

(No Model.)

E. J. BROOKS.
INKING PAD.

No. 438,571.

Patented Oct. 14, 1890.

FIG. 1.

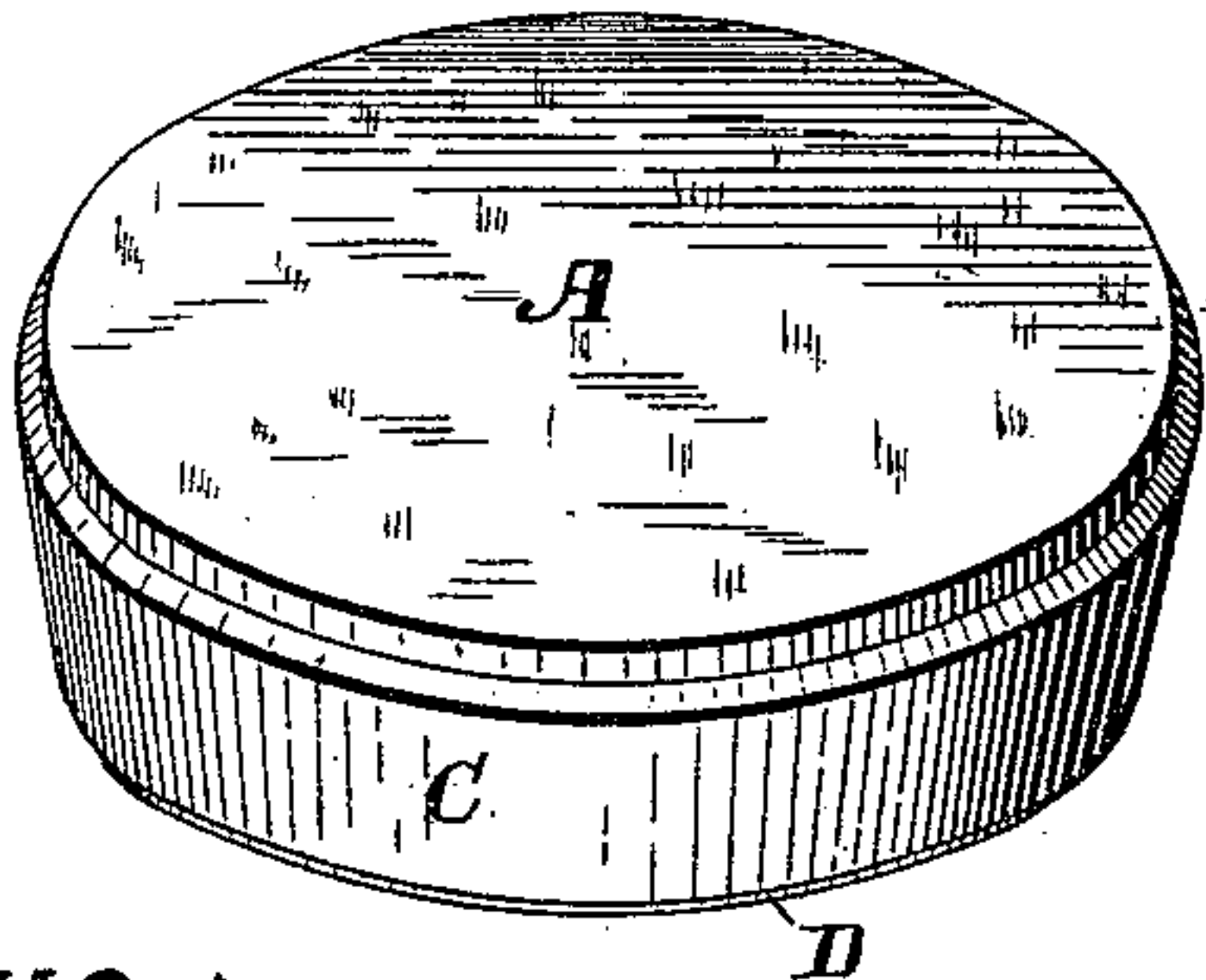


FIG. 2.

