

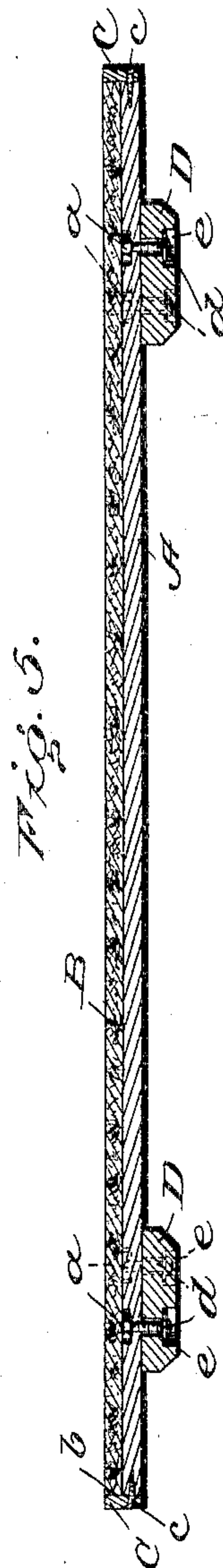
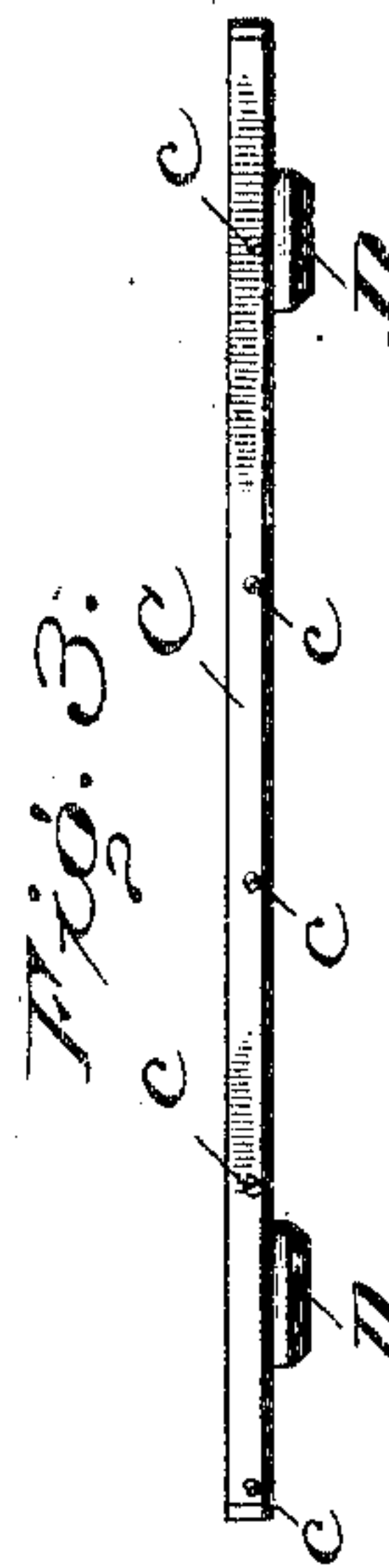
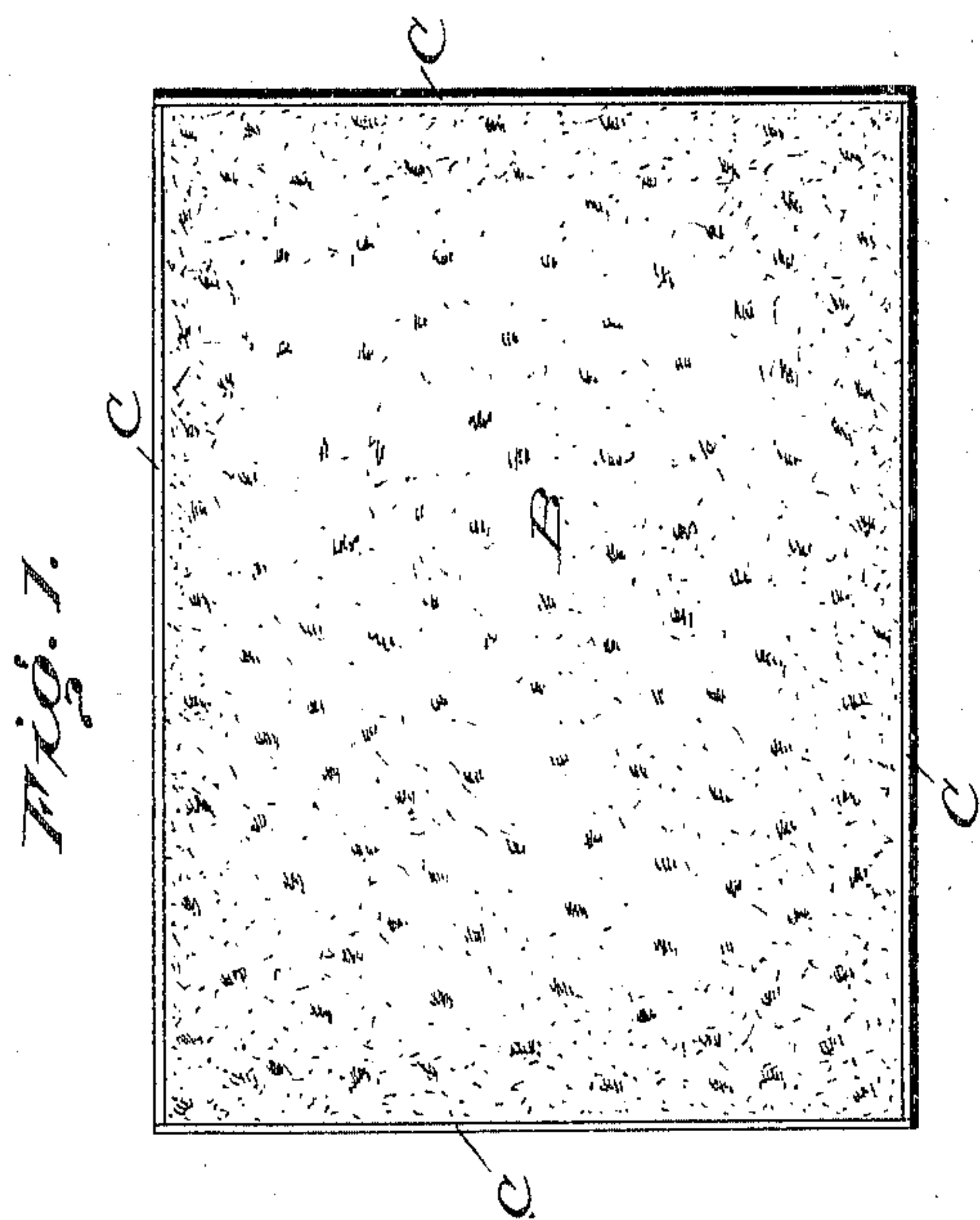
