

(No Model.)

A. NEWELL.
VENEER PRESS.

No. 300,725.

Patented June 17, 1884.

Fig. 2.

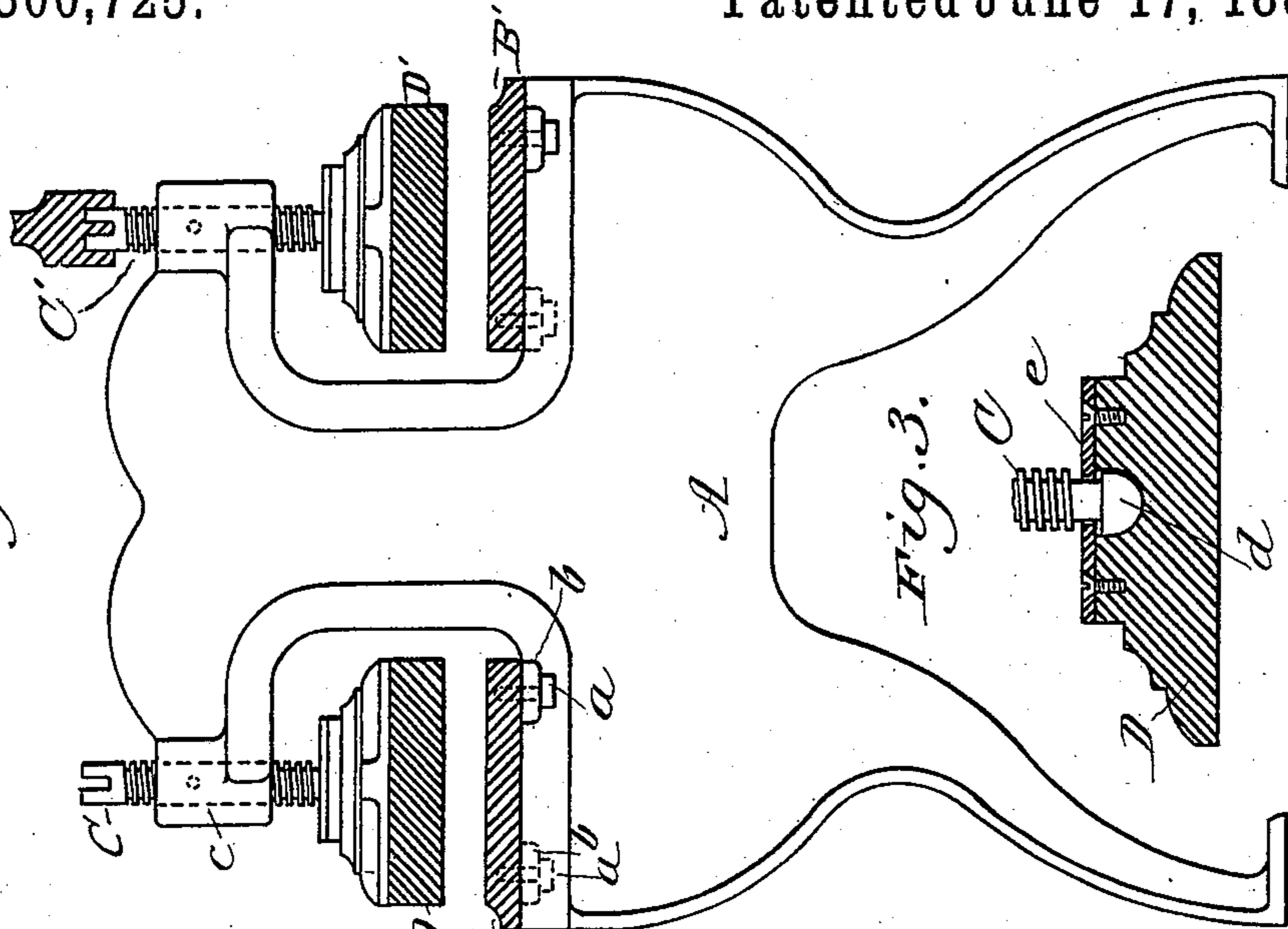


Fig. 3.

