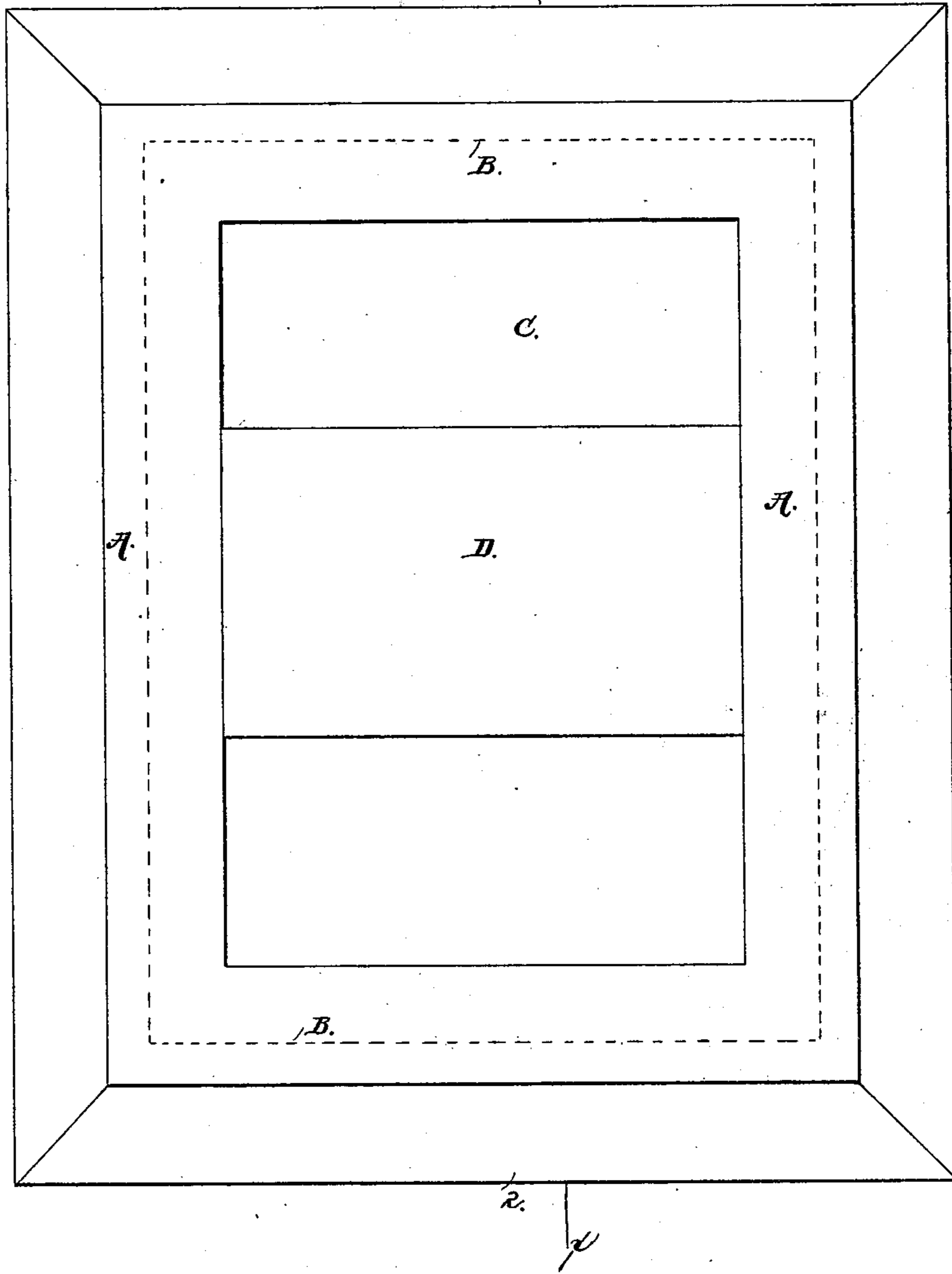


W. L. ECKMAN.
Picture-Frame.

No. 226,654.

Patented April 20, 1880.

Fig. 1.



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Fig. 2.

