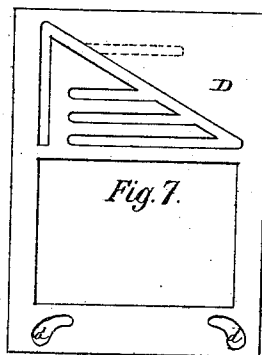
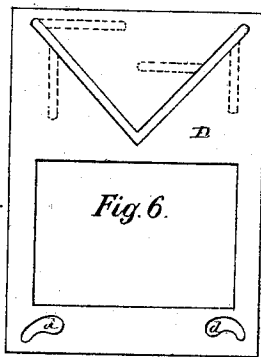
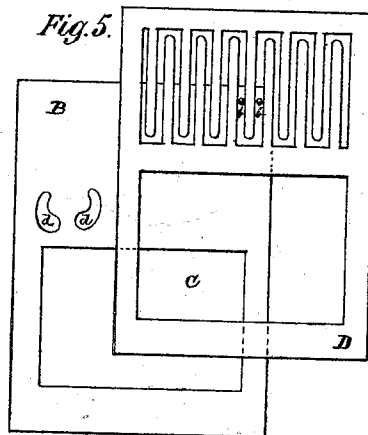
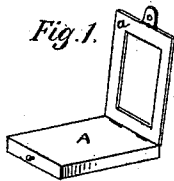
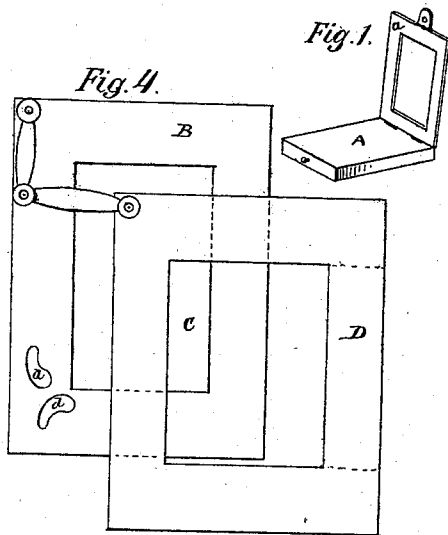
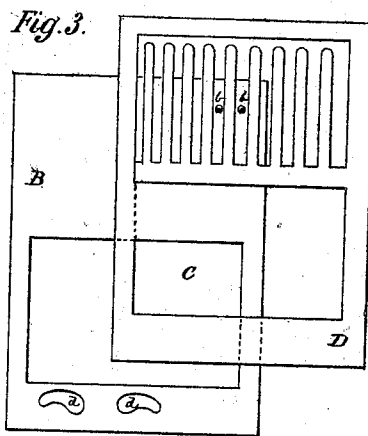
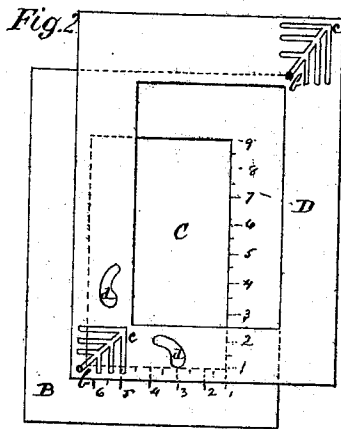


A. J. Schaphir,
Spreading Medical Plasters.
No. 113,453. *Patented Apr. 4. 1871.*



Witnesses:
Fred. Artis-
E. J. Schaphir

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United States Patent Office.

ADOLPH J. SCHAFHIRT, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 113,453, dated April 4, 1871.

IMPROVEMENT IN APPARATUS FOR SPREADING MEDICAL PLASTERS.

The Schedule referred to in these Letters Patent and making part of the same.

I, ADOLPH J. SCHAFHIRT, of the city and county of Washington, in the District of Columbia, have invented certain new and useful "Improvements in Apparatus for Spreading Medicinal Plasters," of which the following is a specification, reference being had to the accompanying drawing making a part of the same.

The nature and object of my invention is to make an adjustable apparatus, by means of two perforated plates sliding one upon the other, whereby different-sized plasters can be made with the same, such want being long felt by the druggist and apothecary.

In the drawing—

Figure 1 represents the apparatus in common use; Figure 2 represents my improved adjustable apparatus; while

Figures 3, 4, 5, 6, and 7 show modifications or equivalents of the same.

In fig. 1—

A represents a block, to which the lid α is hinged, the latter holding secure the skin or fabric (on which the plaster is to be spread) upon the former, for which purpose any ordinary clamping apparatus can be used. In my improvement I use two plates, the upper sliding upon the lower, which lower one I propose hinging to a block, as is usually done; but this is not necessary.

In fig. 2—

B represents the lower plate, from which project two screws or other pins, b , which pass through slots c at opposite corners of top plate D. Besides the diagonal slots I have others, vertical and horizontal, or lateral, &c.

It will readily be seen how, by moving the top plate D up or down and sidewise, the space C can be con-

tracted or enlarged, thus enabling the apothecary to regulate the size of his plasters, which vary from 10×12 to 1×2 , &c.

In either of the plates B or D I can make openings d for the plasters to be applied behind the ears; and two sides of either plate (the lower preferred) may be marked off in inches and half inches, or smaller, as seen in fig. 1, by which to gauge the size of the plasters.

The pins b b may have clamp-buttons on them where screw-pins are used.

Fig. 3 shows a modification, showing two movements, one vertical and the other horizontal, b b showing the pins which pass through the slots.

Fig. 5 shows a variation, not differing essentially from the device shown in fig. 3, having two movements.

Fig. 4 shows an adjustment by means of two or more pivoted arms.

Figs. 6 and 7 show other variations of the top plate, which will be readily understood, and on these plates other slots may be made to vary the adjustments.

Having described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

A device for spreading medical plasters, composed of two plates, the one movable upon the other, so as to enlarge or contract the form or pattern of the plaster, substantially as shown and described.

ADOLPH J. SCHAFHIRT.

Witnesses:

S. S. FAHNESTOCK,
M. S. HOPKINS.