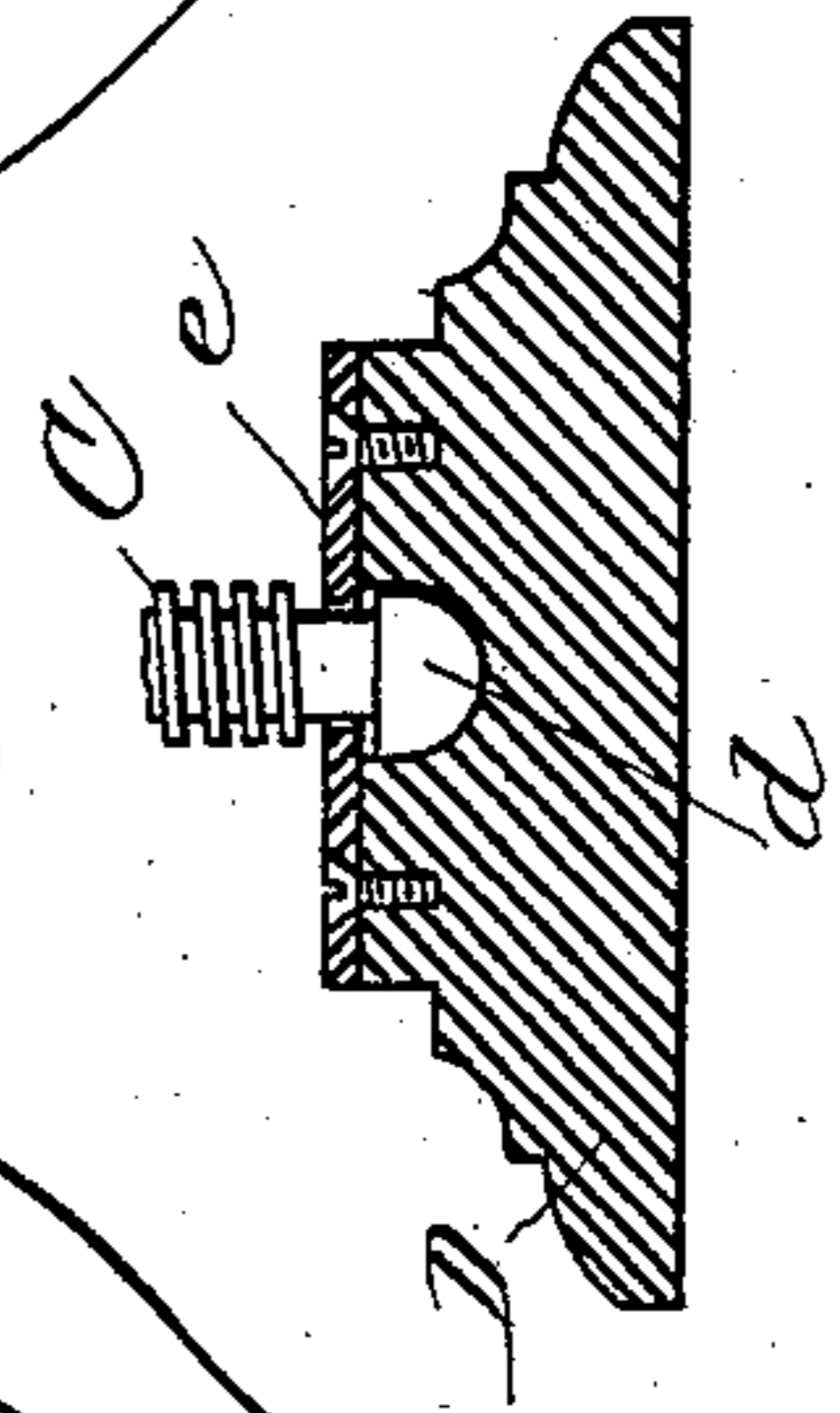
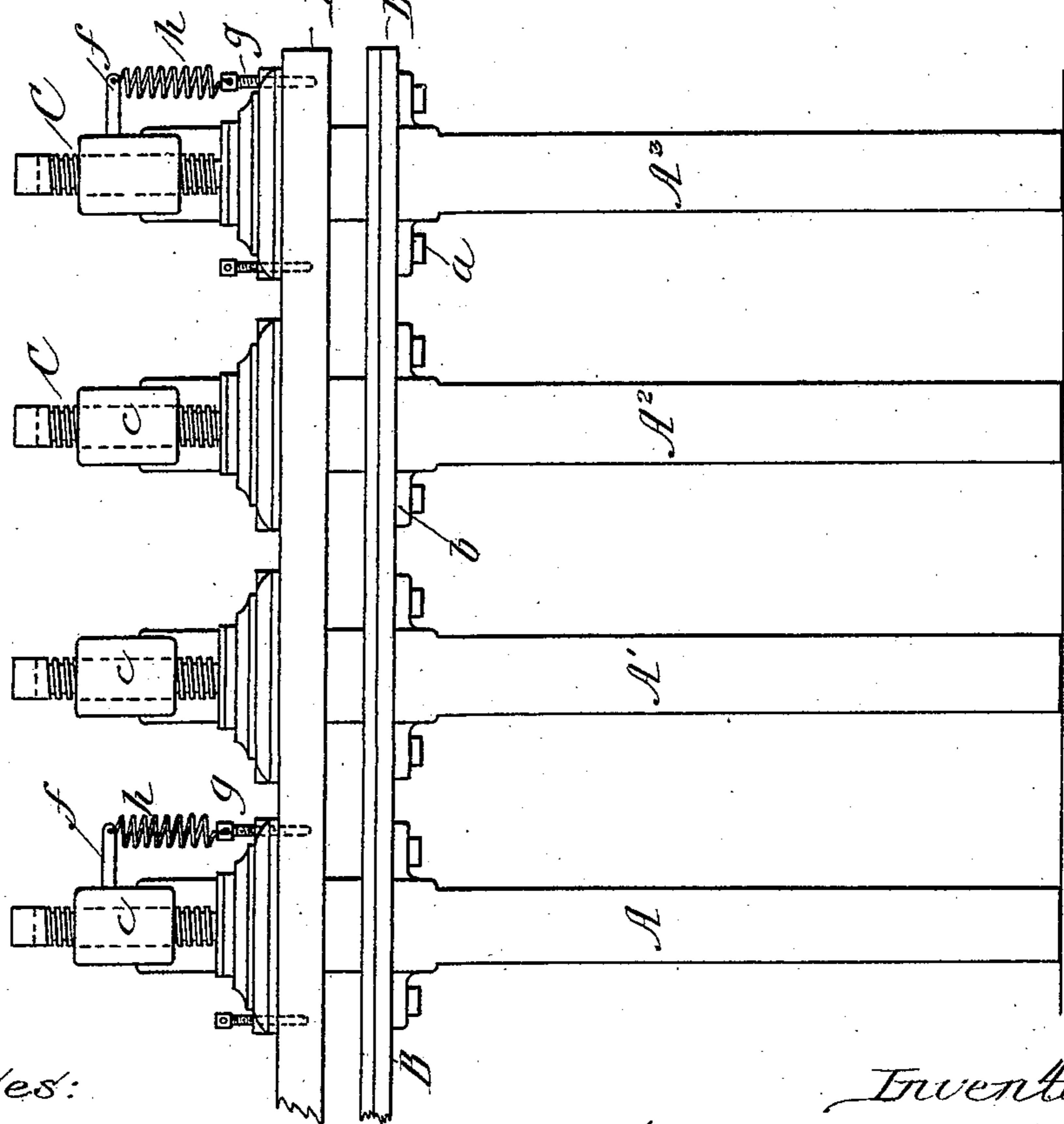


