

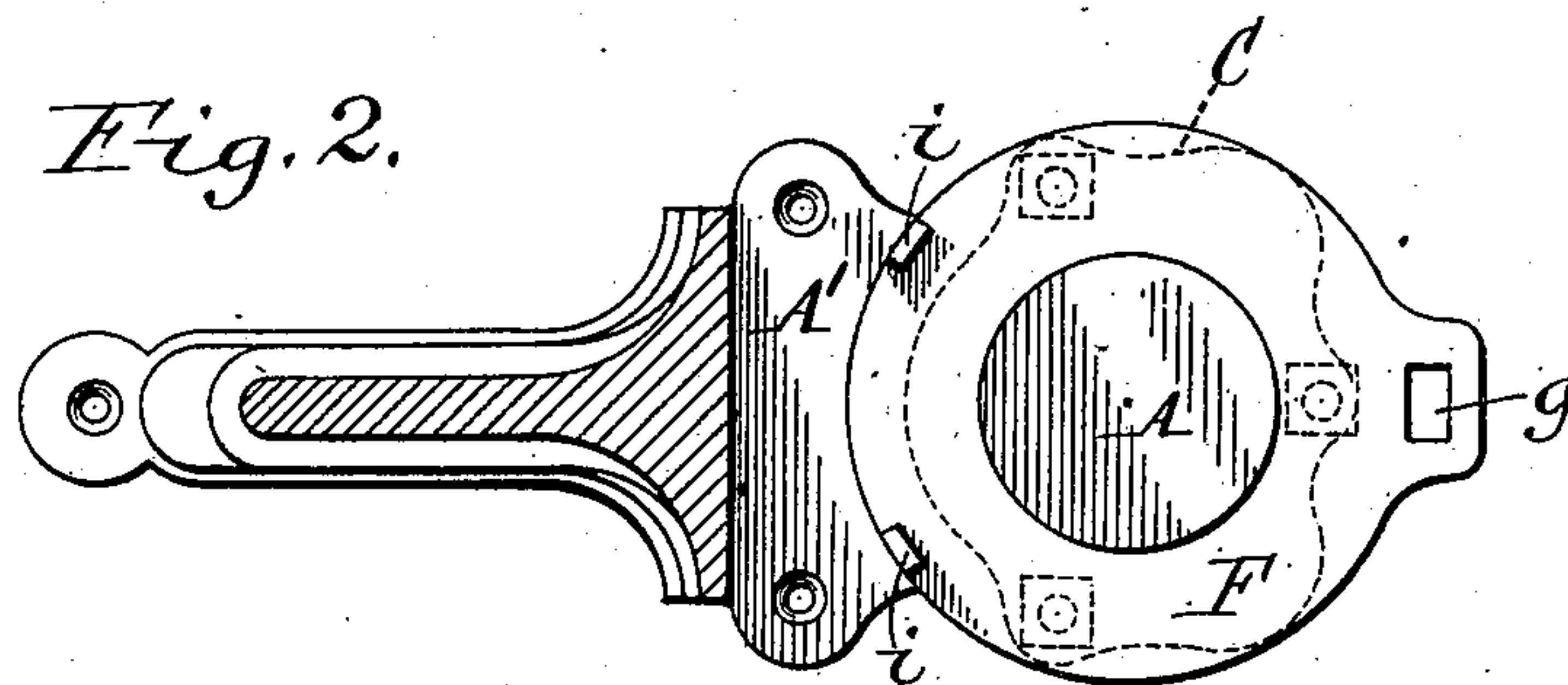
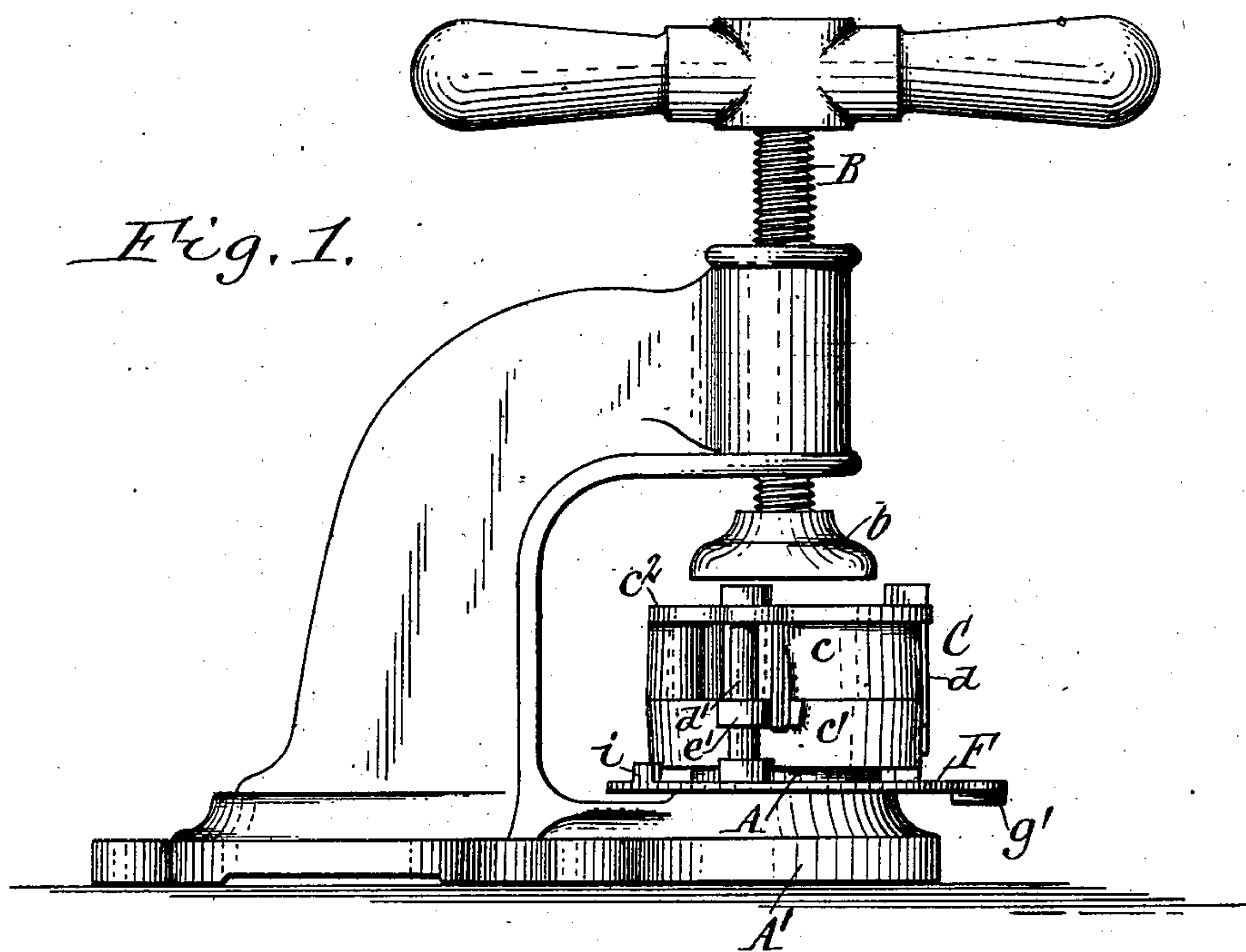
No. 722,726.

