Dec. 14, 1926. 1,610,651

G. I. BLAETZ

PRESSER PLATE

Filed August 7, 1924

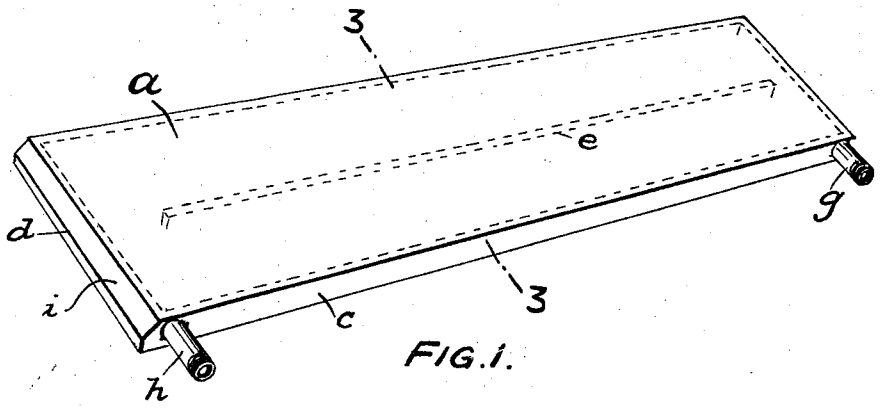


FIG. 1.

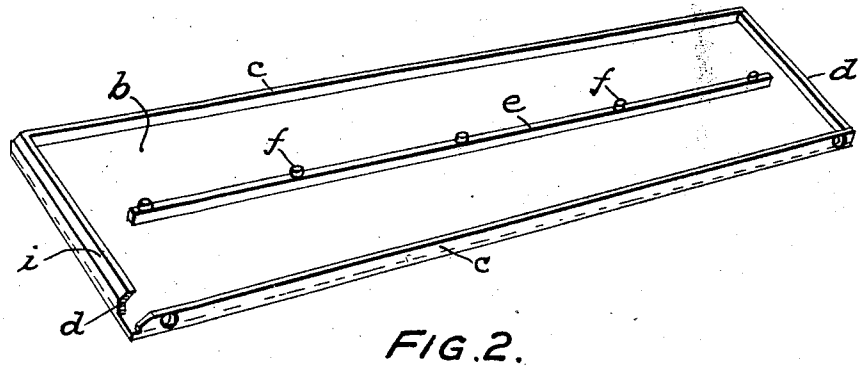


FIG. 2.

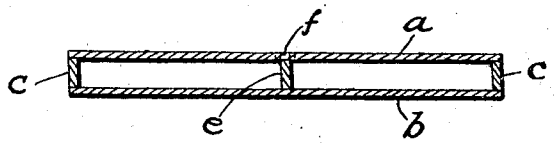


FIG. 3.

WITNESS:
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UNITED STATES PATENT OFFICE.

GEORGE I. BLAETZ, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO PHILADELPHIA METAL DRYING FORM COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF DELAWARE.

PRESSER PLATE.

Application filed August 7, 1924. Serial No. 730,767.

My invention relates to apparatus for use in pressing as in the pressing and drying of hosiery, the pressing of clothes, etc., and more particularly relates to the pressing plates or members forming a part of such apparatus.

Heretofore in apparatus for drying and pressing hosiery, etc., the pressing plates, which are customarily hollow and internally heated by steam, have been formed by casting and as a result have presented difficulty in manufacture and inconvenient bulk in the finished plate. The cast presser plates are further necessarily expensive due to the necessity for the use of an excess of material and for a maximum amount of machining for the finish.

Now it is the object of my invention to provide a presser plate of novel construction and a method of producing such plate, which will obviate the objections to and excessive expense of the cast plate and at the same time produce a plate of greatly increased efficiency and durability.

Having now indicated, in a general way, the nature and purpose of my invention, I will proceed to a detailed description of a preferred embodiment thereof, with reference to the accompanying drawing, in which—

Fig. 1 is a perspective view of a presser plate embodying my invention.

Fig. 2 is a view of the plate shown in Fig. 1 in course of construction.

Fig. 3 is a cross-sectional view on line 3—3 Fig. 1.

The presser plate in accordance with my invention comprises a top member *a*, a bottom member *b*, side members *c c*, and end members *d d*, together with a partition member *e*, all of which are preferably made of sheet metal.

When the plate is assembled, the top and bottom members are spaced apart by means of the side and end members and a hollow body formed, into which steam or other heating medium, from a suitable source, is admitted and withdrawn through pipes *g* and *h*, respectively, connected to one of the side members suitably tapped for their reception adjacent its opposite ends.

The partition member *e*, of a length less than the length of the plate and provided with spuds *f* adapted to extend into holes in the top plate for welding thereto as indicated in Fig. 3, is positioned between the top and bottom members, midway between the sides, and serves to divide the interior of the plate into two parts, except adjacent the ends, in order to insure uniform heating of the plate by the steam. The partition also serves to support the top and bottom members and prevent warping thereof.

The several parts of the plate above described having been prepared, the end and side members are positioned on the upper surface of the bottom member adjacent its sides and ends, as shown in Fig. 2, and welded thereto. The partition *e* is then placed on the upper side of the bottom member with its ends clear of the ends thereof, as shown in Fig. 2, and the top member is then placed in position on the side and end members with the spuds *f* on the partition extending into the holes in the top member prepared for their reception. The top member is then welded onto the side and end members and the spuds *f* are welded to the top member. The plate is then finished where necessary to make it smooth and nickel-plated. If desirable, one, or both, of the ends may be bevelled as shown at *i*, Fig. 1.

The completed plate is then installed in such apparatus as it may have been designed for.

Having now fully described my invention, what I claim and desire to protect by Letters Patent is:

A hollow sheet metal, presser plate, having a partition therein, the partition having spaced projections thereon extending into openings in one of the walls of the plate and welded therein, and means for connecting inlet and outlet pipes to the plate for the heating medium.

In testimony of which invention, I have hereunto set my hand, at Philadelphia, Pa., on this 3rd day of July, 1924.

GEO. I. BLAETZ.