Fig. 1.



Witnesses:
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UNITED STATES PATENT OFFICE.

AUGUSTUS NEWELL, OF CHICAGO, ILLINOIS.

veneer-press.

SPECIFICATION forming part of Letters Patent No. 300,725, dated June 17, 1884.

Application filed April 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS NEWELL, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Veneering-Presses, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to clamps or presses for use in applying veneers to large surfaces; and it is particularly intended for veneering the keys for pianos or organs with ivory, celluloid, or other substitutes for ivory, or in organ reed-board work. Heretofore presses for such work consisted of two long bars or beams—one above and the other below the work—held rigidly at the ends with a series of screws tapped through the top bar or beam, said screws being forced down upon the work, which laid upon the bottom bar or beam. In such a press, all the screws being between the two end supports, the beams, on account of their transverse elasticity, were forced apart, and the work more or less was bent or sprung downward by forcing the lower beam out of line. It was also in other respects unsatisfactory.

My invention therefore consists in a press having a series of supports and clamping-screws arranged below and above the clamping-plates at equal distance apart, each clamping-support and its screw independent of the others, and in the peculiar construction and combinations of the parts, as hereinafter described and specifically claimed.

In the accompanying drawings I have shown a double press, of which Figure 1 represents a front elevation; Fig. 2, a sectional end elevation; and Fig. 3, a cross-section of the upper clamp-plate, showing its connection with the point of one of the clamp-screws.

Corresponding letters in the several figures of the drawings designate like parts.

A A' A² A³ denote the several stands, each forming horizontal supports for two iron plates or tables, B B', which are secured to such stands and rigidly connect the same by screws *a*, passed through eyed lugs or flanges *b*, pro-

jecting from the sides of the stands and tapped into the plates or tables B B'. Each stand has projecting or overhanging hubs *c*, which are internally screw-threaded for clamp-screws C C', that have round and slotted heads for applying a socket-wrench. The points of screws C C' are provided with semi-spherical heads *d*, fitted into corresponding sockets of plates D D', and are pivotally secured therein by shoulder-plates *e*, fastened by screws upon the upper faces of plates D D'. Between eye-screws *f*, secured to end stands, A and A³, and eye-screws *g*, secured to plates D and D', are stretched spiral springs *h*, which by their elastic force suspend or counterbalance the plates D D', and thus render it convenient to put work into or remove it from the press. A strip of sheet-celluloid or of other material being laid upon a board of proper equal thickness that has been coated with glue or cement, such board is placed upon the table B or B', and the plate D or D' is brought down upon it to clamp it uniformly by turning each screw C to bear upon the plate, and force it down with proper and even tension.

Such presses may be made of any length, and composed of as many stands A as desirable, and may be built single or double.

What I claim is—

1. In a veneering-press, the combination, with clamping-plates provided with suitable supports, of a series of clamping-screws adapted to be operated independently of each other, as and for the purpose set forth.

2. The press or clamping device herein described, consisting of a series of stands, A A' A² A³, connected by tables or plates B, and provided with overhanging screw-threaded hubs *c*, for clamping-screws C C', pivotally coupled with clamp-plates D, all constructed and arranged substantially as described and shown.

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

AUGUSTUS NEWELL.

Witnesses:

LOUIS NOLTING,
W. S. KLEWIS.