PATENTED MAR. 17, 1903.

T. G. LEWIS.
DENTAL FLASK PRESS.
APPLICATION FILED DEC. 17, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:
Robert Weithmecht.
Emma M. Graham.

Theodore G. Lewis,
Inventor
By Geyer & Popp
Attorneys

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Fig. 3.

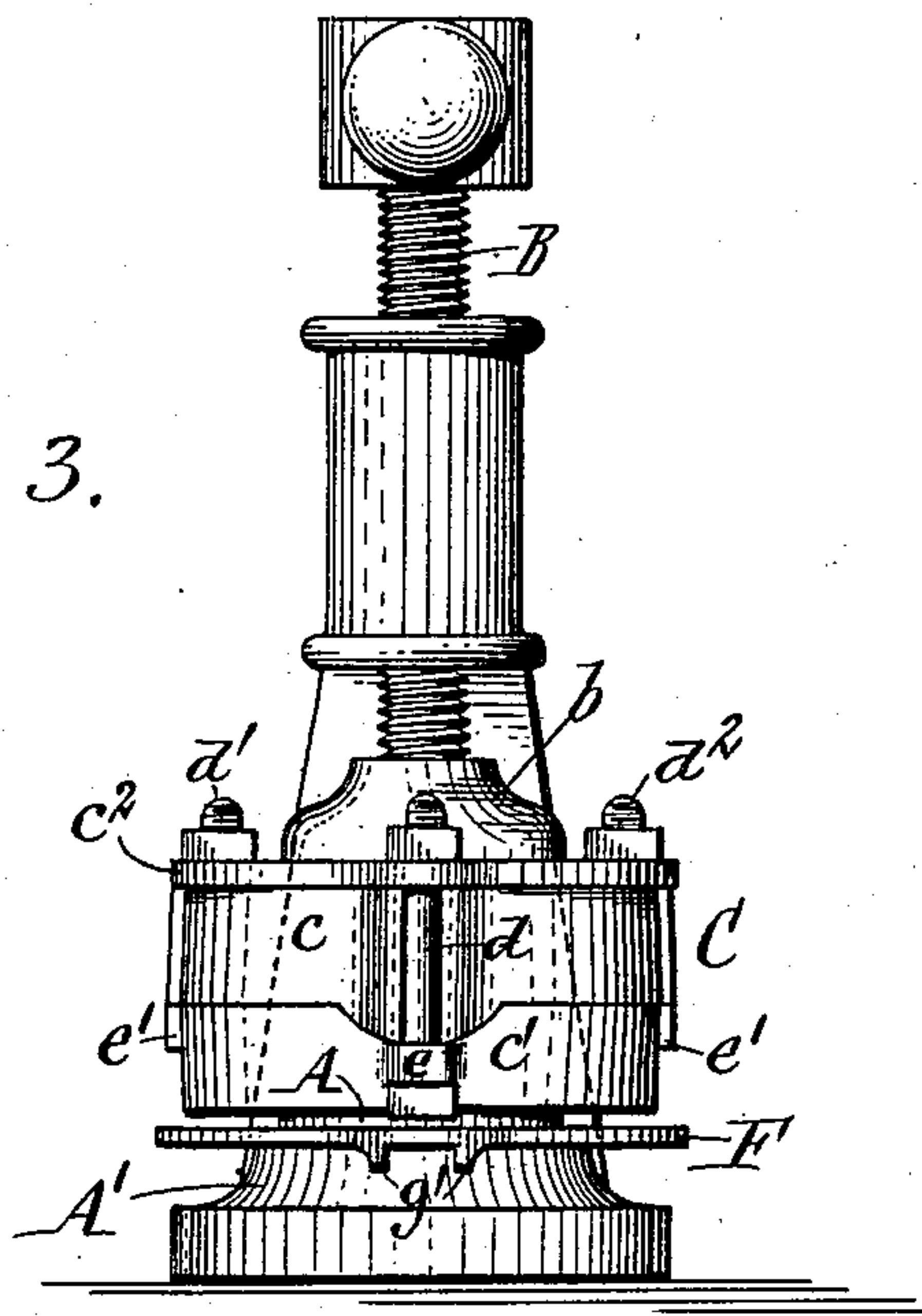
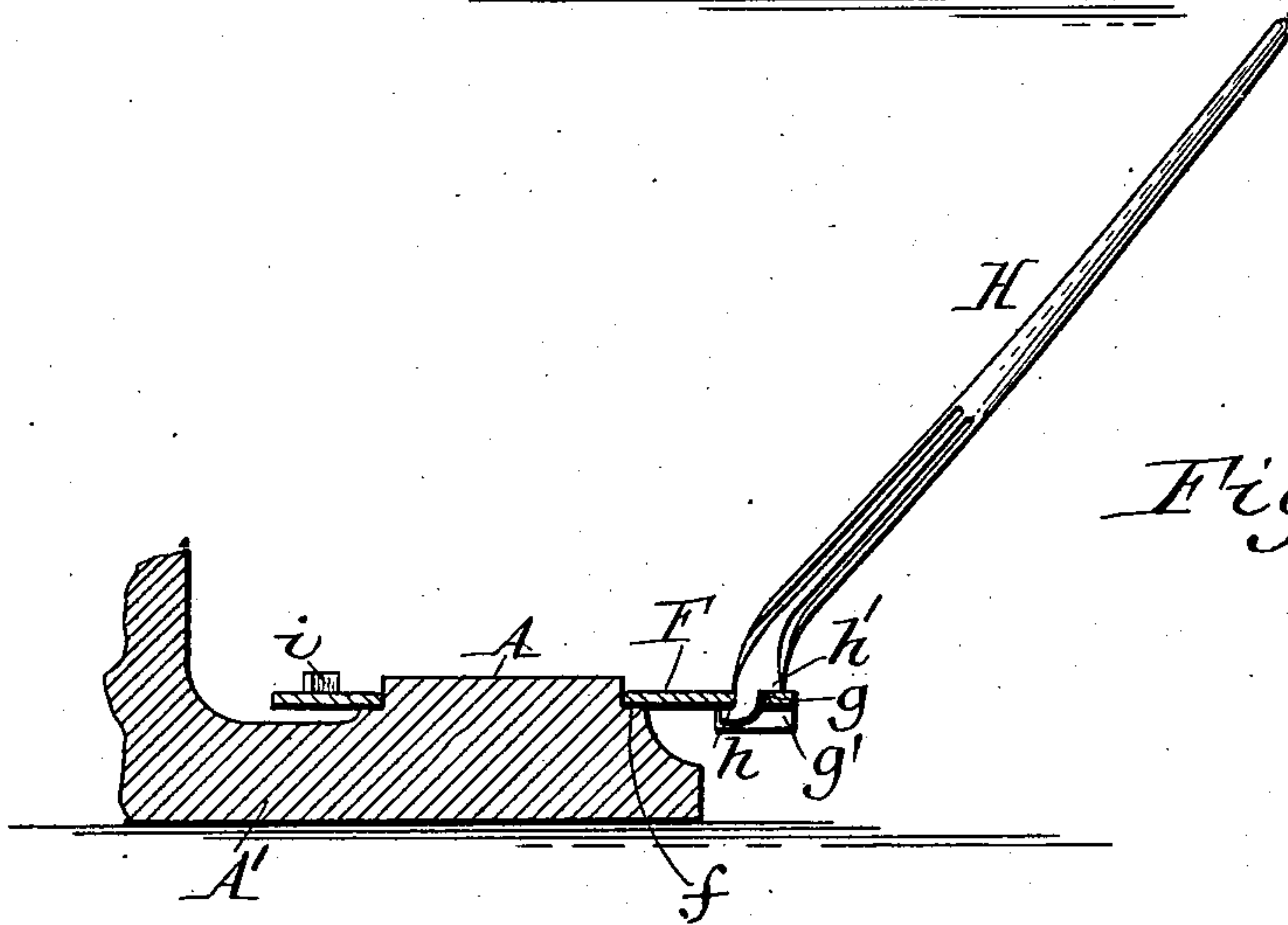


