

J. J. MARX.
 PAD SUPPORT FOR PRESSING MACHINES.
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1,312,641.

Patented Aug. 12, 1919.

Fig. 1.

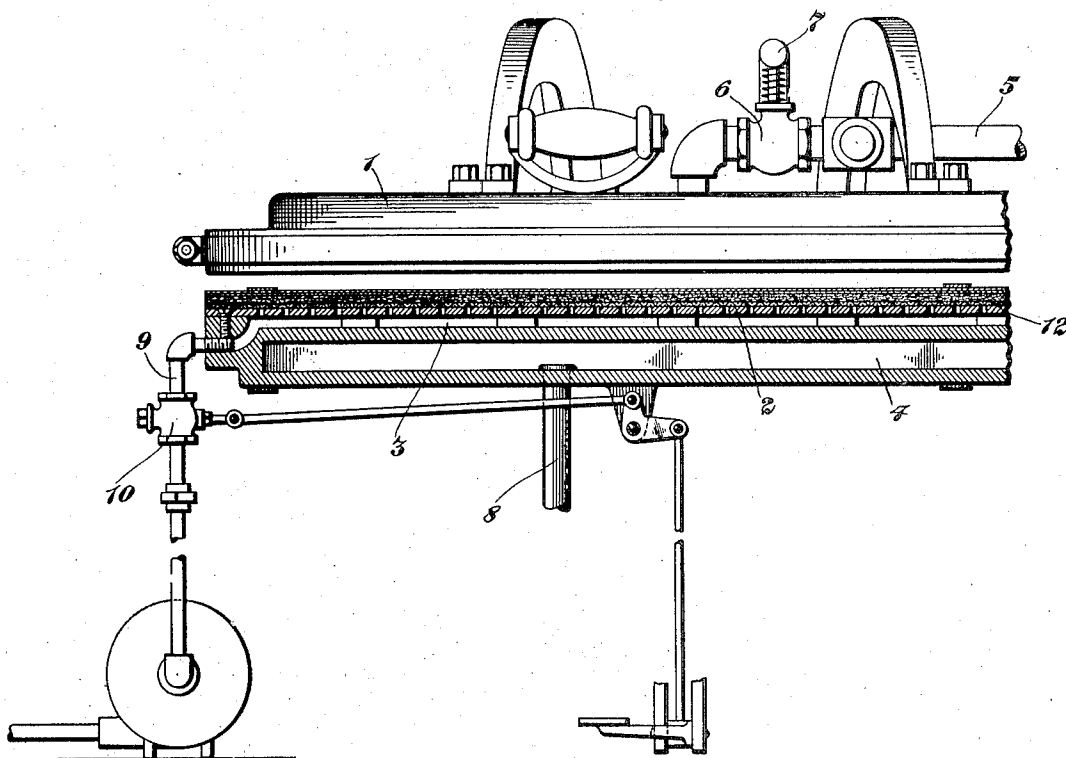
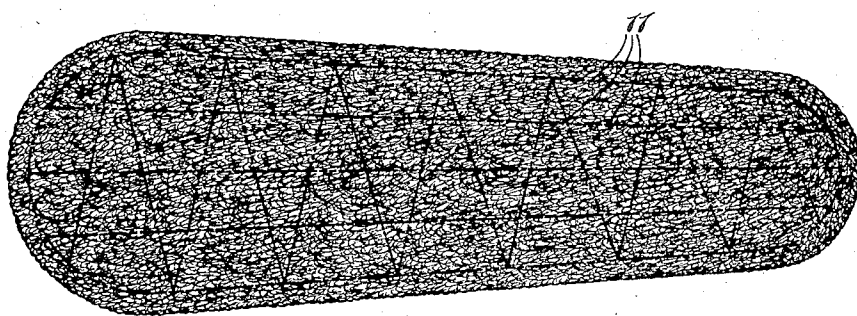


Fig. 2.



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PAD-SUPPORT FOR PRESSING-MACHINES.

1,312,641.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH J. MARX, a citizen of the United States, residing at the city of St. Louis and State of Missouri, have invented a new and useful Pad-Support for Pressing-Machines, of which the following is a specification.

This invention relates to machines for pressing garments and other kinds of fabric, and has special reference to a device for supporting the garments or fabrics upon the buck of the machine.

