

No. 644,293.

Patented Feb. 27, 1900.

M. HOUSE.
BLACKBOARD RUBBER.

(Application filed May 27, 1899.)

(No Model.)

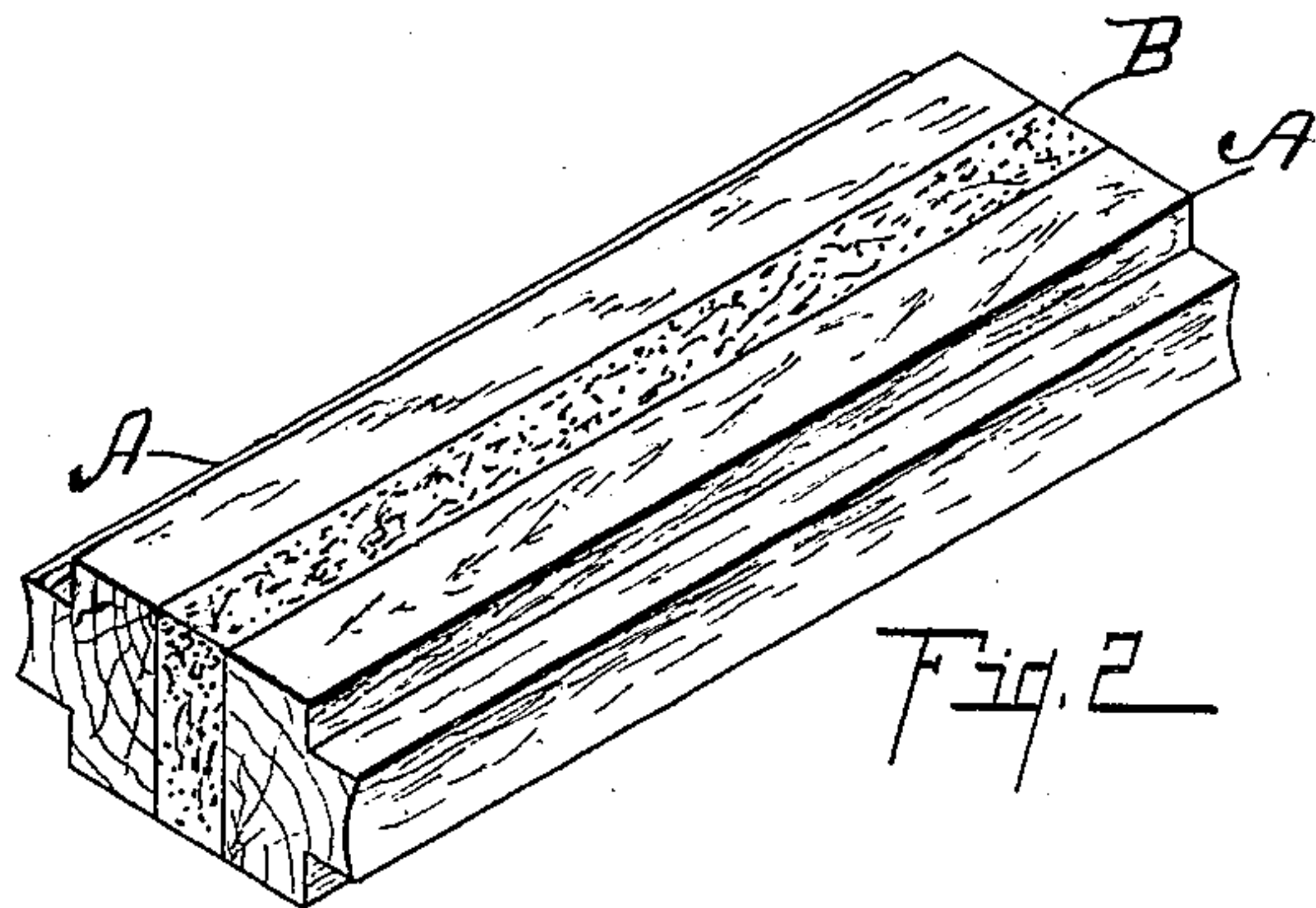


Fig. 2

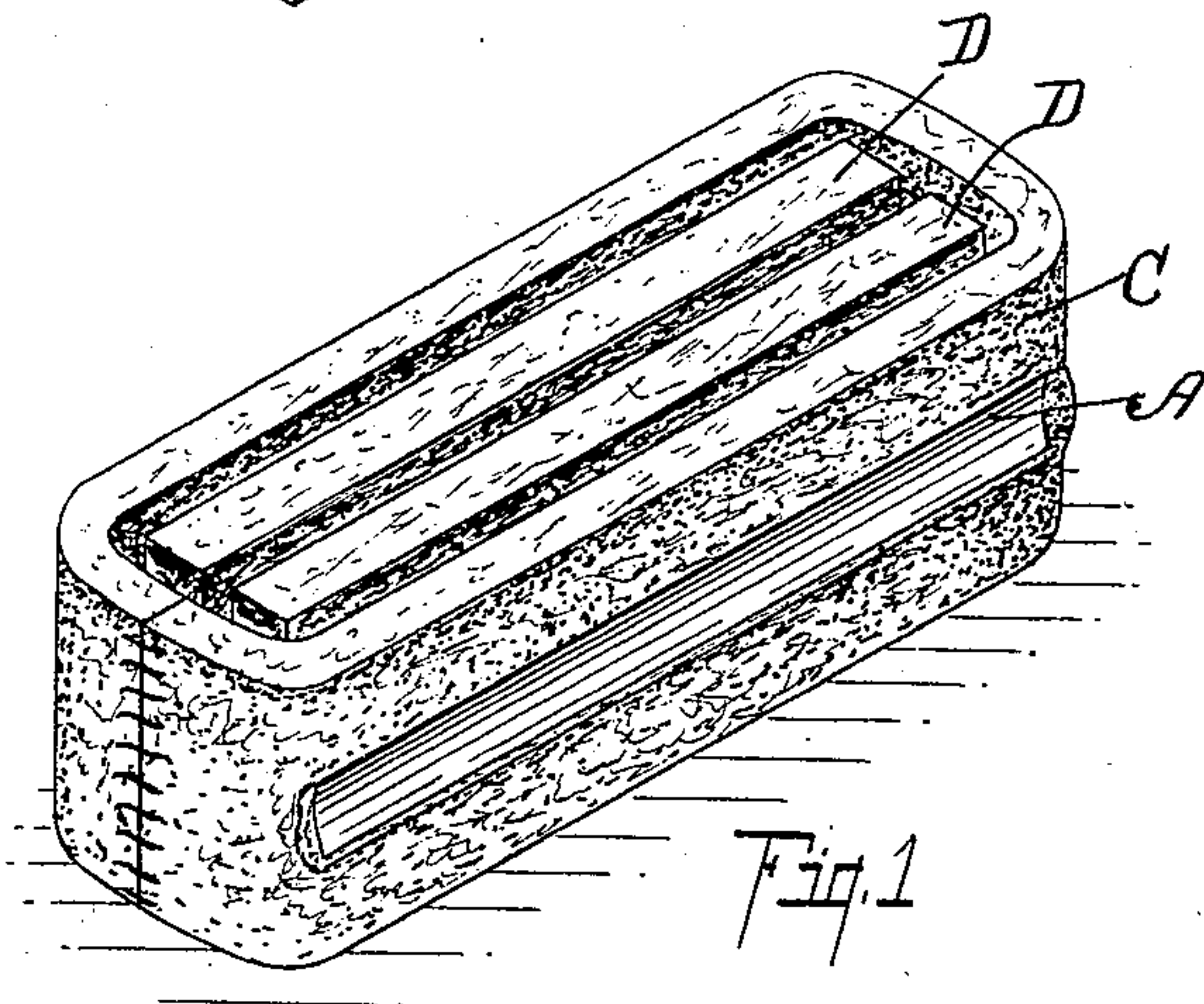


Fig. 1

