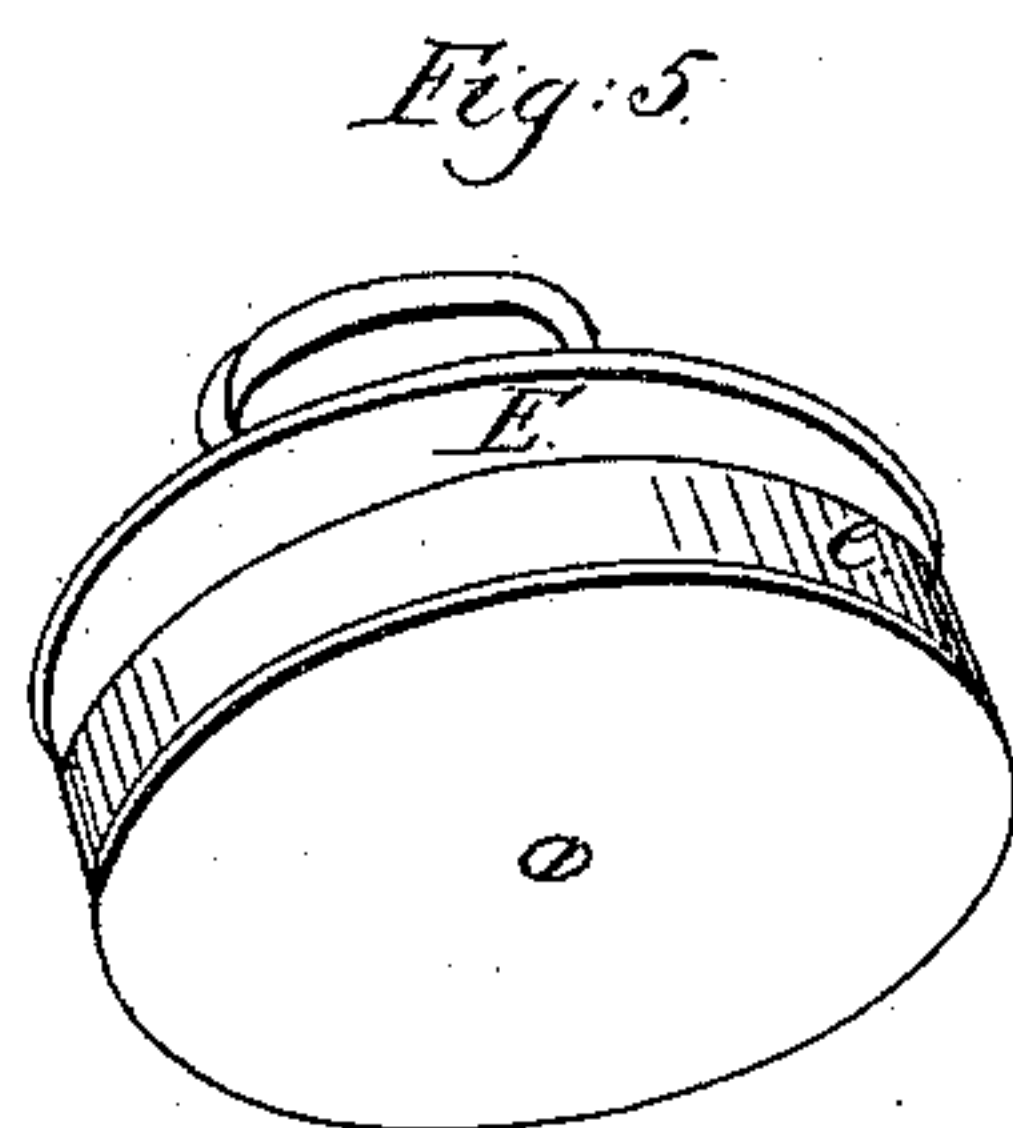