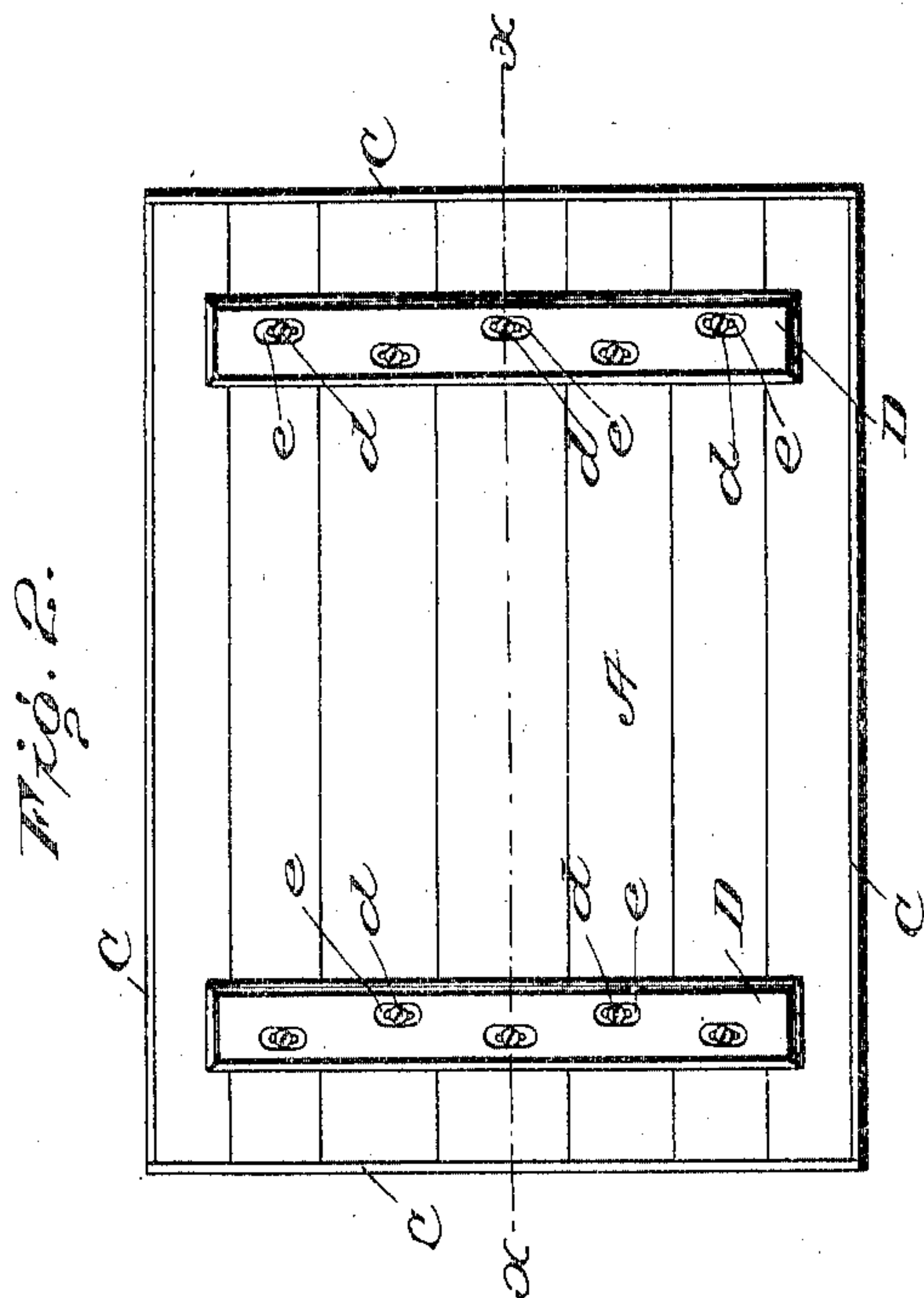
No. 789,585.

