

July 1, 1924.

W. W. McCARROLL

1,499,779

PLATEN FOR STEREOTYPE DRYING TABLES

Filed Jan. 5, 1923

Fig. 1.

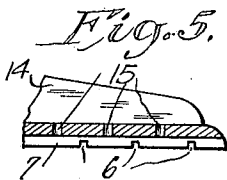
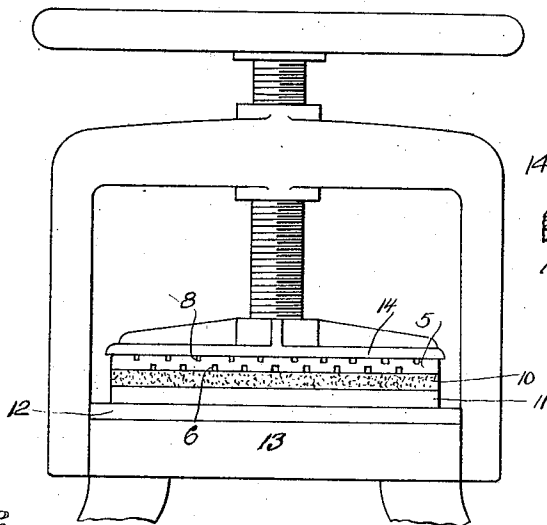


Fig. 2.

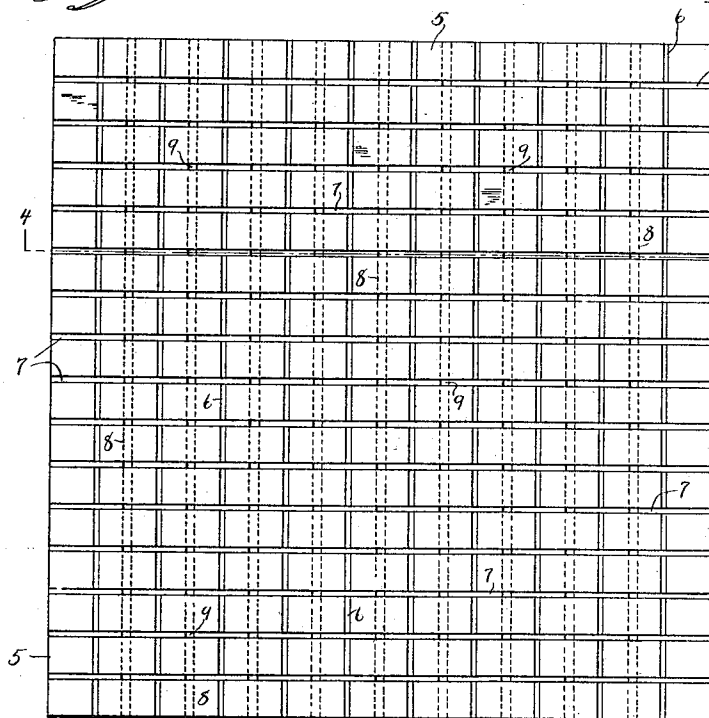


Fig. 3.

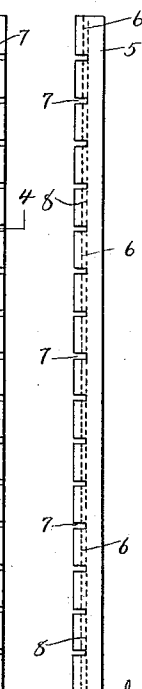
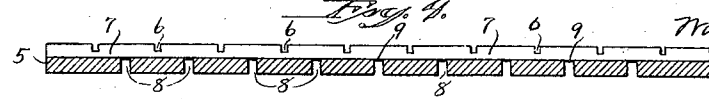


Fig. 4.



Inventor
Walker W. McCarroll
by Seymour T. Carle
attys.

Patented July 1, 1924.

1,499,779

UNITED STATES PATENT OFFICE.

WALKER W. McCARROLL, OF NEW HAVEN, CONNECTICUT.

PLATEN FOR STEREOTYPE DRYING TABLES.

Application filed January 5, 1923. Serial No. 610,955.

To all whom it may concern:

Be it known that I, WALKER W. McCARROLL, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Platens for Stereotype Drying Tables; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Fig. 1 an end view of a stereotype drying table, showing a mat, blanket, and an improved auxiliary platen arranged thereon.

Fig. 2 an under-side face view of my improved platen.

Fig. 3 a side view of the same.

Fig. 4 a sectional view on the line 4—4 of Fig. 2.

Fig. 5 a broken sectional view, illustrating modified forms of my invention.

This invention relates to improvement in platens for stereotype drying tables. In drying stereotype mats, they are usually placed with their forms upon a steam, or other, heated table, beneath a platen, a blanket placed over the mat and the platen depressed. Moisture from the mat, passing up through the blanket, has very little chance to escape and, consequently, the mat must remain upon the table, under pressure of the platen, until it is thoroughly dry, and in doing this, the blankets become burned and soon lose their absorptive properties. The object of this invention is to provide a platen which will provide ventilating grooves through which vapor may escape, and the invention consists in the construction as hereinafter described and particularly recited in the claims.

In carrying out my invention, I preferably employ an auxiliary platen 5 formed from type metal, or other suitable material and of the desired size. The under-face of this auxiliary platen is formed with a series of grooves 6 and 7, the grooves 6 being parallel with each other and the grooves 7 parallel with each other but at right angles to the grooves 6. The upper face of the auxiliary platen is formed with a series of transverse channels 8 arranged between the grooves 6 and are of such a

depth that where they cross the grooves 7, they intersect them and form holes 9. This auxiliary platen is placed over the usual blanket 10, which is placed over the mat 11 and form 12 resting on the drying table 13, beneath a pressing-platen 14, and steam from the mat, passing up through the blanket, will enter the grooves 6 and 7 and escape through the openings 9 into the channels 8 and thence to the atmosphere.

Instead of forming the channels 8, the platen may be formed with a series of holes 15 entering its upper face and intersecting the grooves 6 and 7, as shown in Fig. 5, but preferably the auxiliary platen will be formed with the channels 8, as this tends to facilitate the escape of moisture. Instead of using an auxiliary platen, the under-face of the pressing-platen 14 may be formed with the grooves 6 and 7, as also shown in Fig. 5 which provide for the escape of moisture. With this auxiliary platen, a mat can be dried in a much shorter space of time than without it, and the blanket is less liable to become burned, and by shortening the operation of drying, the mat is "sharper" than would otherwise be the case.

I claim:

1. A platen for stereotype drying tables, comprising a plate formed in one side with channels extending entirely across the plate and with openings from the opposite side intersecting the said channels.

2. A platen for stereotype drying tables, comprising a plate of metal formed in one side with a series of parallel channels and on opposite sides with a series of transverse grooves intersecting said channels so as to form a series of openings through the plate.

3. A platen for stereotype drying tables, comprising a metal plate formed in one face with a series of parallel channels and on its opposite face with two series of grooves arranged at right angles to each other, one series of grooves intersecting the said channels, whereby a series of openings is formed through the plate.

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

WALKER W. McCARROLL,

Witnesses:

FREDERIC C. EARLE,
MALCOLM P. NICHOLS.