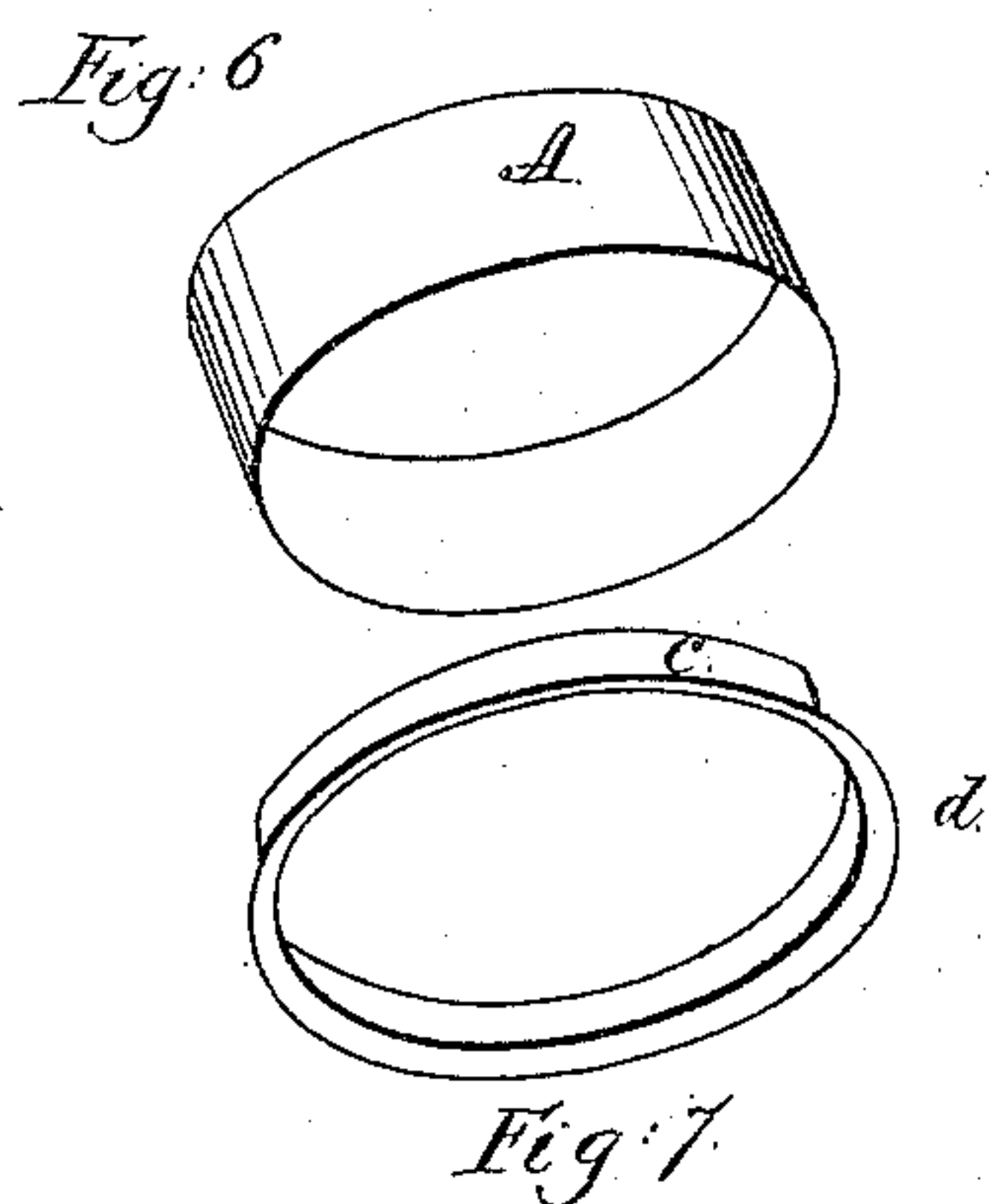
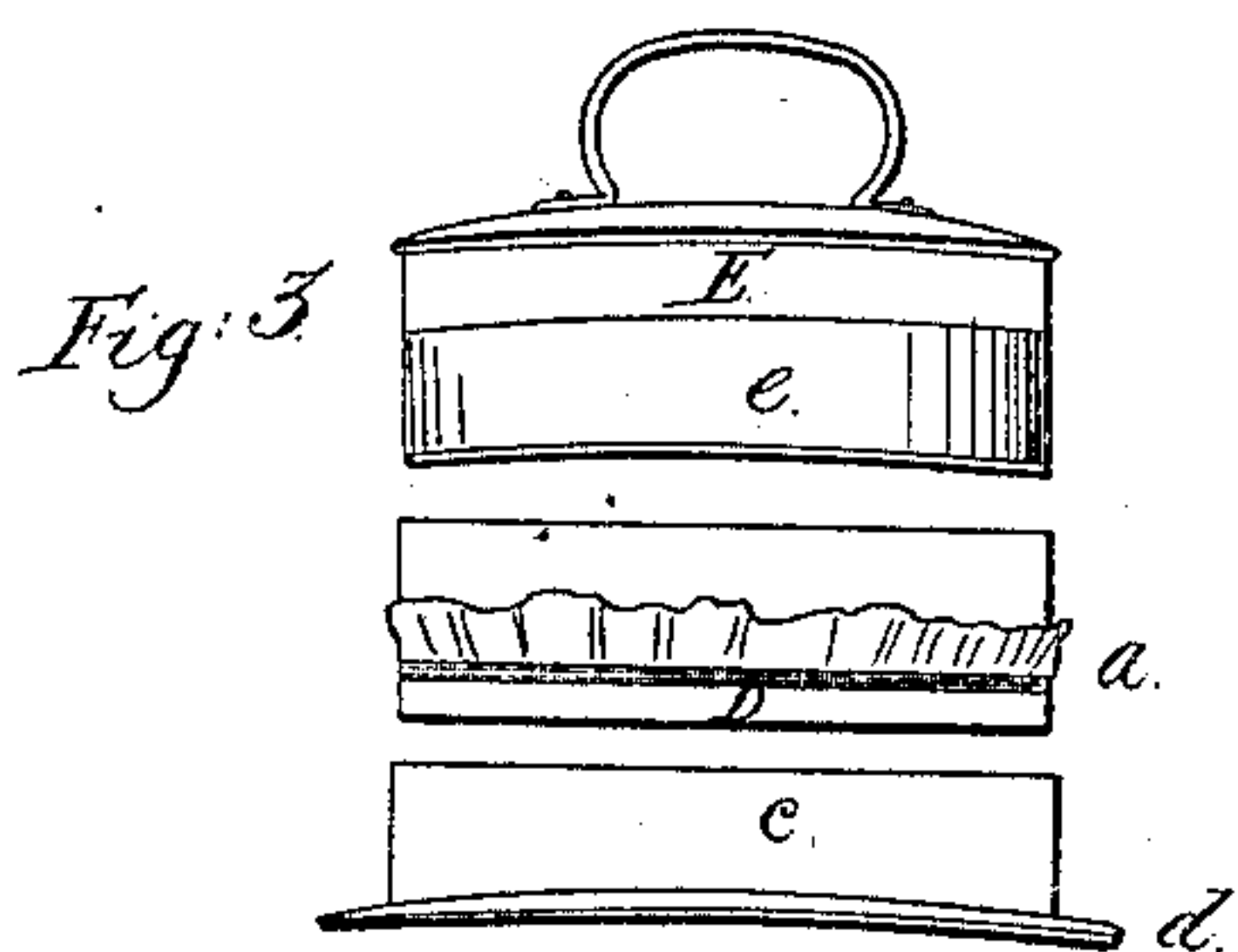