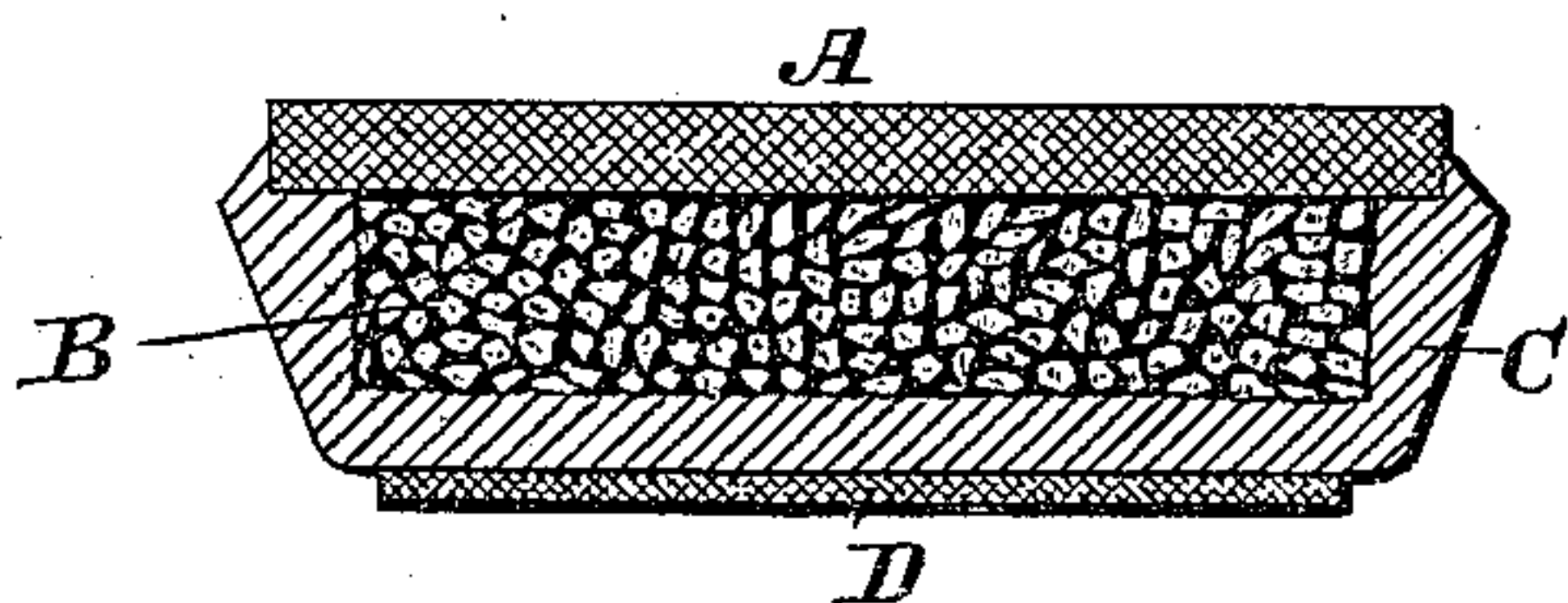


FIG. 3.

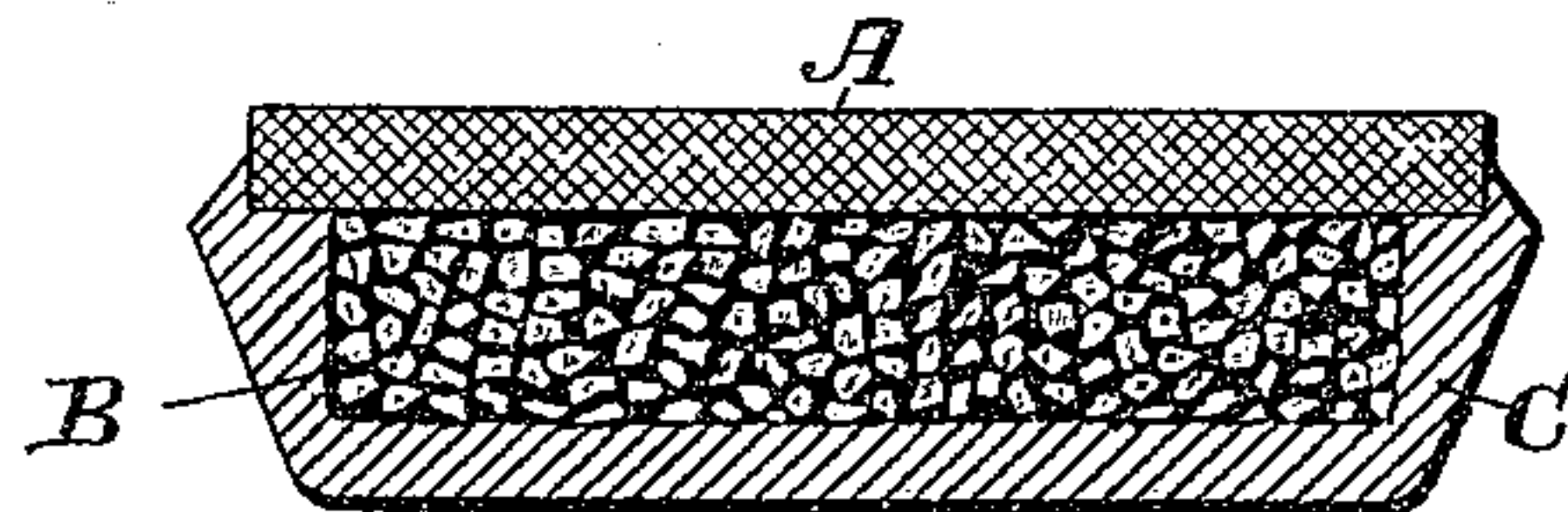


FIG. 4.