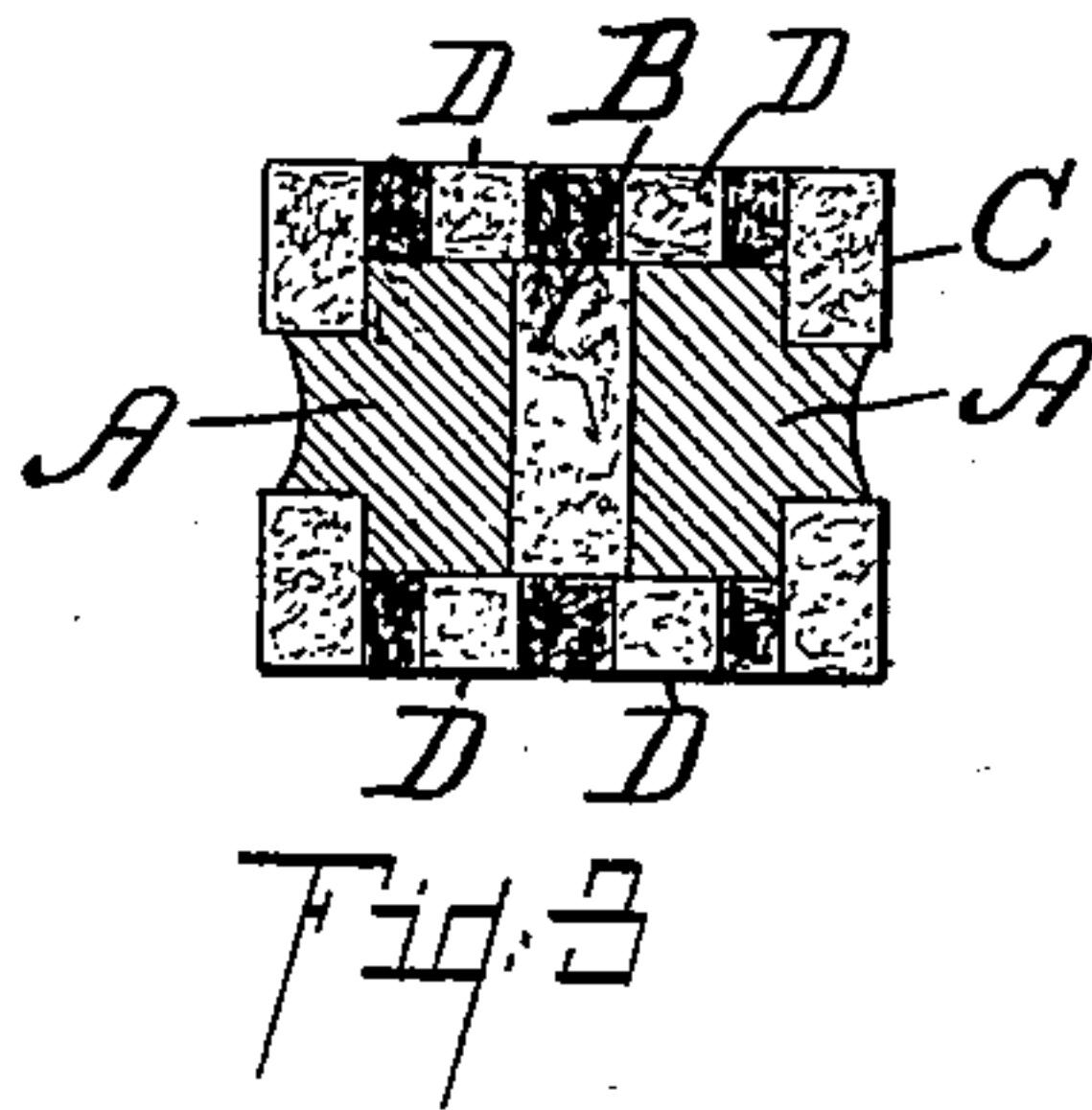


Fig. 3

Witnesses:

Otis R. Earl
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Att'y.

