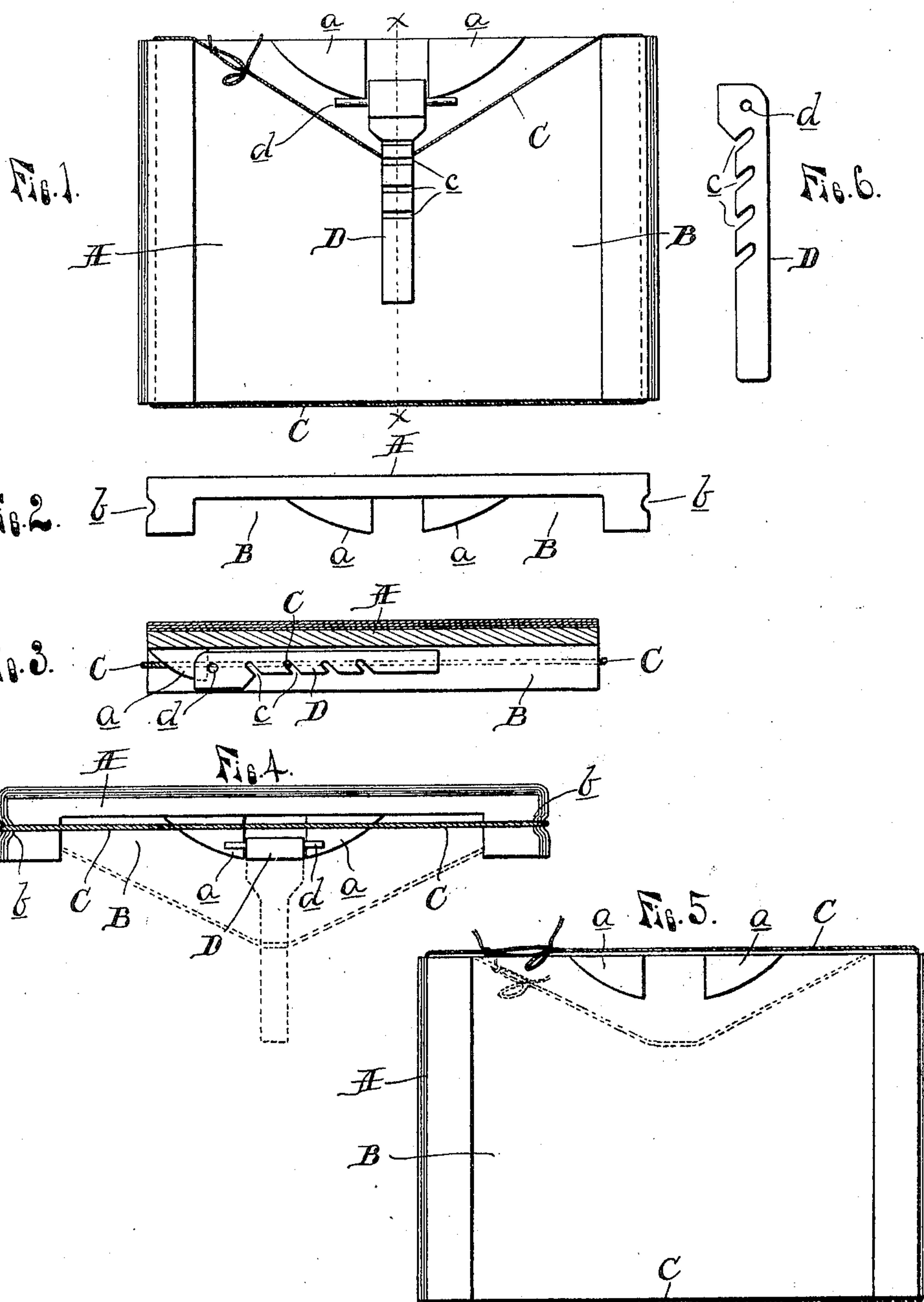


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G. R. SCHIMMEL.
MIXING TILE.

APPLICATION FILED AUG. 24, 1905.



WITNESSES:

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GUSTAV R. SCHIMMEL, OF DETROIT, MICHIGAN.

MIXING-TILE.

No. 812,953.

Specification of Letters Patent.

Patented Feb. 20, 1906.

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To all whom it may concern:

Be it known that I, GUSTAV R. SCHIMMEL, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Mixing-Tiles, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to that kind of pharmaceutical appliance used by druggists for mixing the ingredients in the preparation of ointments and pills.

The object of my invention is to provide an ointment or pill slab adapted to firmly but 15 removably hold a sheet of suitable paper or any number of such sheets in position upon the slab for forming a suitable rigid surface for rolling or mixing the different ingredients, thereby obviating the necessity of performing 20 the disagreeable task of washing and cleaning the slab after use, as it is done in the old way.