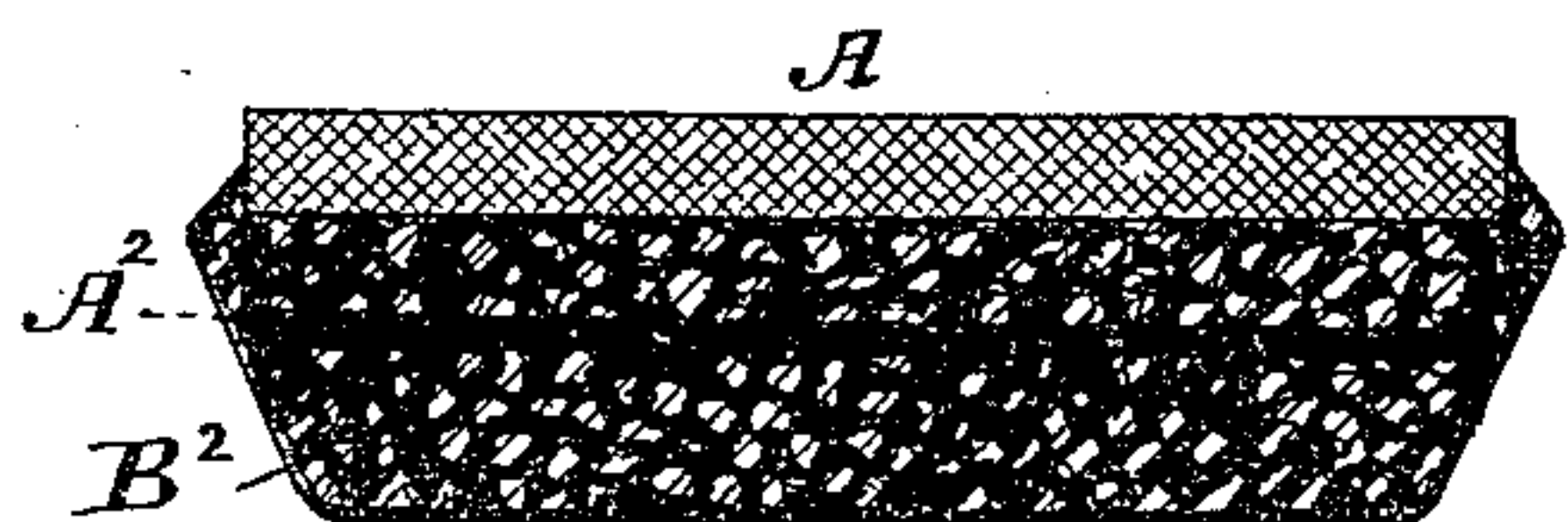


FIG. 5.

