

No. 657,737.

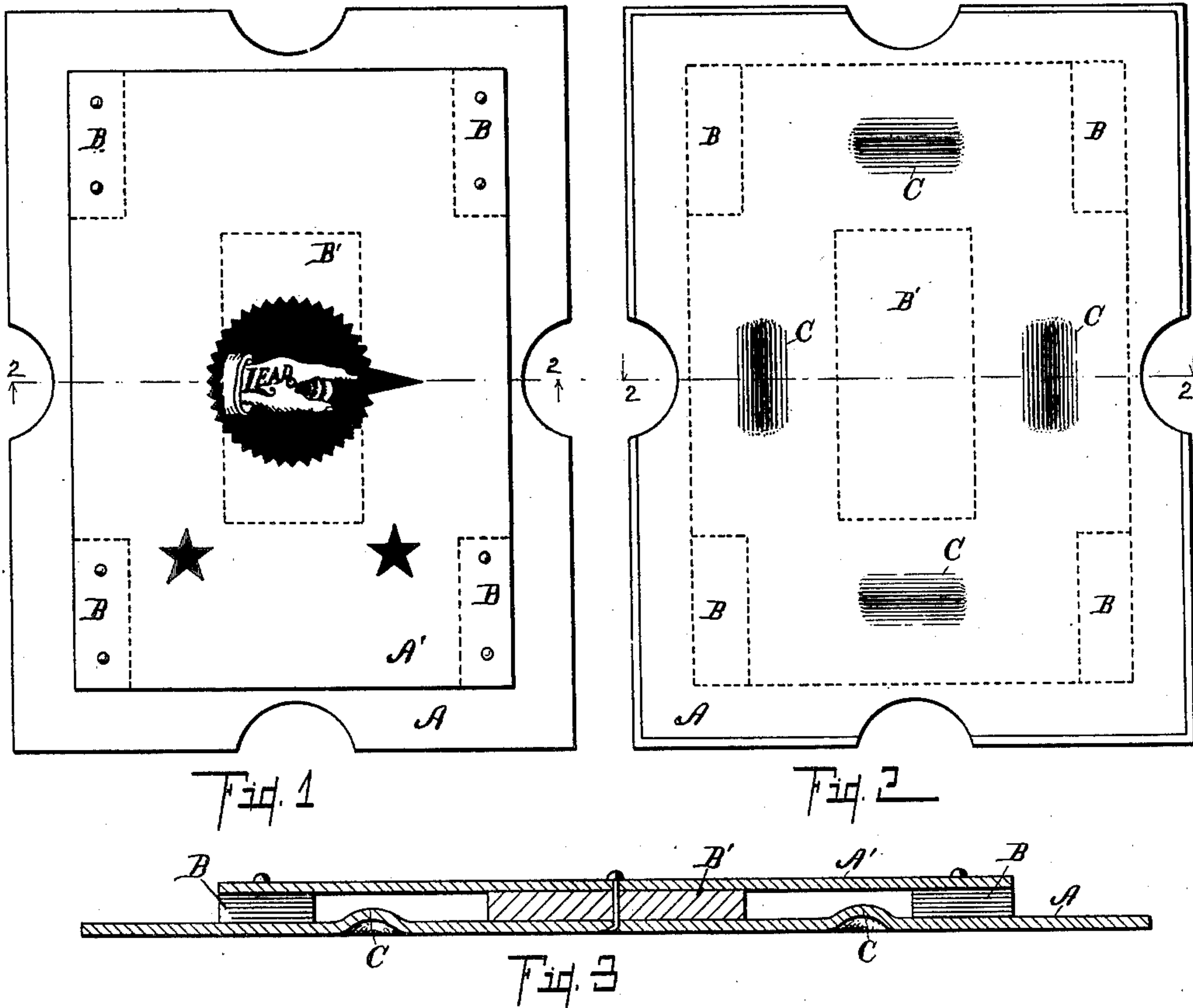
Patented Sept. 11, 1900.

R. IHLING.

DUPLICATE WHIST TRAY.