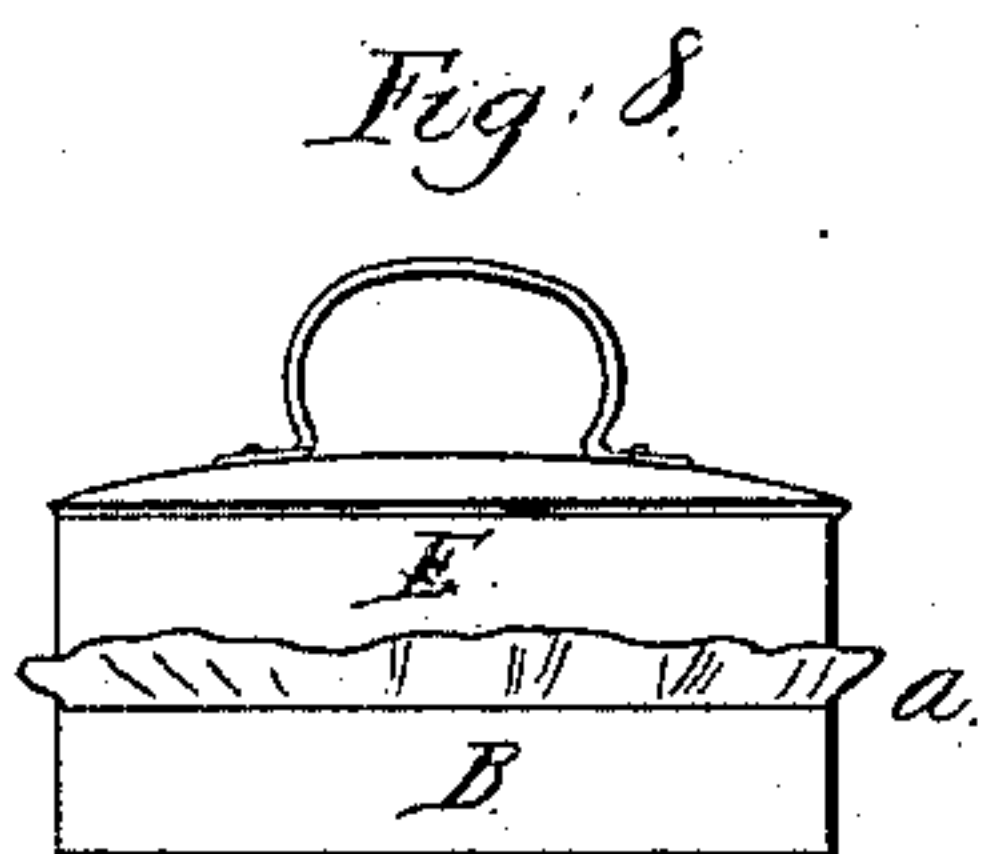