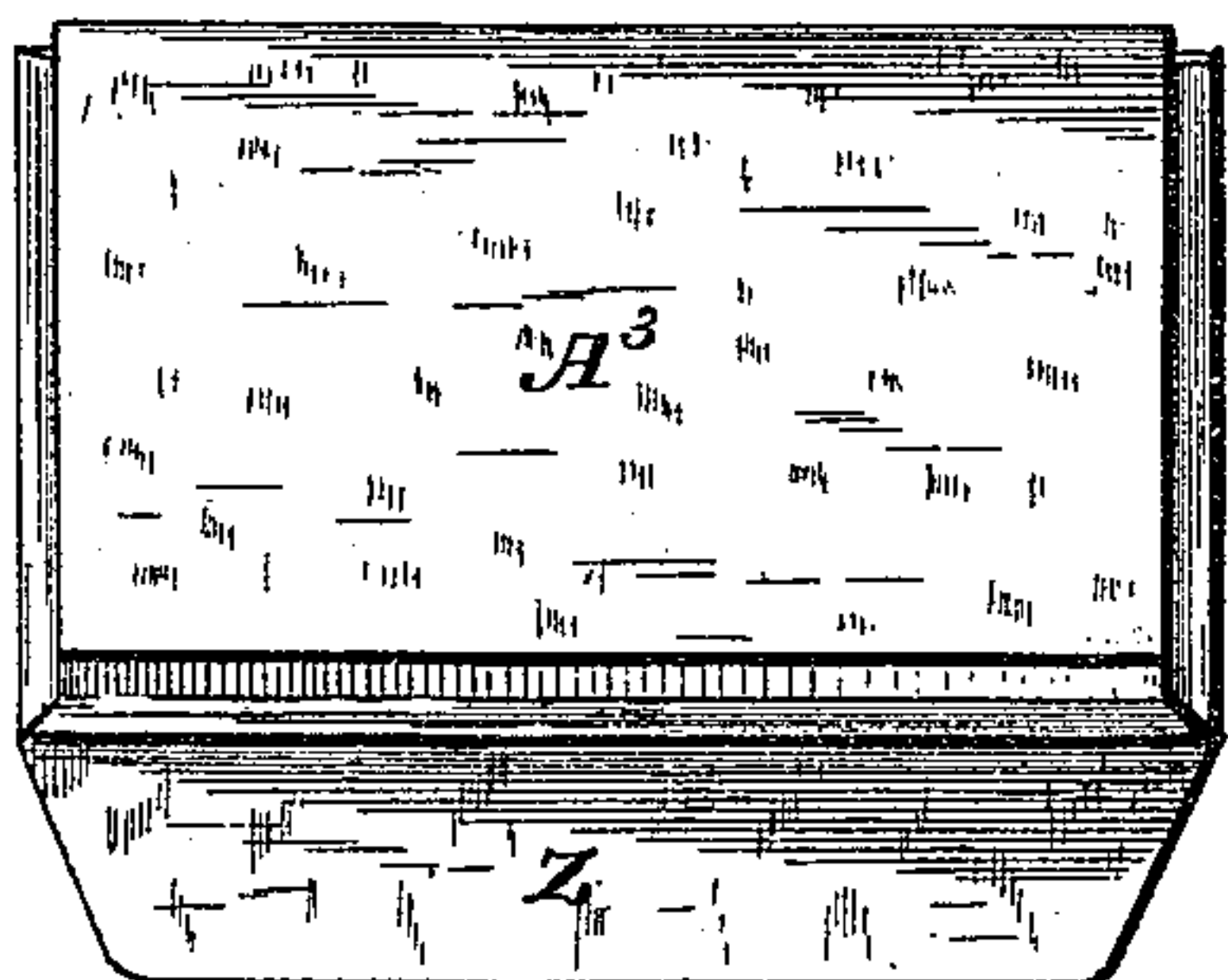


FIG. 6.