Fig. 4.



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UNITED STATES PATENT OFFICE.

THEODORE G. LEWIS, OF BUFFALO, NEW YORK.

DENTAL FLASK-PRESS.

SPECIFICATION forming part of Letters Patent No. 722,726, dated March 17, 1903.

Application filed December 17, 1902. Serial No. 135,487. (No model.)

To all whom it may concern:

Be it known that I, THEODORE G. LEWIS, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Dental Flask-Presses, of which the following is a specification.

This invention relates to the presses employed by dentists for closing the sections of a dental flask together and compressing the mold preparatory to tightening the usual clamping-bolts.

As ordinarily constructed the raised platform of the press upon which the flask rests is considerably smaller in diameter than the dimensions of the flask, and the clamping-bolts of the flask are therefore clear of and unsupported by the platform. In order to prevent the loose bolts from falling out of their openings in transferring the flask from the usual hot-water bath to the press, it is necessary to hold the several bolts in place by hand, which is an awkward operation.

The principal object of my invention is to provide the press with a simple attachment by which the clamping-bolts of the flask are reliably retained in their openings while placing the flask in the press and in applying the nuts to the bolts.

A further object is to so construct the attachment that it serves at the same time as a tray or lifter for removing the flask from the hot-water bath and carrying it to the press.

