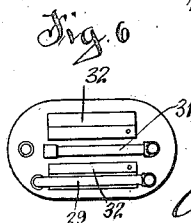
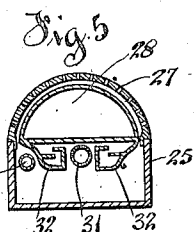
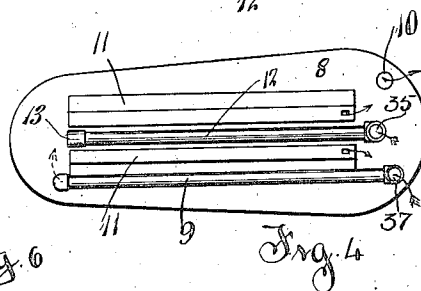
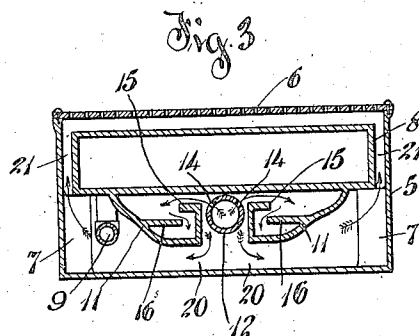
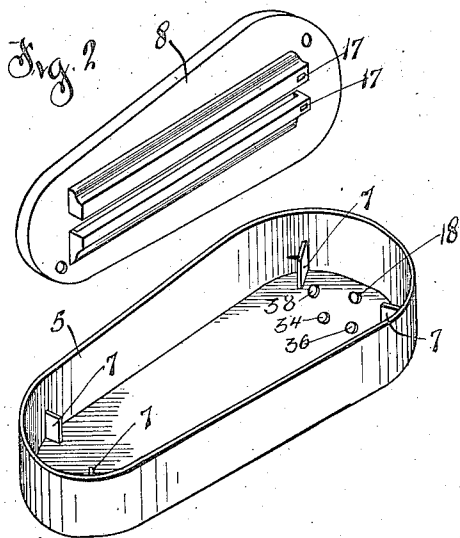
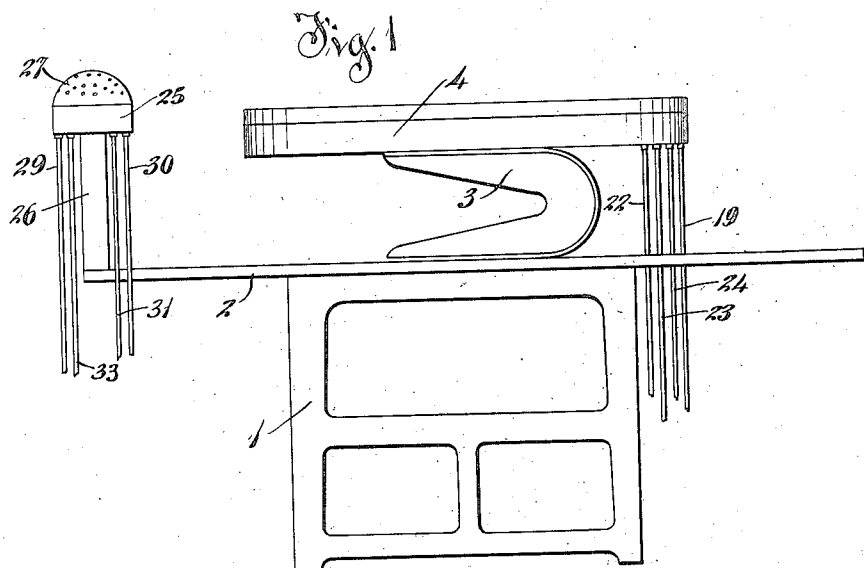


Patented Jan. 9, 1912.

1,014,011.



Witnesses

Carl W. Griffin

Charles W. Hoffman.

Invention

August Lasanco

by Alfred M. Allen

ЖКотнеу

UNITED STATES PATENT OFFICE.

AUGUST LASANCE, OF DAYTON, OHIO.

STEAM PRESSING-BED.

1,014,011.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed July 24, 1911. Serial No. 640,085.

To all whom it may concern:

Be it known that I, AUGUST LASANCE, a citizen of the United States, and a resident of the city of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Steam Pressing-Beds, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

The object of my invention is to provide a pressing bed for garments in which dry steam may be provided for steaming garments by means of condensing apparatus located within the pressing bed whereby the water of condensation may be removed from the steam before it is injected through the garment.

The invention consists of that certain novel construction and arrangement of parts to be hereinafter particularly pointed out and claimed.