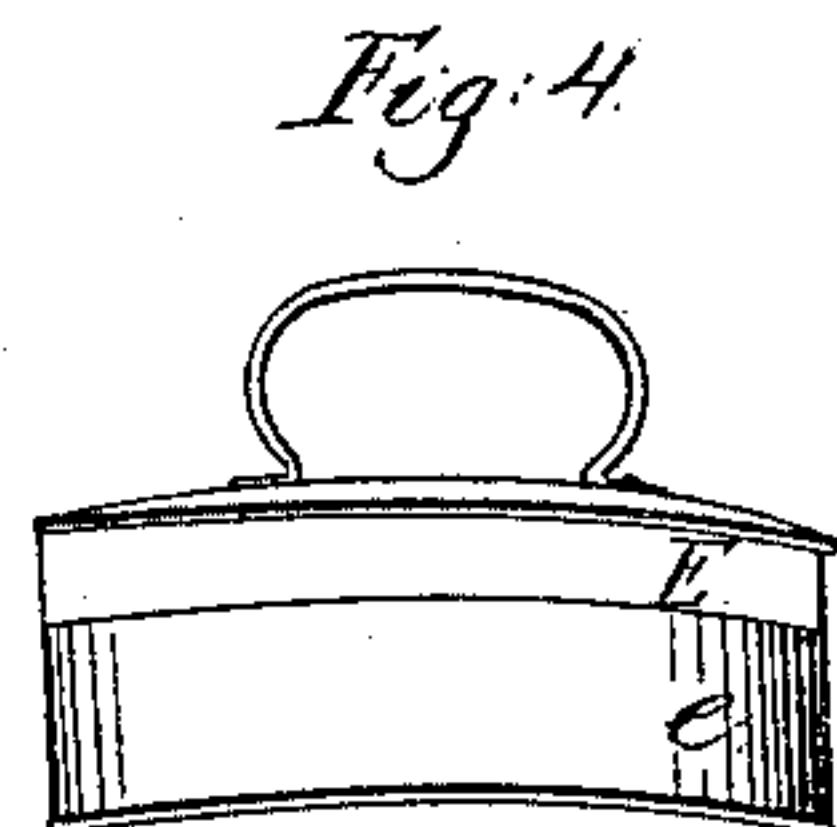
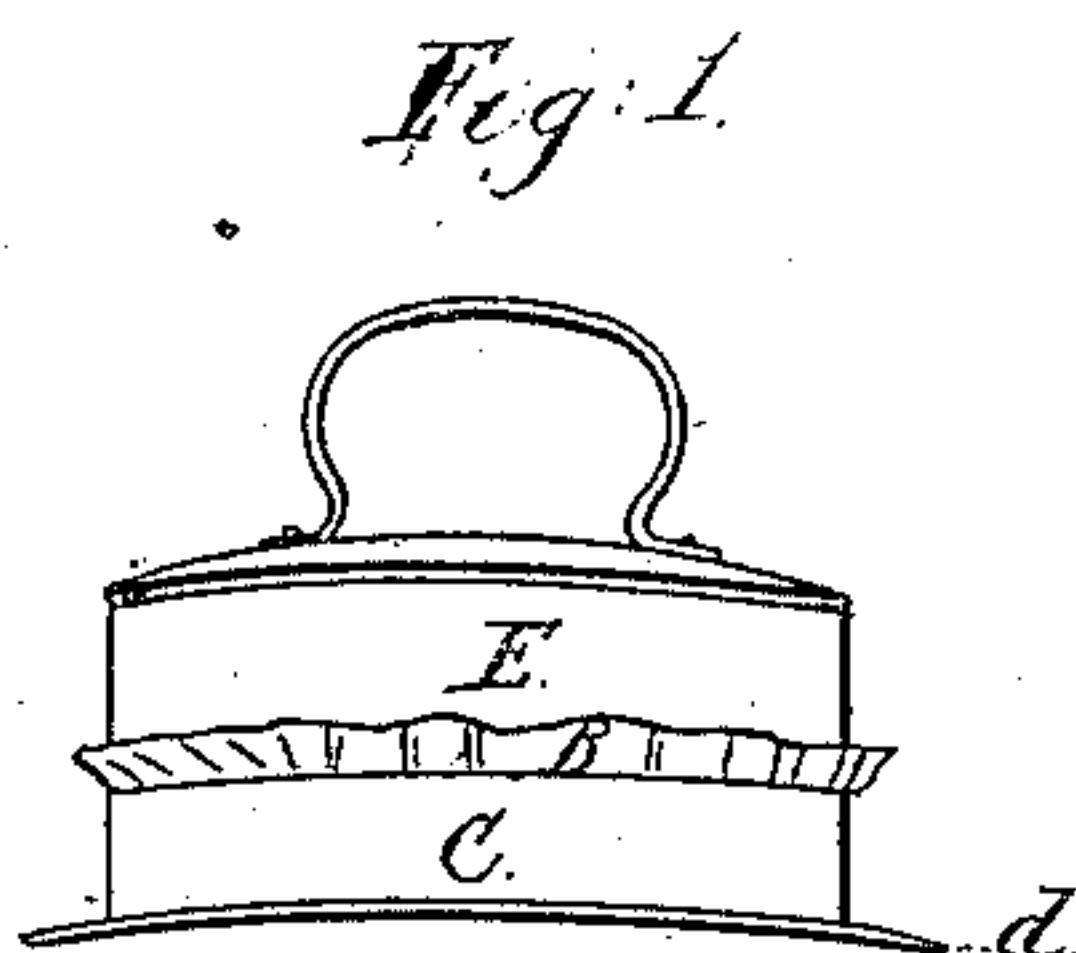