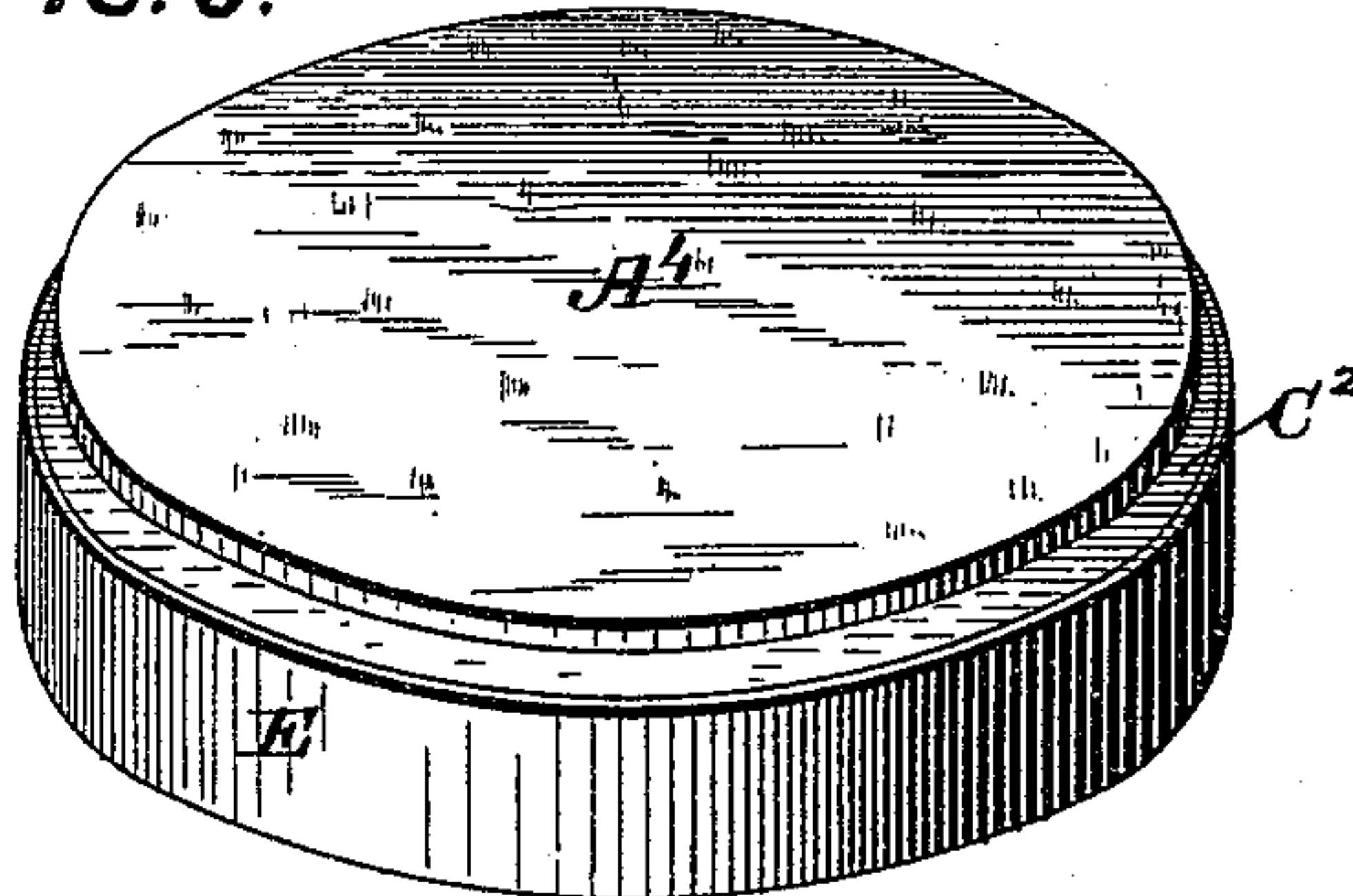


FIG. 7.

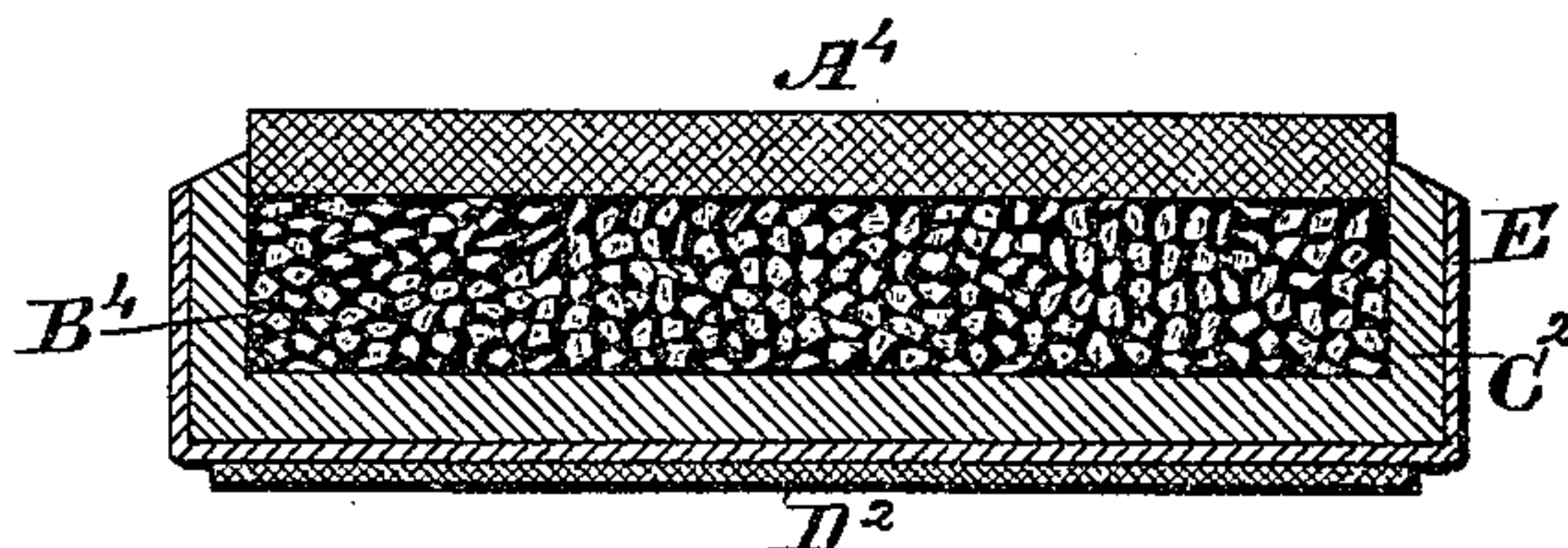


FIG. 8.