In the drawing, Figure 1 is a side elevation of my improved apparatus. Fig. 2 is a perspective view of the steaming bed with the upper portion removed from the lower portion, also shown in perspective. Fig. 3 is a central transverse section of the steaming and heating bed. Fig. 4 is a bottom plan view of the circulating and condensing chamber. Fig. 5 is a transverse section of the shoulder heating bed. Fig. 6 is a bottom plan view of the circulating and condensing chamber of said shoulder heating bed.

The steaming and heating beds are mounted on a suitable table 1, with table top 2, which carries the gooseneck support 3, upon which is mounted the steaming and heating bed 4, comprising a hollow elongated box 5, in the top surface of which a series of perforations 6 are formed, through which the steam is delivered to the garments to be pressed. Supported on lugs 7, 7, inside of the box, is a closed circulating chamber 8, provided with an inlet pipe 9 and an outlet 10, so that a circulation of steam may be continuously kept up through the circulating chamber to maintain the heat of the pressing bed. No steam escapes from this circulating chamber, and the purpose of this chamber is only to maintain the heat of the apparatus. During the hours of use of the apparatus, live steam will be continuously circulated through this chamber.

Formed integral with the bottom plate of

the circulating chamber, or suitably secured thereto and depending into the lower half of the box 5, is a pair of condensing troughs 11, 11, which run lengthwise of the box, and are separated from each other sufficiently to allow for the location of the steam pipe 12 between the two condensing troughs, and this steam pipe is closed at its end 13, and is provided with a series of perforations 14, through which the steam is projected between the upper edge 15 of the condensing troughs and the bottom of the circulating chamber. These condensing chambers are each provided with a shelf 16, to enlarge the condensing surface. Perforations 17 are provided in the base of the condensing troughs at one end through which the water of condensation can be discharged into the bottom of the box, whence it is carried away through the opening 18 and the waste pipe 19.

Dry steam, after circulating through the condensing troughs, passes downwardly in the direction of the arrows 20, and up around the sides 21, 21, of the circulating chamber, whence it is projected through the perforations 6. In this way, I am able to provide hot dry steam for the garments to be pressed.

The box 5, for its top and sides, will be usually covered with several thicknesses of cloth, which, however, are not shown in the drawing. The steam for the condensing troughs is supplied through the pipe 22, which passes through the opening 34 in the box 5 and connects at 35 with the steam pipe 12, and the steam for the circulating chamber is circulated through the inlet pipe 23 and outlet pipe 24, which are suitably connected by couplings with their respective connections within the apparatus. The inlet pipe 23 passes through the opening 36 in the bottom of the box 5 and connects with the pipe 9 at 37, and the outlet pipe 24 passes through the opening 38 in the box 5 and connects with the opening 10 in the bottom of the circulating chamber.

The smaller shoulder bed 25 is of the same construction as the main garment bed. This shoulder bed is supported on one end of the table by the standard 26, and is provided with the approximately semi-spherical perforated top plate 27, with the closed circulating chamber 28, with steam pipe inlet and outlet connections 29, 30, the steam supply pipe 31, with condensing troughs 32,

32, and a discharge pipe 33 for the water of condensation.

In use, the garments to be steamed and pressed are laid upon the top of the bed, and the steam passed through the cloth as above described. When the garments have been properly steamed and cleaned, the pressing plate, which is usually hinged in proper position to be brought down on top of the heating bed, is employed to press the garments. As my present invention relates to the construction of the heating bed, however, I have not illustrated the pressing plate.

15 Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a steaming and heating machine for garment pressing, a hollow bed with perforated top, a steam circulating box within the bed, with pipes for circulating steam therethrough, an open condensing chamber within the lower portion of the bed underneath the circulating box, and passageways from the condensing chamber to the perforated top for the passage of the dry steam.

2. In a steaming and heating machine for garment pressing, a hollow bed with perforated top, a steam circulating box within

the bed, with pipes for circulating steam therethrough, a pair of open condensing troughs disposed lengthwise of the bed underneath the circulating chamber, with perforated steam pipe for supplying steam to said condensing troughs, and passageways from the condensing troughs around the circulating box to the perforated top for the passage of dry steam.

3. In a steaming and heating machine for garment pressing, a hollow bed with perforated top, a steam circulating box within the bed, with pipes for circulating steam therethrough, a pair of open condensing troughs disposed lengthwise of the bed underneath the circulating chamber, with shelves within the troughs to increase the condensing surface and cause circulation of the steam therein, with perforated steam pipe for supplying steam to said condensing troughs, and passageways from the condensing troughs around the circulating box to the perforated top for the passage of dry steam.

AUGUST LASANCE.

Attest:

ANNA F. DIENST,
E. V. HAIGITT.