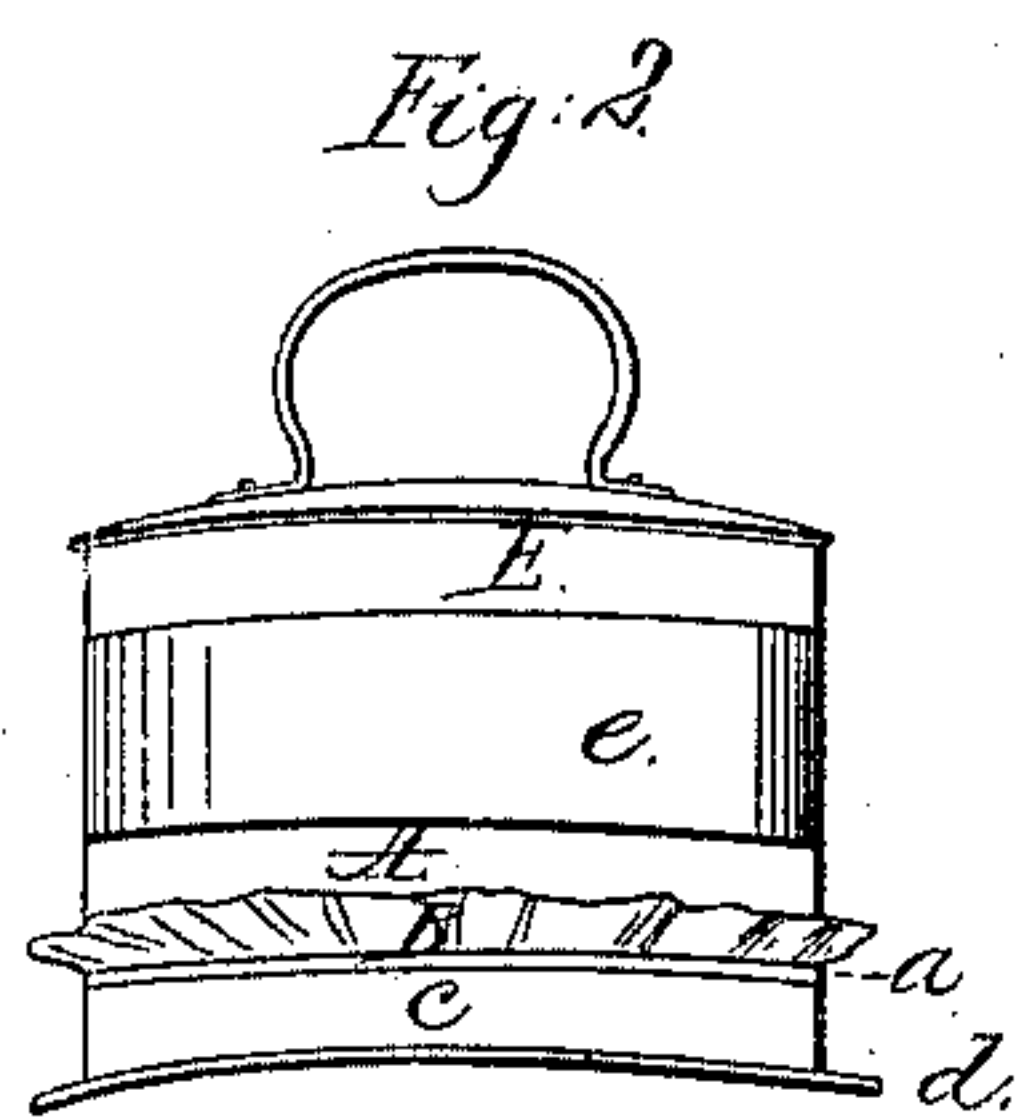