UNITED STATES PATENT OFFICE.

MANFRED HOUSE, OF KALAMAZOO, MICHIGAN, ASSIGNOR OF ONE-FOURTH
TO GEORGE HOUSTON, OF SAME PLACE.

BLACKBOARD-RUBBER.

SPECIFICATION forming part of Letters Patent No. 644,293, dated February 27, 1900.

Application filed May 27, 1899. Serial No. 718,609. (No model.)

To all whom it may concern:

Be it known that I, MANFRED HOUSE, a citizen of the United States, residing at the city of Kalamazoo, in the county of Kalamazoo
5 and State of Michigan, have invented certain new and useful Improvements in Blackboard Rubbers or Erasers, of which the following is a specification.

10 This invention relates to improvements in blackboard rubbers or erasers.

The objects of this invention are to provide an improved construction of blackboard-eraser which shall be substantial and noiseless, and also to provide a double-faced black-
15 board eraser which is substantially noiseless, in which the material is greatly economized in the manufacture. Further objects will definitely appear in the detailed description to follow. I accomplish these objects of my in-
20 vention by the devices and means described in this specification.

The invention is definitely pointed out, and described in the claims.

25 A structure fully embodying my invention is illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an isometric perspective view of a blackboard rubber or eraser embodying the features of my invention. Fig. 2 is also
30 an isometric detail perspective view of the block or base to which the rubbing-felts are secured, showing the cushioning part at the center. Fig. 3 is a transverse detail sectional view through the eraser appearing in Fig. 1.

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

Referring to the lettered parts of the drawings, A A represent suitable blocks of wood
40 or similar material with grooves rabbeted into the outer edges of the same, forming a projecting tongue or flange. The inner edges or sides of these are secured to each other by an intervening strip of felt or similar cushioning material B. On this block or base at
45 the center are secured the rubber-felts. The strip C is wrapped around the base or block

and has strips cut therefrom through which the tongue or flange between the rabbeted grooves projects to afford a suitable surface
50 to grasp the eraser when in use. The strips cut out of the felt at this point are glued to the face of the eraser, and are represented by the strips D D appearing in Figs. 1 and 3. These are separated from each other and also
55 from the band of felt C around the outside, and in connection therewith form the rubbing-face. Both the upper and lower surfaces of the eraser are felted in this way, making the same double-faced. As the felt
60 C projects slightly beyond the tongues of the block at each side the same is thoroughly cushioned, and the intervening felt or cushion B also serves to deaden the sound, and the eraser is as a consequence almost entirely
65 noiseless. The eraser can be provided, however, with but a single rubbing-face, allowing the felt C to project slightly at the back to serve as a muffler and prevent noise when
70 the eraser falls. It is, however, with this construction very economical to make the eraser double-faced, and the projecting portions at each side serve as a very satisfactory means of holding the same, and with the eraser
75 double-faced can be dropped a very considerable distance and make very little noise.

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

1. In a blackboard rubber or eraser, the
80 combination of the base, consisting of strips A, A, secured to each other by an intervening cushion B, of felt or similar material, and rabbeted on their outside edges to form projecting tongues; a band of felt C, around the
85 same with strips cut out at the side to allow the tongues of the center block or base to project; and narrow strips of felt D, secured to the face of the block at intervals, to increase the rubbing-surface, all coacting substan-
90 tially as described, for the purpose specified.

2. In a blackboard rubber or eraser, a block made up of strips with an intervening cushion of felt or similar material; and a suitable

rubbing-surface consisting of felt suitably secured thereto, coacting for the purpose specified.

3. In a blackboard-eraser, the combination
5 of a central base or block, the opposite sides of which are rabbeted to form projecting tongues; a band of felt around the same with strips cut out to allow the tongues to project;

and strips on the faces of said blocks, for the purpose specified. 10

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

MANFRED HOUSE. [L. S.]

Witnesses:

CASSA M. CHAPPELL,
OTIS A. EARL.