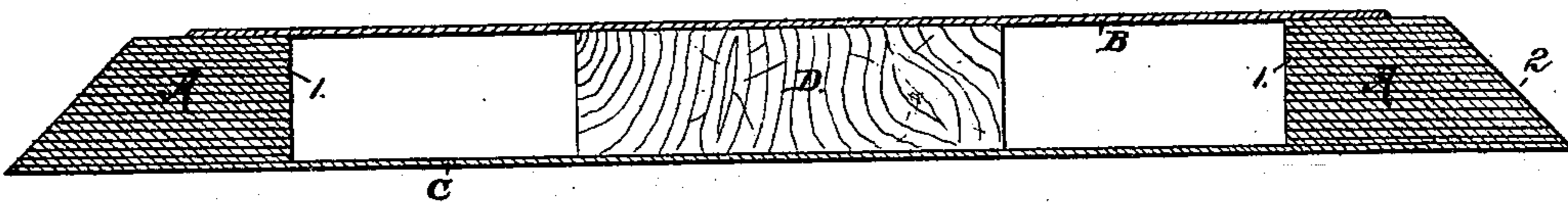


Fig. 3.

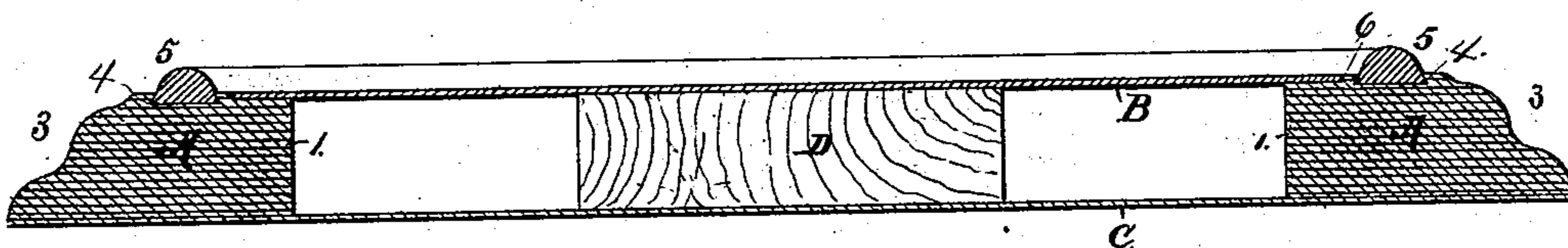
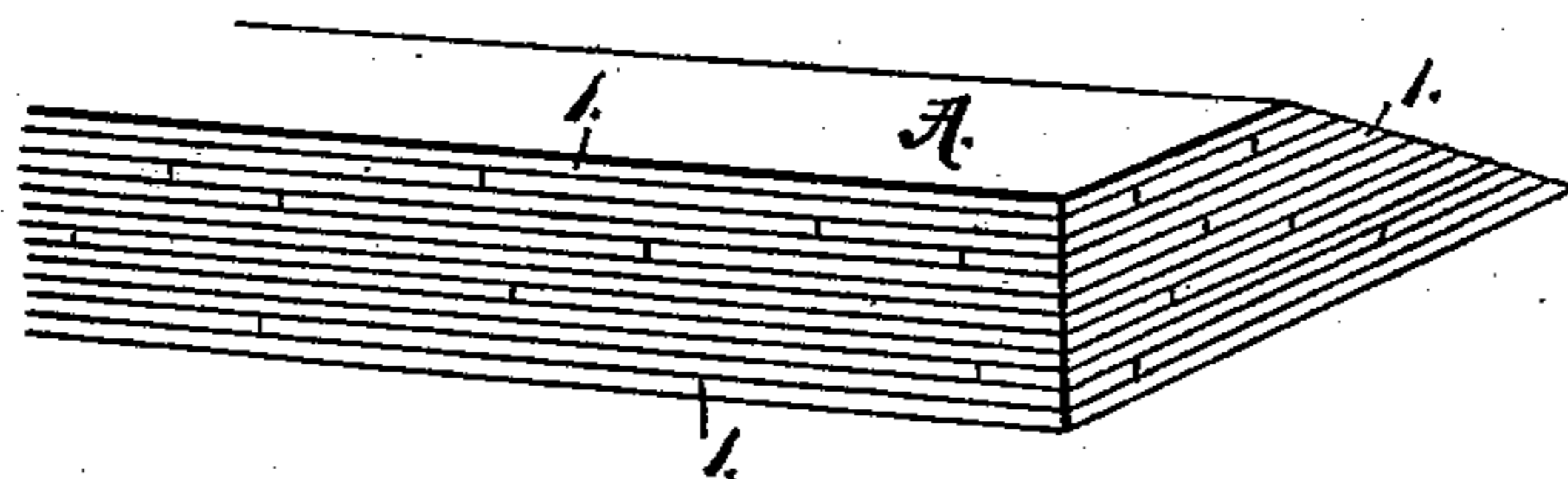


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM L. ECKMAN, OF NEW YORK, N. Y.

PICTURE-FRAME.