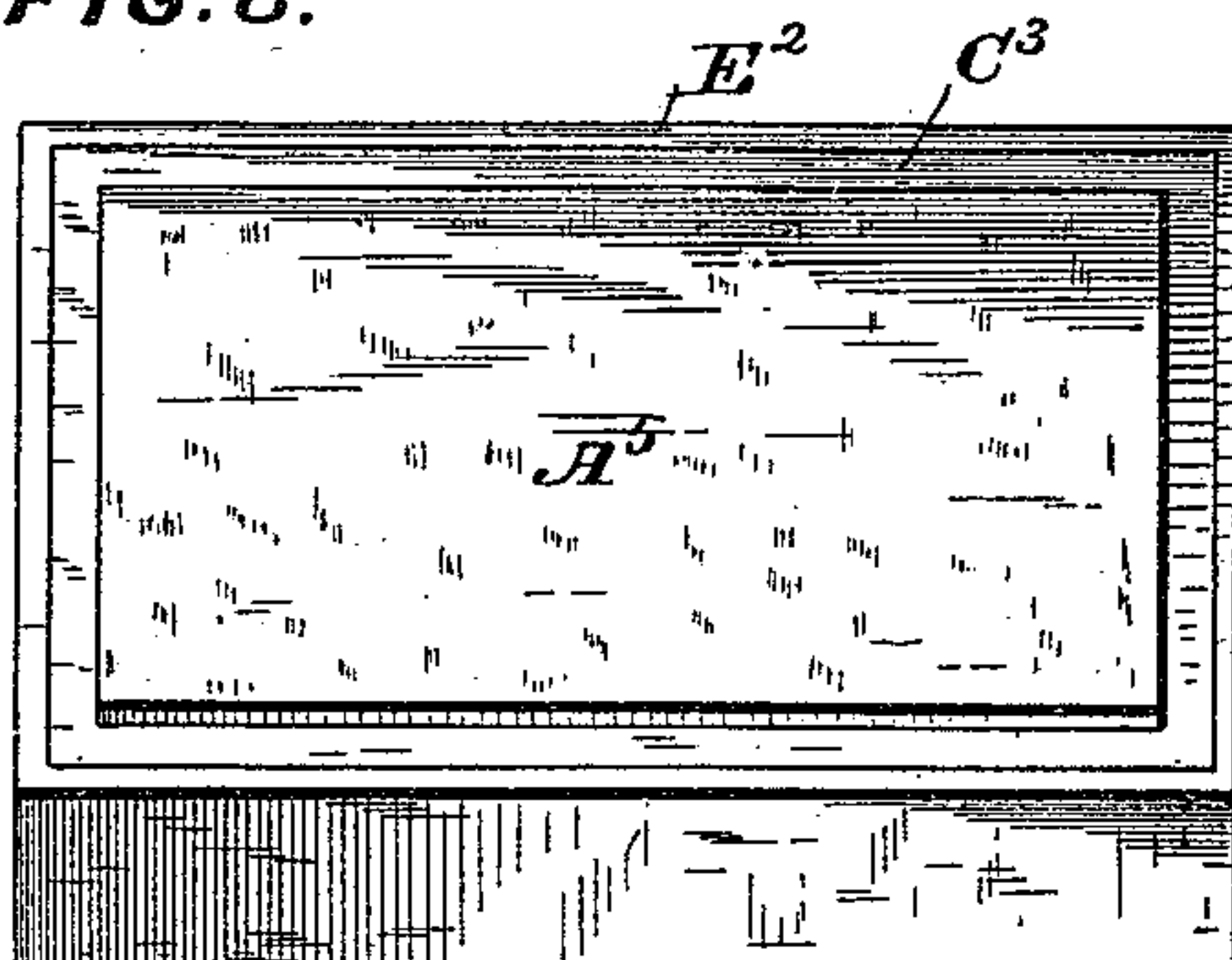


FIG. 9.