PATENTED MAY 9, 1905.

J. BARNARD & J. R. HUGHES.

DRAWING BOARD.

APPLICATION FILED FEB. 8, 1904.



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UNITED STATES PATENT OFFICE.

JULIUS BARNARD AND JAMES R. HUGHES, OF CHICAGO, ILLINOIS.

DRAWING-BOARD.

SPECIFICATION forming part of Letters Patent No. 789,585, dated May 9, 1905.

Application filed February 8, 1904. Serial No. 192,584.

To all whom it may concern:

Be it known that we, JULIUS BARNARD and JAMES R. HUGHES, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Drawing-Boards, of which the following is a specification.

Our invention relates to improvements in drawing-boards, drafting-tables, and devices of a similar nature, and more especially is the invention designed as an improvement in the face of drawing-boards and articles of like nature whereby certain advantages are gained which have heretofore been absent in inventions of this class.

More particularly, the present invention contemplates the formation of the front or upper face of a drawing-board in such a manner as to receive a soft yielding material therein, upon which may be placed the drawing to be made and into which may be easily inserted the necessary securing device for holding the drawing or other work upon the face of the drawing-board or drafting-table. The material found most desirable for this purpose is a formation of cork comprising scraps and shavings compressed into a continuous sheet, these sheets being cut in different sizes to be inserted into the faces of different-sized boards.

Although the main object of this invention lies in the formation of the drawing-board having a yielding material in its upper face, yet there are other details of construction which are manifest in the present invention and constitute a part thereof, these including the specific formation of the board-face, together with the reinforcing-strips surrounding the cork or yielding material, and the supporting lugs or members for the board, all of which shall be more particularly set out in the specification.

The advantages of the structure herein set out and constituting this present invention are many; but the main ones are that the paper may be easily fastened to the drawing-board or drafting-table provided with the present improvement by means of thumb-tacks; that the tacks although easily inserted

and firmly held in the cork or yielding material may yet be easily withdrawn; further, that the yielding material or cork is self-healing in that the holes made by the tacks close upon the withdrawal of the same from the cork, leaving no undue roughness on the surface, and that on account of the lightness of the cork a solid oak back or other material forming a firm strong board may be employed with less weight than in the ordinary board without the present improvement. It is further to be noted that the reinforcing or binding strip of wood surrounding the edges of the board and the cork offers a square edge for the use of a T-square, the edge being subject to less change in outline than the ordinary pine board. It is also to be noticed that the least possible wood is used in this construction, and the shrinking and warping usually found in boards is entirely obviated, and that when tracings and drawings are made directly upon the face of the drawing-board the cork or other yielding material presents a better working surface, due to its resiliency and to the above-mentioned feature of the self-healing nature of the cork, which prevents the formation of objectionable holes on the surface thereof.

Further details of this invention will appear hereinafter and can be readily understood upon reference to the drawings accompanying this specification and forming a part thereof, in which—

Figure 1 is a top plan of the drawing-board, showing the cork facing therein. Fig. 2 is a bottom plan showing the lugs or strips upon the bottom of the table or board. Fig. 3 is a side view in elevation of the drawing-board as seen in Fig. 1. Fig. 4 is an end view of the invention. Fig. 5 is a cross-section on line X X of Fig. 2.

Referring more particularly to the drawings, A represents the backing or wooden bracing portion of the drawing-board and is shown as formed of a series of strips, but may be formed in any other well-known fashion.

B represents a cork facing set down upon and securely attached by glue or in any other well-known fashion to the backing A of the drawing-board, this facing being composed

of sheet-cork consisting of scraps and shavings compressed into large sheets which have been cut to meet the required size of board. Screwed upon the margins or edges of the backing A are hard-oak strips C, which are secured to the back A by means of fastening members or screws *c*, which strips are disposed perpendicularly to the back A. These margin-strips project above the upper face of the back A, forming a recess *b*, into which fits the cork facing B, as is readily apparent from the drawings.

Upon the end face of the back A there is secured a pair of supporting members D, which consist of rectangular strips of any desired thickness extending transversely across the bottom of the board, which serve to lift it above whatever object it may be placed upon when in use. These strips D have openings *e* therein, which are adapted to receive securing members or screws *d*, which engage nuts or other suitable holdfast devices *a*, seated in recesses formed in the upper face of the backing A, and securely hold the strips of said backing securely together.

The details of the invention have now been

described and the advantages thereof have hereinbefore been pointed out. The object of the invention is to produce a new device of the class described which is simple in structure, easily used and handled, and which obviates many of the former objectionable features in this line of invention. We therefore believe that the present invention is broadly new in this art, and it is therefore to be understood that we may make such changes, variations, and modifications therein as properly come within the protection prayed.

What we claim, and desire to protect by Letters Patent, is—

A drawing-board comprising a base and a non-flexible sheet of compressed scrap cork mounted thereon forming the working face of the board.

In testimony whereof we have signed our names to this specification in presence of two witnesses.

JULIUS BARNARD.
JAMES R. HUGHES.

Witnesses:

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J. R. McDONALD.