W. A. PETRIE & C. D. STRATTON.

BED OR TABLE FOR STEAM PRESSING MACHINES.

APPLICATION FILED SEPT. 1, 1910.

1,031,960. Patented July 9, 1912.

FIG. 1.

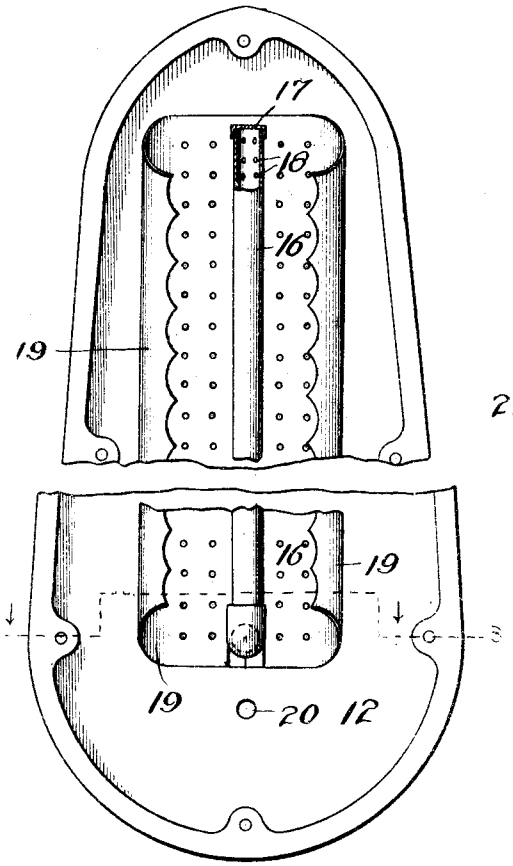
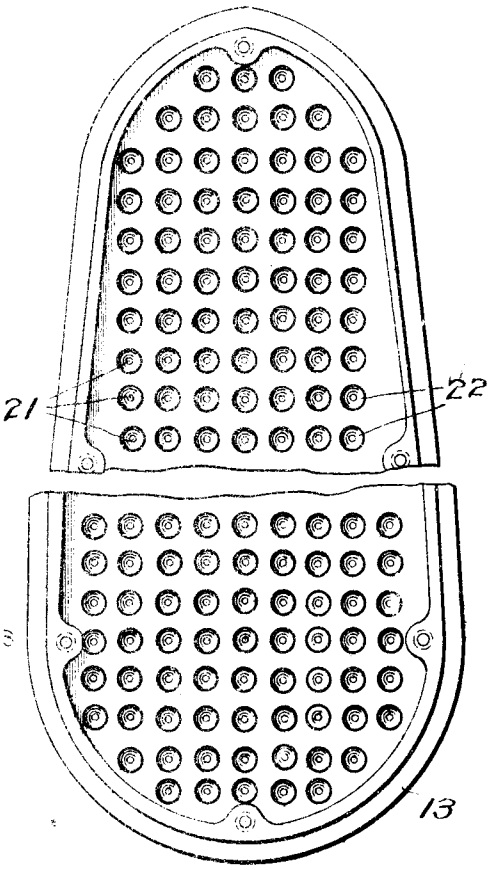


FIG. 2.



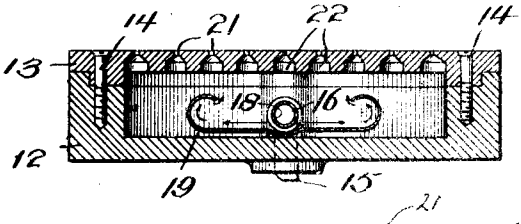


FIG. 3.

FIG. 4.

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BED OR TABLE FOR STEAM-PRESSING MACHINES.

1,031,960. Specification of Letters Patent. Patented July 9, 1912.

Application filed September 1, 1910. Serial No. 580,065.