(Application filed Nov. 23, 1896. Renewed Jan. 15, 1900.)

(No Model.)



Witnesses:

Walter S. Wood
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UNITED STATES PATENT OFFICE.

REINHOLD IHLING, OF KALAMAZOO, MICHIGAN, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE DUPLICATE WHIST COMPANY, OF SAME PLACE.

DUPLICATE-WHIST TRAY.

SPECIFICATION forming part of Letters Patent No. 657,737, dated September 11, 1900.

Application filed November 23, 1896. Renewed January 15, 1900. Serial No. 1,481. (No model.)

To all whom it may concern:

Be it known that I, REINHOLD IHLING, a citizen of the United States, residing at the city of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented a certain new and useful Duplicate-Whist Tray, of which the following is a specification.

My invention relates to improvements in duplicate-whist apparatus, and more particularly to improvements on duplicate-whist apparatus shown in the patent to Paine and Sebring, No. 462,448, dated November 3, 1891.

The objects of this invention are to provide means for retaining cards in the pockets which shall utilize the elastic qualities of the top or bottom board and be durable and easy to manufacture.

Other minor objects will appear definitely in the detailed description.

I accomplish these objects of my invention by the devices and means described in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of a duplicate-whist tray embodying the features of my invention, the intermediate blocks being indicated by the dotted lines. Fig. 2 is an inverted plan view of the same with the bottom-finishing sheet removed, indicating the method of formation. Fig. 3 is a sectional view of my improved tray on line 3 3 of Figs. 1 and 2, showing the preferred construction.

In the drawings similar letters of reference refer to similar parts throughout the several views.

The sectional view is taken looking in the direction of the little arrows at the ends of the section-lines.

Referring to the lettered parts of the drawings, A represents the bottom plate or board. A' is a similar plate or board for the top, which is of similar dimensions, only smaller. This is supported above the bottom board by corner blocks B, with a central block B', which form around the outer edge a series of four pockets, one on each side. The boards A A' are a sufficient distance apart so that the cards can be easily inserted or removed. The bottom plate being larger makes it much more convenient for inserting the cards. In

the bottom plate, toward the center of each pocket, I prefer to strike up a raised portion C, which makes a narrow space between itself and the upper board, so that when the cards are inserted it will put a stress upon the top and bottom boards, one at least of which is slightly elastic and will thus retain the cards in a very satisfactory manner. I am aware that a spring has been used in the position indicated within the pockets; but it will be observed that such constructions are more or less difficult to insert and are constantly getting out of order. With this construction a raised portion is formed within the pocket, and the elasticity of the boards clamp the cards. The elasticity may be secured by both the bottom plate A and the top plate A' or entirely by either one of them, thus making the construction exceedingly simple and easy to manufacture. I prefer to make the top and bottom plates A A' of tar-board, though it will readily be seen that any material possessing a slight elasticity will serve the purpose very well. The rounded projection C is clamped in this way upon the cards and is only of sufficient size to properly retain the cards and allow them to be slipped in and out with ease and safety. The device subjects the cards to little or no wear, while they are held perfectly and securely. No marks can be detected on the cards from the use of my improved tray.

From this description it must appear that the construction here shown can be greatly varied without departing from my invention.

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

1. The combination in a duplicate-whist tray of the bottom board A, and the top board A', of elastic material; corner blocks B, B, B, B, between the same and a central block B', dividing the same into four receptacles for the cards, and a raised portion C, struck up from one of the boards to form a clamp between it and the opposite board for securing the cards securely in place.

2. The combination in a duplicate-whist tray, of a suitable top board and bottom board, one of which shall be of elastic material, se-

cured together by suitable means and a little separated from each other to form pockets at the sides for the cards, and one of said boards having a raised portion struck up therefrom
5 within each pocket, projecting toward the opposite board to form a clamp between it and the opposite board to hold the cards as specified.

In witness whereof I have hereunto set my hand and seal in the presence of two witnesses.

REINHOLD IHLING. [L. S.]

Witnesses:

ALBERT H. HOWARD,
HENRY W. BUECHNER.