An object of the invention is to provide a device adapted to be placed upon the heated buck of a pressing machine to support the cloth pad upon which the garment or fabric is placed so that the cloth will not be burned or scorched, and as a result thereof become broken or disintegrated and drawn through the perforated top plate of the buck of the machine.

Another object is to provide a pad for the purpose mentioned composed of resilient metal shavings felted and retained together to form a pad of the desired dimensions and elasticity which will not be affected by the heat of the pressing machine, and will support the cloth cover of the pad out of contact with the heated portions of the machine.

In the accompanying drawings, in which I have illustrated the invention—

Figure 1 is an elevation partly in section of a pressing machine having the present invention in connection therewith.

Fig. 2 is a plan view of my improved pad detached from the machine.

The pressing machine with which I have illustrated my present invention is similar to that disclosed in the patent to Benjamin Weinberger, No. 1,193,093, dated August 1, 1916. The moistening, heating and pressing mechanism will be generally described in order that the present invention may be fully understood, not only as to its construction and arrangement, but also as to its coöperation with a pressing machine. The machine of that patent includes a press head 1 which is movable toward and away from the buck or support by which the garment or fabric to be pressed is supported. The buck is in the form of a frame and comprises a foraminous top plate 2 secured to a frame so as to form therewith a chamber 3 which is closed from communication with another chamber 4 in the frame.

Steam from any available source of supply may be admitted to the interior of the press head through a supply pipe 5 having a normally closed valve 6 arranged to be opened at will of the operator by manipulation of a handle 7.

As illustrated the foraminous top plate 2 forms the upper wall of the chamber 3. Heretofore machines of this type have been equipped with pads secured directly to the top plate of the buck for receiving and supporting the garment or cloth to be pressed by pressure of the head 1. In the machine shown, the buck may be heated by steam admitted to the chamber 4 through a pipe 8, though the buck may be otherwise heated, if desired. The garment or cloth is moistened by steam forced from the head 1 through the garment and the openings through the top plate 2 into the chamber 3 from which the steam is withdrawn and discharged through a pipe 9 controlled by the manipulative valve 10 and connections therefrom. A machine in which the pad is secured directly to the top plate 2 of the heated buck burns and scorches the pad, so that it breaks and parts thereof are drawn into the chamber 3 and thence into the discharge pipe. It is with machines of this class, irrespective of the particular arrangement thereof, that my present invention is arranged to coöperate.

My present invention consists of a device composed of steel shavings entangled and felted and matted in the form and shape of a pad of the desired length, width and thickness, adapted to be placed upon the supporting frame or buck and to support the cloth pad out of contact with the top plate of the buck so that the cloth pad will not be subjected to the destructive action of the heat.

As illustrated the device is in the form of a pad the contour of the side edges of which conform generally to the edges of the upper wall of the buck. The steel shavings are thoroughly felted and matted and are preferably sewed or bound with wire 11, passed or laced through the steel shavings in various directions as will be understood by reference to Fig. 2.

The pad thus constructed retains its resiliency and elasticity, due to the fact that the steel shavings retain their inherent resiliency and do not become packed or compressed together in a dense or solid arrangement. The steel shavings are not materially

affected by the heat and moisture so that the pad will endure indefinitely. In operation the device is applied as illustrated in Fig. 1, in which the garment or fabric may be placed upon the pad and then subjected to pressure by operation of the head 1 in the usual manner. During this operation steam is introduced through the head upon and into the garment by opening the valve 6 by means of the handle 7, thereby moistening the garment simultaneously with the operation of the mechanical pressure. As usual, the steam for moistening the garment is admitted only for an instant, while the garment is under pressure after which the head is elevated in the usual manner and the valve 10 is opened to allow any steam, or moisture of condensation which may be retained in the garment or in the pad supporting the same to be withdrawn. In this manner the garment is quickly dried.

The pad thus constructed is readily in-

terchangeable from one machine to another and requires no binding connections to retain it in place. When desired the pad may be supported by a screen 12 of woven wire interposed between the pad and the buck of the machine.

I claim:

1. A device of the character described, composed of felted steel shavings.

2. A device of the character described, composed of felted steel shavings, and wires interlaced or sewed through the shavings.

3. A device of the character described, composed of felted steel shavings, and wires interlaced or sewed through the shavings in various directions.

4. A device of the character described, composed of felted steel shavings, and wires interlaced or sewed through the mass of shavings in various directions, said wires intersecting at various points in the mass.

JOSEPH J. MARX.