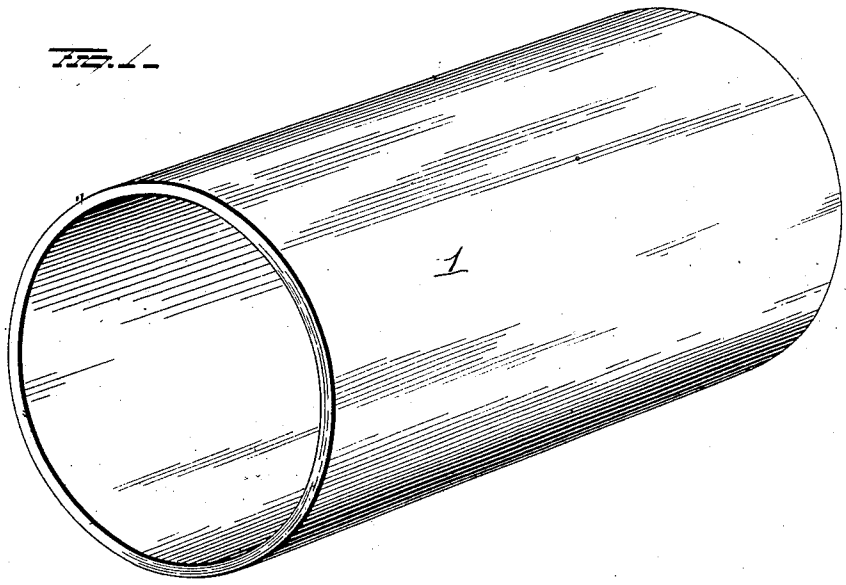
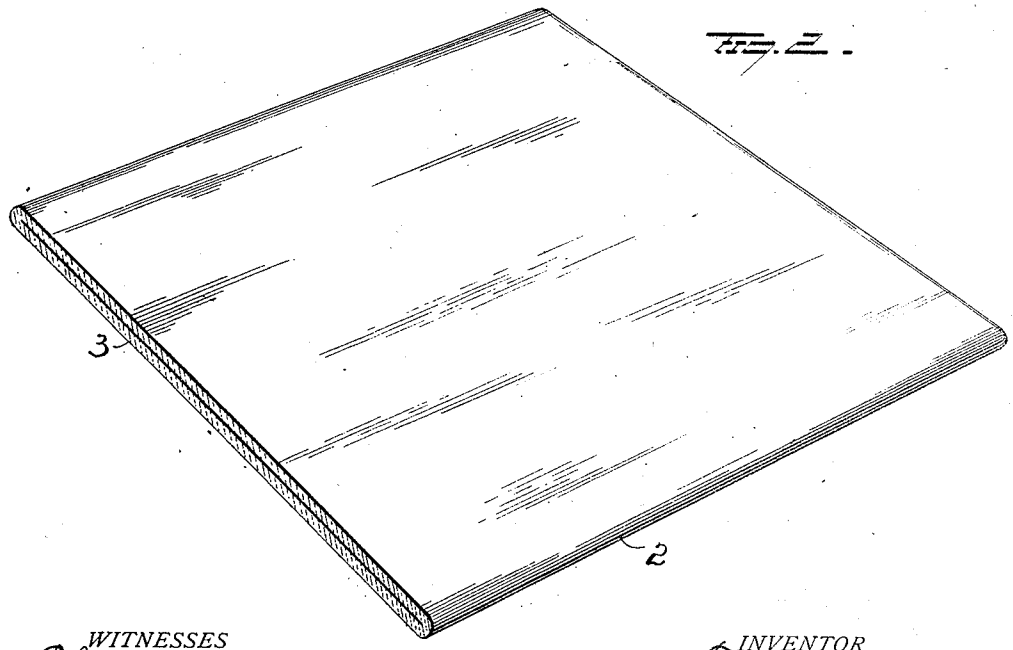


Fig. 2.



WITNESSES

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CORE-BOARD FOR PIECE GOODS.

1,033,250. Specification of Letters Patent. Patented July 23, 1912.

Application filed November 5, 1910. Serial No. 590,921.

To all whom it may concern:

Be it known that I, FRANK E. KEYES, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Core-Boards for Piece Goods; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in core-boards for piece goods.

Heretofore it has been proposed to make core-boards on which piece goods are wound of paper, the board being built up with numerous layers of paper secured together by means of glue and compressed. Boards thus constructed are subject to various objections, such as the oozing of the glue from the edges of the board and the consequent damaging of the goods, and also by the warping of the board, and furthermore core-boards thus constructed have rough edges which are liable to injure the goods. Efforts have been made to counteract these objections and defects by inclosing the boards within thin fabric envelops, but this has been found to be ineffectual and expensive.

The object of my invention is to overcome the difficulties heretofore encountered with core-boards and to construct a board in such manner as to obviate said difficulties and to provide a board having smooth edges and one which shall have suitable thickness without the use of built up sheets glued together and which shall not be liable to warp.

With this end in view the invention consists in certain novel features of construction as hereinafter set forth and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in perspective of a tube from which my improved core board is made, and Fig. 2 is a view in perspective of the completed core board.

1 represents a tube or cylinder composed of a single thickness of paper pulp. After the pulp tube has been formed and while in a moistened condition it is flattened by suitable means into the form illustrated in Fig. 2 which results in the production of a core-board formed of two thicknesses of paper pulp without seam or joint or the use of glue or other adhesive material, the sides 2 of the board being rounded while the side 3 may be made of any desired shape.

A core-board constructed of paper pulp in the manner described, has been found by actual practice to withstand all tendency to warp out of shape, which is doubtless due to the fact that the paper pulp tube when flattened while in a moist condition has no tendency to warp or bend but will retain the form imparted to it by pressure. Again the core-board as thus constructed from a single thickness of paper pulp tube, does not require the use of any glutinous or adhesive material to retain it in shape and hence the goods wound upon it cannot be injured by exuding glutinous material, which frequently results from the use of core-boards formed of several layers of paper glued together.

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

A core board consisting of a flattened tube having seamless sides and side edges formed of a single thickness of paper pulp, substantially as set forth.

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

FRANK E. KEYES.

Witnesses:
FRED F. PARTRIDGE,
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