F. KESMODEL.
APPARATUS FOR MAKING PADS.

No. 32,773.

Patented July 9, 1861.



Witnesses:

Chas. D. Bond
James Rolph

Inventor:

Frederick Kesmodel

UNITED STATES PATENT OFFICE.

FREDERICK KESMODEL, OF SAN FRANCISCO, CALIFORNIA.

APPARATUS FOR TAKING CASTS FOR PADS.

Specification forming part of Letters Patent No. 32,773, dated July 9, 1861.

To all whom it may concern:

Be it known that I, FREDERICK KESMODEL, of the city and county of San Francisco, and State of California, have invented a new and Improved Apparatus for Making Pads for Trusses and other Supporters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification.

Figures 1, 2, and 3 represent the apparatus complete, but in different positions. Figs. 4 and 5 represent the plunger or piston. Fig. 6 represents the mold. Fig. 7 is a hoop which goes over the lower edge of the mold. Fig. 8 represents the plunger and mold ready to receive the ring.

A is a mold.

B is a piece of very thin india-rubber, which is drawn tightly over the lower opening of the mold and is kept in place by the string *a* and hoop C.

E is a plunger or piston.

To enable persons skilled in the art to use this apparatus, I will explain the mode of operation.

I propose to form pads for supporters by taking a cast of the injured part of the body and the parts adjacent thereto, said cast to be used for the formation of the pad. For this purpose I prepare a frame of any desired size and shape. (See Fig. 6, letter A.) The

lower opening of this frame is to be covered with a piece of thin rubber or other elastic material and secured thereto as described above. A mold-box thus formed is to be filled with a paste of plaster-of-paris. The plunger is then pressed upon the plaster and the apparatus applied to the injured part and pressed thereupon. The elastic covering of the mold-box, yielding to the pressure, will form an exact cast of the injured part and of the parts of the body adjacent thereto. The pressure of the apparatus may be regulated by the hand of the operator or by attaching the same to the truss or other supporter in place of the usual pad. The same pressure will be obtained as that of the pad to be used. The cast thus obtained is now to be used as a model for making a pad of metal, horn, ivory, gutta-percha, or other suitable material. It is obvious that pads made in this way must (even when made of hard material) be much more comfortable to the patient than those made in the manner heretofore in vogue.

I claim—

The above-described apparatus, consisting of piston E, mold A, and elastic diaphragm B, arranged in relation to each other and for the purpose of forming pads, as above set forth.

FREDERICK KESMODEL.

Witnesses:

CHAS. R. BOND,
JAMES ROLPH.