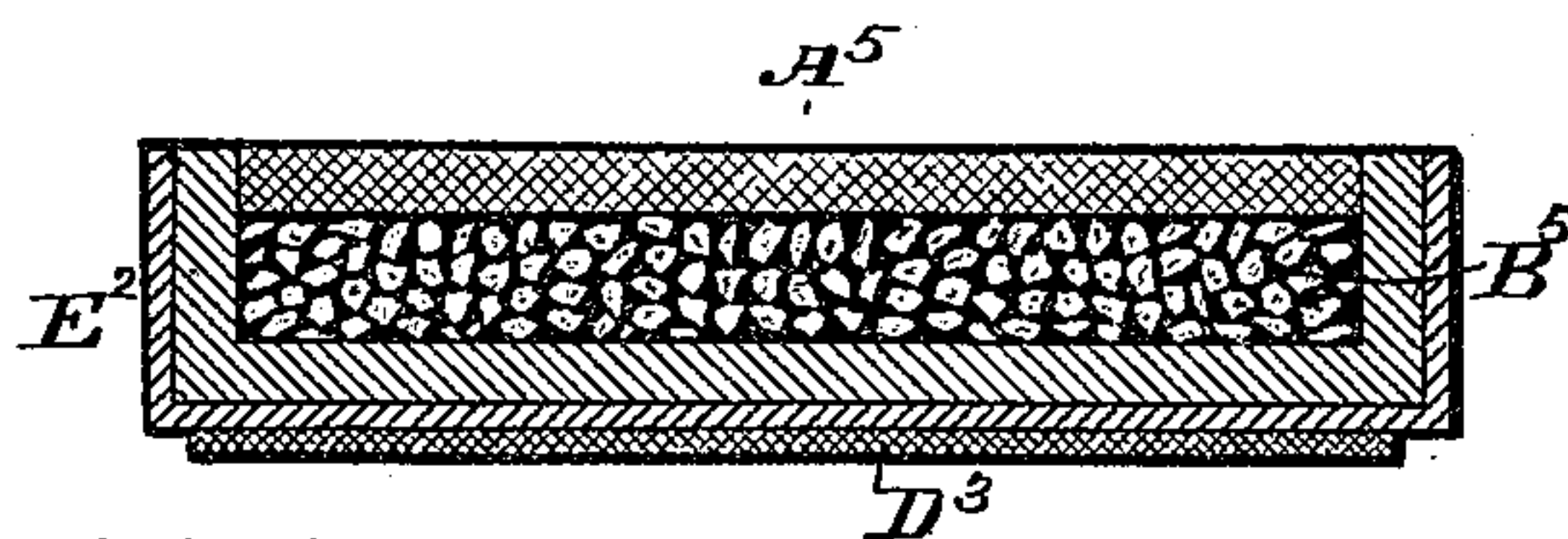
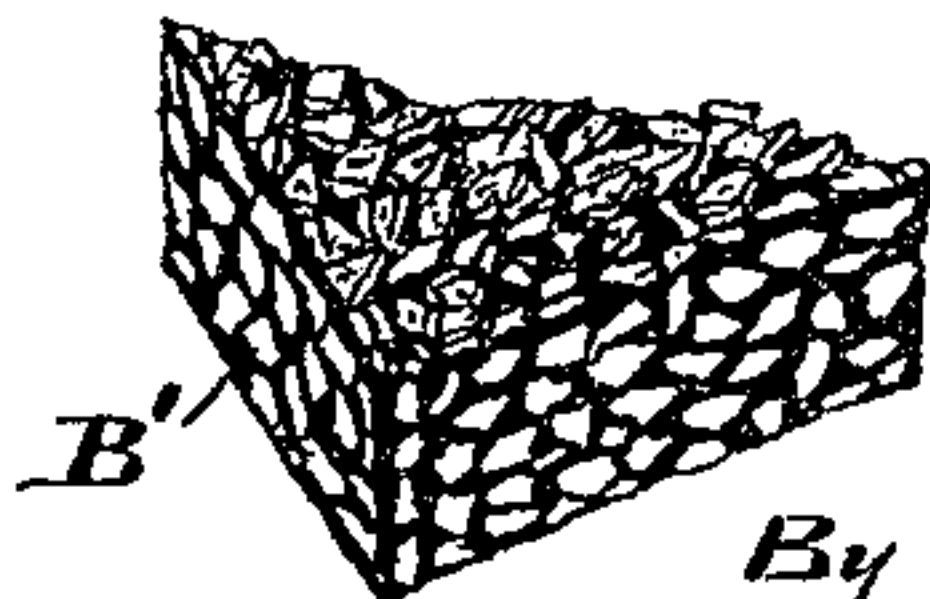


FIG. 10.



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UNITED STATES PATENT OFFICE.

EDWARD J. BROOKS, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO E. J. BROOKS & COMPANY, OF NEW YORK, N. Y.

INKING-PAD.

SPECIFICATION forming part of Letters Patent No. 438,571, dated October 14, 1890.

Application filed July 30, 1890. Serial No. 360,333. (No model.)

To all whom it may concern:

Be it known that I, EDWARD J. BROOKS, a citizen of the United States, and a resident of East Orange, in the State of New Jersey, have invented a new and useful Improvement in Inking-Pads, of which the following is a specification.

This invention relates to "felt pads" primarily designed for use by postmasters for inking stamp-canceling and post-marking hand-stamps.

Heretofore such pads have been made with a top of thick ink-holding felt supported by an elastic body of "roller composition" or a gelatine compound, such as is used for printers' inking-rollers, but serving exclusively to cushion the felt.