SPECIFICATION forming part of Letters Patent No. 226,654, dated April 20, 1880.

Application filed December 27, 1879.

To all whom it may concern:

Be it known that I, WILLIAM LIND ECKMAN, of the city, county, and State of New York, have invented certain new and useful
5 Improvements in Picture-Frames, of which I declare the following specification, when taken in connection with the accompanying drawings, to be such a full, clear, and exact description as will enable others skilled in the
10 art to make the same.

In said drawings, Figure 1 represents the improved frame by a plan view. Fig. 2 is an enlarged cross-section of the same, taken on the line *x* of Fig. 1, and showing a picture as
15 mounted in said frame. Fig. 3 is an enlarged cross-section, showing a modification of the frame. Fig. 4 is a perspective view of a portion of one of the parts of the frame.

The object of my invention is the production of an article which, while possessing all the beneficial qualities of the materials now in use for the purpose—such as strength, lightness, capacity to receive a smooth surface of high finish and ornamentation—may be constructed at much less cost and sold at a considerably lower price.

The said invention consists in an improved picture-frame consisting of sides, to the face of which is secured the picture-mount and to
30 the back of which is secured a back-board, whereby all twisting and warping of the frame is prevented and the picture-receiving surface is sustained in a level and even position, and, in combination therewith, a supporting-piece
35 that is interposed between the picture-mount and the back-board.

In carrying out my invention I construct the parts of the frame of any suitable material, preferably using lengths of material, by
40 superposing a suitable number of strips of mill-board, veneer, or other like material, as the strips marked 1, which are united together by any suitable cement applied to their contact-surfaces, which strips, when piled to constitute the desired thickness, are snugly consolidated in any suitable press, where they remain until the cement uniting them becomes
45 dry and a compact and solid piece, as A, is obtained. In constructing this piece A the various strips 1 composing it may vary in width and length, as is shown in Fig. 4, thus enabling

the economical use of material and rendering it possible to reach the minimum cost of production. This mode of structure also provides for the production of continuous straight
55 lengths and the making of circular or irregular forms having continuous bodies. Such pieces as A may then be planed or otherwise cut into any desired conformation, as the bevel 2, the ogee 3, or other molding, and may be
60 gilded, stained, or otherwise ornamented, and may or not be channeled, as at 4, to receive ornamental fabrics or moldings, as 5, and may or not be rabbeted, as at 6, to receive the picture-mount B, and provided or not, in addition
65 thereto, with a rabbet to receive a covering-plate of glass.

The picture-mount B may be cemented in the rabbet 6, as in Fig. 3, or upon the face of the sides A of the frame, as in Fig. 2, in either
70 position uniting the upper portions of the frame rigidly together.

In order to prevent warping, due to climatic influences, to change in the weather, or subjection to moisture, the frame is also provided
75 with a back-board, C, consisting of a board attached at the back of the frame-sides, so as to unite and tie the same together at that point. The picture-mount thus forms a brace upon one face, and the back-board forms a brace
80 upon the opposite face, whereby twisting or warping is prevented and the parts are held in their true position.

A frame thus composed out of any material may be made of very great thickness, and, while possessing great strength, will remain comparatively light. It is readily adapted to have a picture secured upon the surface of its mount B, to which the same may be attached
85 by cementing, in the usual way, and its structure is such that it will sustain exposure and use without twisting or warping, thus retaining its original or perfect form.

The circular or the irregular forms given to the sides of the frame may be gilded or otherwise ornamented, and the exposed parts may
95 be waterproofed, if desired.

In order to prevent the picture B from sagging down in its center, which will occur in large sizes, I provide a body-supporting piece,
100 D, which, made of the proper height, is fastened about centrally to the back-board, so as

to bear against both the back-board C and the picture-mount and hold the latter up to a proper level. In large sizes two or more of these body-supporting pieces D may be provided, and, whether one or more are used, they may be held in place by attachments to the picture-mount B, or to the back-board C, or to the sides A of the frame.

When a glass covering-plate is to be used the same may be secured in place in any appropriate manner, as by an overlapping strip cemented over its edge and united to the sides of the frame.

What I claim is—

1. As a new article of manufacture, a picture-frame consisting of sides A, to the front

of which is permanently secured the card mount B, and to the back of which is secured a back-board, C, whereby warping and twisting is prevented, substantially as described. 20

2. In a picture-frame, the combination, with the sides A, picture-mount B, and back-board C, of the body-supporting piece D, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 25

WM. L. ECKMAN.

Witnesses:

J. M. ADAMS,
GEO. H. GRAHAM.