

L. W. Kimball,

Door Panel,

No 80,972,

Patented Aug. 11, 1868.

Fig. 3.

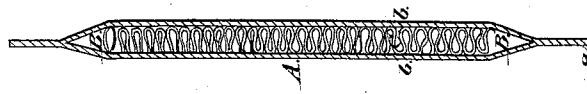


Fig. 2.

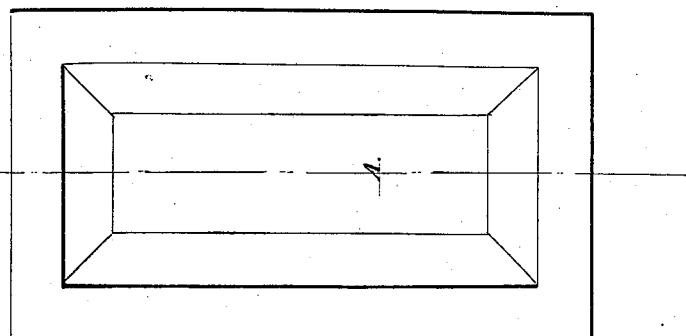
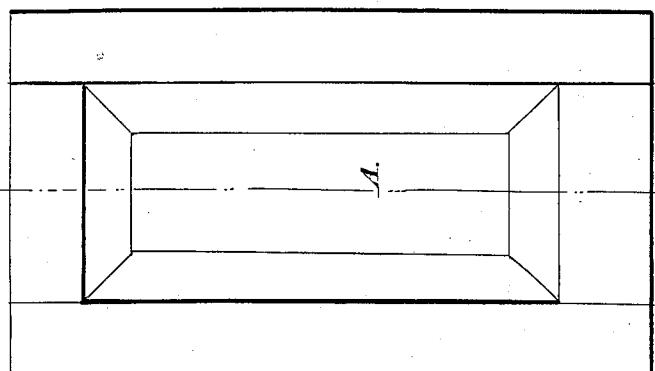


Fig. 1.



Witnesses:

W. A. Burridge
E. E. Waite

Inventor:

L. W. Kimball

United States Patent Office.

L. W. KIMBALL, OF PITTSFORD, VERMONT.

Letters Patent No. 80,972, dated August 11, 1868.

IMPROVEMENT IN DOOR-PANELS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, L. W. KIMBALL, of Pittsford, in the county of Rutland, and State of Vermont, have invented certain new and useful Improvements in Door-Panels; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a view of the door and panel.

Figure 2 is a view of the panel detached.

Figure 3 is a vertical section in the direction of the line *z z*.

Like letters refer to like parts in the different views.

My improvement consists in forming door-panels, &c., of paper board, which is very light, durable, and inexpensive. It is constructed in the following manner:

A represents the panel, of which fig. 3 is a section view. It is made of two thicknesses of paper board, formed in the shape shown in fig. 3, thus leaving the chamber B between them, the ends being joined together and forming the tenon of the panel. In this chamber B, is arranged the paper board C, in the manner shown, or it may be placed at angles, or in any suitable manner, for the purpose of bracing and supporting the two layers of board *b*.

The frame of the door is plowed out in the ordinary way to receive the panel, thus forming a durable, light, and cheap door, and is the same in appearance as the wood panels, when painted in the same way.

The walls of a room may also be constructed in the same manner, and the chamber between the paper boards will prevent the passage of heat or cold and dampness, as freely as the wall in ordinary use, thus, in cool weather, constituting a warm room, and in warm weather a cool room.

The panels may be constructed in any form or configuration desired.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The panel A, constructed with side pieces *b* and chambers B, with braces, arranged substantially as and for the purpose described.

L. W. KIMBALL.

Witnesses:

D. P. PEABODY,

R. N. ALLEN.