The invention consists in the construction 25 of the slab, in combination with an adjustable paper-clamp for fastening thereupon any desired number of sheets, all as more fully hereinafter described, and shown in the accompanying drawings, in which—

30 Figure 1 is a plan of my device looking at the under side thereof. Fig. 2 is an end elevation of the slab, the paper and fastening device being removed. Fig. 3 is a cross-section on line *x x* in Fig. 1. Fig. 4 is a side elevation. Fig. 5 is a bottom plan similar to 35 Fig. 1 with the fastening device removed. Fig. 6 is a detached elevation of the tightening-lever.

A is a slab of porcelain or other suitable 40 earthenware reinforced along two opposite edges to form a recess B upon its under side, which is provided with two depending lugs *a*, and the reinforced edges of the slab have grooves *b* formed in them, which grooves are 45 in a plane below that of the bottom of the recess.

C is a cord looped around the slab, with the ends of the cord tied together, and D is a 50 tightening-lever for the cord having a series of notches *c* to engage with the cord. This lever is provided with a fulcrum-pin *d*, adapted to abut the lever against the lugs *a* and permit it of being folded into the recess, all so arranged as to make the lever self-locking 55 when the cord is properly tightened.

In practice sheets of paper of suitable de-

scription and to the desired number and cut to a size which permits the opposite ends to be folded down over the ends of the slab are fastened to the slab by first tying the cord 60 around it and then tightening and fastening it by means of the lever, the two together forming a paper-clamping device which not only firmly fastens the sheets to the slab, but stretches them tightly over it by the action of 65 the cord in pressing the paper into the grooves, and in the manipulation of mixing the ingredients upon the top sheet it is not possible for the paper to wrinkle or become loosened. After use the soiled sheet on top can be 70 readily removed by loosening the cord by means of the lever, and when the lever is tightened again the slab is ready for another operation. By having the series of notches 75 in the lever there is no need of retying the cord, since the slack can be taken up by the lever to compensate for the increase of slack resulting from the removal of the soiled sheets.

My paper-clamping device not only has the 80 advantage of firmly clamping and stretching a variable number of sheets of paper and of providing compensating means for taking up the slack as the number of sheets lessen, but in its peculiar application to the slab it pre- 85 sents the important advantage of exposing the paper at the edges of the slab and making it thus convenient for the operator to scrape off the spatula on the edges of the slab above the binding-cord, as well as in scraping off 90 the exposed surface of the sheet, thereby facilitating the work and assisting in doing it cleanly and economically. Instead of using a cord the ends of which are tied together by a simple knot to form a loop of adjustable size 95 to engage with the tightening-lever it is obvious that an endless band of some suitable flexible material may be substituted.

Having thus fully described my invention, what I claim is—

1. In an ointment or pill slab, the combination with the slab, of a paper-clamping 100 device comprising a cord looped around the slab and engaging therewith upon two opposite ends and a clamping-lever on the under side of the slab and arranged to engage with a bight in the cord and tighten the loop.

2. In an ointment or pill slab, the combination with the slab having the reinforced 105 ends forming a recess in the under side of the slab, of a cord looped around the slab and engaging on the reinforced ends of the slab, and

a clamping-lever fulcrumed in the recess on the under side of the slab and adapted to engage with a bight of the cord and tighten the loop.

5 3. In an ointment or pill slab, the combination of a slab having reinforced ends provided with grooves, a cord or band looped around the slab and engaging into said grooves and a clamping-lever fulcrumed upon
10 the under side of the slab and provided with a series of notches adapted to engage with a bight in the loop of the cord.

4. In an ointment or pill slab, the combination of a slab having reinforced ends forming between them a recess on the under side
15 of the slab and provided with grooves in said ends below the plane of the bottom of the recess, and a self-locking clamping-lever fulcrumed in the recess and provided with a series of notches adapted to variably engage
20

with a bight in the loop of the cord for tightening the same.

5. In an ointment or pill slab, the combination of a slab having reinforced ends forming between them a recess on the under side
25 of the slab and provided with grooves in said ends and with depending lugs in the recess, a cord or band looped around said slab and engaging into said grooves and a clamping-lever provided with a fulcrum-pin adapted to
30 fulcrum said lever upon the depending lugs and lock the same in position, said lever provided with a series of notches for engagement with a bight in the loop of the cord.

In testimony whereof I affix my signature
35 in presence of two witnesses.

GUSTAV R. SCHIMMEL.

Witnesses:

OTTO F. BARTHEL,
OLIVER E. BARTHEL.