In the accompanying drawings, consisting of two sheets, Figure 1 is a side elevation of a dental flask-press provided with the improved attachment, showing the flask in place and its bolts resting upon the supplemental platform preparatory to being tightened. Fig. 2 is a horizontal section of the press, taken immediately above the main platform, the position of the flask being indicated by dotted lines. Fig. 3 is a front elevation of the press, showing the clamping-bolts tightened. Fig. 4 is a fragmentary vertical section of the base of the press with the supplemental platform in place.

Similar letters of reference indicate corresponding parts throughout the several views.

A indicates the usual circular platform of the press, which is raised above the level of

the base A', and B the customary pressure-screw, having the foot-piece b.

C represents a dental flask of ordinary construction, comprising the usual upper and lower sections *c c'*, the cover *c²*, and the vertical clamping-bolts *d d' d²*. Two of these bolts are located at opposite sides of the flask and the other at its front, and the perforated front lug *e* of the lower flask-section is located below the plane of the corresponding side lugs *e'* in the usual manner, bringing the lower end of the front bolt below the surface of the platform A when the flask is in the press, as shown in Figs. 1 and 3.

F indicates a removable supplemental platform surrounding the main platform A and resting upon a ledge *f* of the base. This supplemental platform consists of a ring or annular plate, which extends outwardly from the main platform a sufficient distance to support the flask-bolts when loose, as shown in Fig. 1, so as to prevent their falling out of place. As the front clamping-bolt extends slightly below the bottom of the flask, the supplemental platform F is arranged a sufficient distance below the surface of the main platform A to allow the flask to rest squarely upon the latter. The supplemental platform is also preferably utilized as a tray or carrier for the flask in transferring it from the hot-water bath to the press. For this purpose said platform is provided at its front side with an aperture *g*, adapted to receive the toe *h* of a suitable handle or lifting implement H. This toe bears against the under side of the supplemental platform, while the heel *h'* of the implement bears against the upper side thereof, as shown in Fig. 4. The aperture *g* is preferably formed in a narrow forward extension of the platform F, which is provided on its under side at opposite ends of the aperture with a pair of lugs or feet *g'*. When the supplemental platform is placed on a table or similar support, these feet raise its front portion clear of the support, permitting the lifting implement H to be easily inserted in the aperture of the platform. The latter is also provided on its upper side near its rear edge with lugs or stops *i*, which prevent the flask from slipping off the same in carrying the flask.

In the use of the improvement after preparing the mold the flask is placed upon the supplemental platform F, and the latter, with the flask thereon, is placed in the hot-water bath by means of the lifting implement H. The supplemental platform supports the loose clamping-bolts as well as the flask, preventing them from falling out of place. When the rubber in the flask is properly softened, the flask and the supplemental platform are removed from the bath by the implement H, and the platform is placed over the main platform A of the press. In sliding the supplemental platform backward over the circular main platform it seats itself upon the ledge *f* as soon as its opening registers with the main platform. The opening thus serves to properly locate the supplemental platform on the main platform for centering the flask under the foot-piece of the pressure-screw. After closing the flask-sections together the nuts are applied to the clamping-bolts and tightened in the usual manner.

I claim as my invention—

1. In a dental flask-press, the combination of the base having a main platform for the flask, and a removable supplemental platform surrounding the main platform and adapted to temporarily support the clamping-bolts of the flask, substantially as set forth.

2. In a dental flask-press, the combination of the base having a main platform for the flask, and a supplemental platform surround-

ing the main platform and depressed below the surface thereof, substantially as set forth.

3. In a dental flask-press, the combination of the base having a main platform for the flask, and a removable supplemental platform consisting of a plate provided centrally with an opening adapted to receive the main platform and in front of said opening with an aperture adapted to receive a lifting implement, substantially as set forth.

4. A supplemental platform for a dental flask-press, consisting of a ring constructed to surround the main platform of the press and provided on one side of its opening with flask-stops and on the opposite side thereof with an aperture adapted to receive a lifting implement, substantially as set forth.

5. A supplemental platform for a dental flask-press, consisting of a ring constructed to surround the main platform of the press and provided on one side of its opening with flask-stops and on the opposite side thereof with an apertured extension, said extension being provided on its under side with lugs or feet for raising the front portion of the ring clear of a table or similar support, substantially as set forth.

Witness my hand this 12th day of December, 1902.

THEODORE G. LEWIS.

Witnesses:

CARL F. GEYER,
THEO. L. POPP.