The objects of the present invention are, first, to furnish such pads with an elastic support that will so cushion the felt as to reduce noise and prevent injury to the stamps, and will at the same time insure more uniformly inked dies and more perfect impressions, and, secondly, to supplement such improved support with an outer portion of the said gelatine compound, to more securely attach the felt, and to render the pad more elastic, as hereinafter more fully set forth.

A sheet of drawings accompanies this specification as part thereof.

Figure 1 of these drawings is a perspective view of a round pad, illustrating this invention. Fig. 2 is a vertical section of the same. Figs. 3 and 4 are views similar to Fig. 2, representing additional species. Figs. 5 and 6 are perspective views of pads of other shapes, illustrating the same invention. Fig. 7 is a vertical section of the pad represented by Fig. 6. Figs. 8 and 9 are perspective and sectional views of another square pad, and Fig. 10 is a fragmentary perspective view illustrating the preferred mode of manufacture.

Like letters of reference indicate corresponding parts in the several figures.

In each of the inking-pads represented by the drawings a top layer A or A² or A³ or A⁴ or A⁵ of suitable felt is cushioned, as regards its center at least, by an elastic support B or B² or B⁴ or B⁵, that is less pliable

than the support composed wholly of roller composition or gelatine compound heretofore employed, but elastic enough to deaden noise and to prevent injury to the dies of stamp-canceling and post-marking hand-stamps. The result is that when the pad is struck the felt does not sink in the middle or become dished and the die is more evenly inked than heretofore. The improved support may when confined to the center of the felt be composed of one or more layers of cork or the like cut to the right size and shape; but I preferably employ ground cork, cork-dust, or shavings of cork embedded in gelatine compound, which "cork mixture," as it is hereinafter termed, is much cheaper than cork and quite efficient. More or less elastic particles of other suitable substances may also be combined with gelatine compound in like manner to form a less pliable support and to cheapen the pad.

In the pad represented by Figs. 1 and 2 an outer portion C of the more elastic gelatine compound embraces the edges of the felt A and the sides and bottom of the less pliable elastic support B of cork mixture, and a thin bottom layer D of felt protects the pad against adhering to a desk or the like on which it is used.

Fig. 3 represents the same pad as Figs. 1 and 2 with said bottom felt D omitted. A coating of suitable varnish renders the outer surfaces of the gelatine compound sufficiently non-adhesive.

Instead of so inclosing the improved elastic support, the base of the pad may be composed wholly of such cork mixture, as represented at B² in Fig. 4, and in any make of the improved pad two or more top layers of felt may be employed, if preferred, as represented by the line at A², Fig. 4.

Such pads are molded of the desired shape, and as illustrated by Fig. 5 the top felt A³ may be square, (or of other shape,) as well as round, with a base Z of corresponding shape, and of any of the structures represented by Figs. 2, 3, and 4.

In each of the species represented by Figs. 6 to 9, inclusive, the pad is composed of a

round or square top felt A⁴ or A⁵, an under-
lying cork-mixture support B⁴ or B⁵, an elas-
tic binding portion C² or C³ of the gelatine
compound, a rigid casing E or E² of wood,
5 metal, or the like, and a bottom felt D² or D³,
applied to such casing. As thus combined
with a rigid casing, the top felt may project,
as at A⁴, Figs. 6 and 7, or may be flush (or
sunken) as at A⁵, Figs. 8 and 9.

10 In the preferred mode of making such pads
the cork mixture is molded in flat sheets, as
represented by a fragment at B', Fig. 10, and
pieces of proper size and shape for the sup-
ports B B², &c., are stamped therefrom, and
15 introduced into the molds or into the casings
E E² in proper position. When the gelatine
compound is cast around such cork-mixture
supports, as at C C², &c., the gelatine com-
pound in the latter unites with that of the
20 outer portion and the whole is inseparably
joined in one mass. The gelatine compound
in the cork mixture serves also to adhesively
attach the top felt at practically every por-
tion of its area and not only at its margin.

Details which have not been specified may 25
be of any approved description, and I do not
limit my respective claims as to details ex-
cept as therein expressly stated.

Having thus described such inking-pads, I
claim as my invention and desire to patent 30
under this specification—

1. An inking-pad having an ink-absorbent
top of suitable felt cushioned by an elastic
support that is composed of particles of cork
or the like embedded in gelatine compound, 35
substantially as hereinbefore specified.

2. An inking-pad having an ink-absorbent
top of felt, an elastic cushioning and binding
portion of gelatine compound or the like, and
a relatively inflexible elastic support imme- 40
diately underlying the top felt, such elastic
support being composed of particles of cork
or the like embedded in gelatine compound,
substantially as hereinbefore specified.

EDWARD J. BROOKS.

Witnesses:

N. S. KLINE,
H. L. C. WENK.