To all whom it may concern:

Be it known that we, WALTER A. PETRIE and CHARLES D. STRATTON, citizens of the United States, residing at Clinton, in the county of Oneida and State of New York, have invented or discovered certain new and useful Improvements in Beds or Tables for Steam-Pressing Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a bed or table for steam pressing machines of that class set forth in our Patent No. 953,805, granted April 5, 1910, and the invention has for its object to provide a bed or table, for the class of machines referred to, which will be efficient in furnishing live or dry steam to the articles being pressed.

In the accompanying drawings Figure 1 is a plan view of the improved bed or table with the perforated top removed, and Fig. 2 is an inside view of the said perforated top. Fig. 3 is a cross section of the table, and Fig. 4 is a cross section of a perforated table top of slightly different construction from that shown in Fig. 3.

Referring to the drawings, the improved bed or table consists of a hollow metal box comprising the body portion 12, and the perforated top portion 13 which is preferably removably attached to the body portion by screws 14. The said body portion is provided with a steam inlet opening 15 which communicates with a steam distributing pipe 16 the end of which, farthest from said opening, is closed by a suitable cap 17. The said steam inlet pipe is provided on its lower side with a series of steam outlet perforations 18, and below said pipe, within said box, is preferably arranged a baffle-plate 19 against which the steam passing through the perforations in said pipe will be projected. This baffle plate serves to distribute the steam and receive the water of condensation while the box or table is being heated, and also serves to carry off such water of condensation, by means of its depressed central bottom portion and convey the same to the water outlet 20; said baffle-plate being preferably provided with overcurving side portions and with perforations, for the better distribution of the steam.

The top portion 13 of the steam box or table, which serves as the bed of a pressing machine, is provided throughout with small perforations or outlet orifices 21 for the escape of live steam, and the passageways 22 leading to said perforations are preferably formed conical or dome-shaped, as shown in Figs. 3 and 4. In the construction shown in Fig. 3 the passageways 22 are tapering at their upper parts only, to afford contracting walls terminating at the exit perforations 21, while in the construction shown in Fig. 4 the upwardly tapering passageways extend from the lower face of the top-plate 13 to the small exit perforations at the upper side of said plate. In both forms shown the passageways are upwardly tapering to the exit perforations. By making these passageways which lead to the perforations 21 in the tapering or conical forms shown the walls thereof will collect the condensed steam so that only live or dry steam will pass through the said holes or perforations 21.

The construction above described provides a table or bed for garment or cloth pressing machines of such construction that, when properly heated, only live or dry steam will pass through the perforations in the top thereof to the cloth or garment being pressed.

Having thus described our invention we claim and desire to secure by Letters Patent:

1. A bed or table for steam pressing machines consisting of a hollow body portion provided with a steam inlet and a water outlet, and a perforated top portion attached to said body portion and provided throughout with steam exit perforations the entrances to which, through the said top portion, are formed upwardly tapering, converging to small outlet orifices, combined with a steam-distributing pipe within the hollow bed, said steam-distributing pipe being provided on its lower side with perforations, and a baffle and drainage plate interposed between said pipe and the bottom of the hollow bed and arranged to receive and distribute the steam issuing from said perforated pipe.

2. A bed or table for steam pressing machines consisting of a hollow body portion provided with a steam inlet and a water outlet, and a perforated top portion attached to said body portion and provided throughout with steam exit perforations the entrances to which, through the said top portion, are formed tapering, as shown, combined with a steam-distributing pipe within

the hollow bed, said steam-distributing pipe being provided on its lower side with perforations, and a baffle and drainage plate interposed between said pipe and the bottom of the said hollow bed, and arranged to receive and distribute the steam issuing from said perforated pipe, said baffle or drainage plate having a depressed central portion, and having also overcurving side portions at the parts thereof farthest from the said steam-distributing pipe.

In testimony whereof we affix our signatures, in the presence of two witnesses.

WALTER A PETRIE.
CHARLES D. STRATTON.

Witnesses:
TIMOTHY G. DONOVAN,
HENRY T. CLARK.