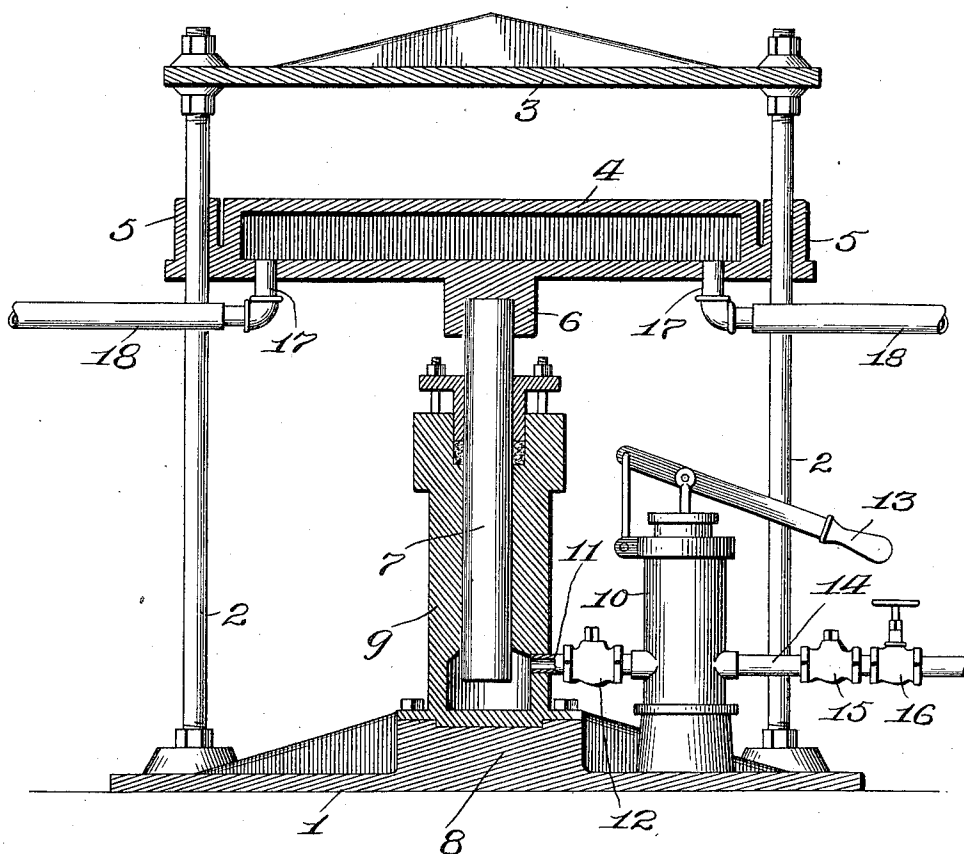


A. WALDT.
 STEREOTYPERS'S STEAM TABLE.
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1,029,647.

Patented June 18, 1912.



Attest:
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UNITED STATES PATENT OFFICE.

ANDREW WALDT, OF ST. LOUIS, MISSOURI

STEREOTYPER'S STEAM-TABLE.

1,029,647.

Specification of Letters Patent.

Patented June 18, 1912.

Application filed September 25, 1911. Serial No. 651,267.

To all whom it may concern:

Be it known that I, ANDREW WALDT, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Stereotypers' Steam-Tables, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in stereotypers' steam tables, and the object of my invention is to construct a stereotypers' steam table in which the table proper is formed hollow and arranged to support the type-form, matrix and blanket and carry them to and against a fixed cap plate, whereby the heat from the table will, by natural draft, rise upwardly through the type-form, matrix and blanket and rapidly accomplish the drying of the matrix, the table being forced against the cap plate with sufficient force to cause the matrix to obtain an impression of the type-form.

With the above purposes in view my invention consists in certain novel features of construction and arrangement of parts as will be hereinafter more fully described, pointed out in the claim and illustrated by the accompanying drawing, in which the figure is a sectional elevation of the complete stereotypers' steam table.

Referring by numerals to the accompanying drawing: 1 designates the base of the machine which supports the standards 2, to the top ends of which standards is secured a cap plate 3.

4 designates the steam table which is formed hollow, at the ends of which there is formed integrally the guides 5 which embrace the standards 2. On the underneath face of the steam table and centrally disposed there is a boss 6 from which depends a piston 7. On the upper face of the base and preferably aligning with the boss 6 there is formed an integral cylinder bed 8 arranged to support the cylinder 9 into which the piston 7 extends.

Supported upon the base 1 adjacent the cylinder there is a pump 10 which is connected with the cylinder by means of a pipe 11 in which there is a check valve 12, the pump being provided with a piston, not shown, and with a lever 13 for the operation of the piston. The pump is connected

with a source of fluid supply by means of a pipe 14 in which there is a check valve 15 and a shut-off valve 16.

The lowermost wall of the steam table 4 has at each of its ends a perforation in which are secured the nipples 17 which connect with flexible tubing 18 leading to a source of steam or other fluid heating medium and to a suitable point of exhaust.

In the operation of making and drying a matrix the type-form is placed upon the steam table 4, it being understood that the table is in communication with a source of steam supply and that the table is heated to a high temperature. The paper, from which the matrix is to be formed, is placed directly upon the type of the form and the stereotypers' blanket is placed upon the matrix. The valve 16 is opened and the operator grasps the handle 13 of the pump and forces the water into the cylinder 9, thus elevating the table 4, the table carrying the type-form, matrix and blanket up to and with great pressure against the cap plate 3.

The time consumed in placing the paper matrix upon the type-form and the placing of the blanket upon the matrix is sufficient to drive off most of the moisture from the matrix so that about the time the matrix has reached the cap plate to be pressed into the type form the drying of the matrix is about accomplished, the completion of the drying of the matrix being accomplished in the descent and removal of the blanket from the matrix.

It will be observed that little or no time is lost awaiting the drying of the matrix.

I claim:

The herein described stereotyper's steam table, comprising in combination a hollow steam table arranged to support a type form, matrix and blanket; flexible means for connecting the table with a source of heating medium, a cap secured in a fixed position over the steam table, and means for raising and lowering the steam table, substantially as shown and for the purposes stated.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

ANDREW WALDT.

Witnesses:

N. G. BUTLER,
JOHN C. HIGDON.