March 4, 1924. 1,485,824

R. BASS

CLOTH PRESSING MACHINE

Filed Sept. 18, 1923

Fig. 1.

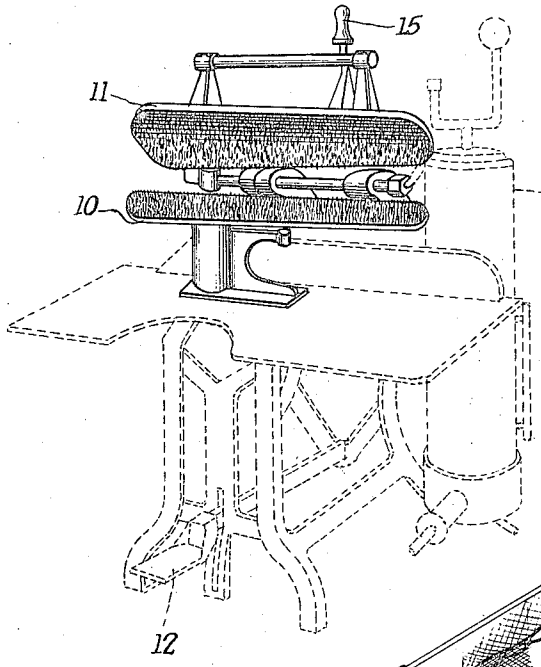


Fig. 2.

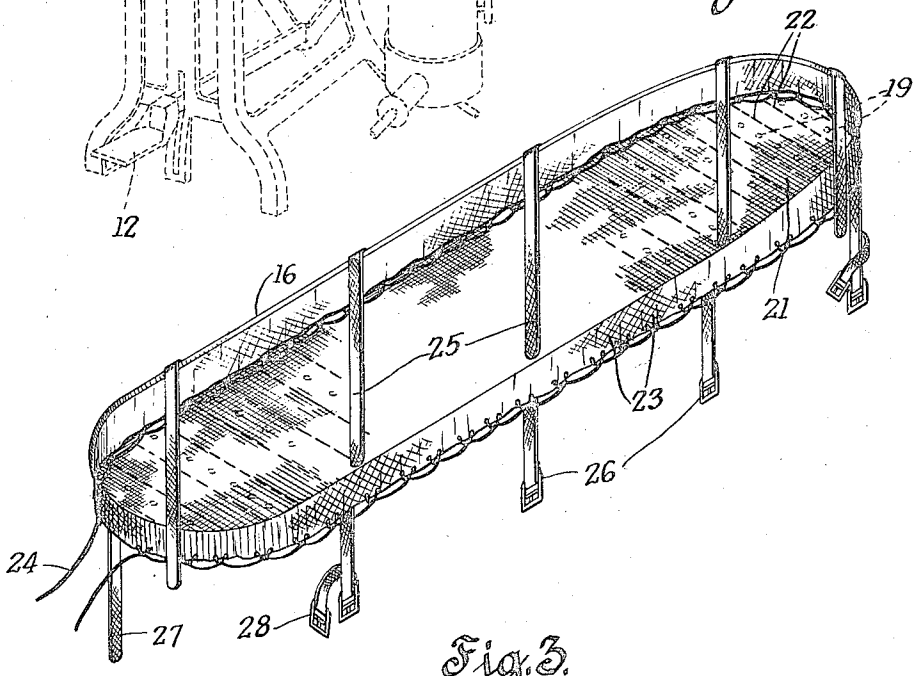


Fig. 3.

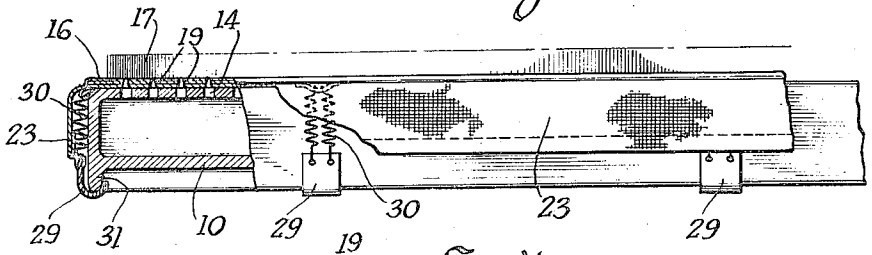
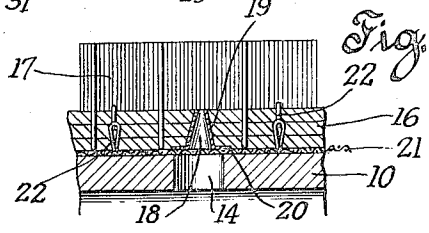


Fig. 4.



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UNITED STATES PATENT OFFICE.

RUBIN BASS, OF BROOKLYN, NEW YORK.

CLOTH-PRESSING MACHINE.

Application filed September 18, 1923. Serial No. 663,336.

To all whom it may concern:

Be it known that I, RUBIN BASS, a citizen of the United States of America, residing at Brooklyn, Kings County, New York, have invented new and useful Cloth-Pressing Machines, of which the following is a specification.

My invention relates to machines for steaming and pressing cloth, and particularly for pressing clothes. It has been customary in the past to employ what are termed bucks, one of which is movable with respect to the other, and between which the cloth is pressed. Steam is passed through these bucks so as to soften the cloth which is to be pressed. In order to properly press the cloth, it is necessary to apply considerable pressure. This pressure tends to mat down the surface of the cloth and destroy its finish or appearance. In order to minimize this flattening and polishing effect, it has been customary to cover the bucks with cloth, but in spite of this the nap of the cloth is matted down when any substantial pressure is used. In carrying out the pressing operation in a commercial way, it is customary to use a very substantial pressure in order to expedite the pressing operation. This results in giving the cloth a shine which makes it necessary to subject the cloth to a further steaming and roughing process in order to restore it to its proper condition and appearance. To avoid this matting and shiny appearance, and the operations required to restore the cloth to its proper condition, I propose to employ special coverings for the pressing bucks. These coverings are provided with fine wire needles, the ends of which serve as the pressing surface. The bases of these needles are embedded in a stiff foundation which holds them erect, and between the needles at intervals are arranged openings through which steam passes from the buck.

Figure 1 is a perspective view showing in dotted outline the principal parts of a suitable type of pressing machine having bucks with the special covering according to my invention.

Figure 2 is a perspective view of an attachment for a pressing buck embodying improvements of my invention.

Figure 3 is an edge view and partial section of one form of pressing buck with a modified form of my attachment.

Figure 4 is a considerably enlarged fragmentary sectional view showing my attachment in connection with the fragment of a pressing buck.

The pressing members or bucks 10 and 11 have suitable mechanism for causing one buck to be moved toward the other; for instance, a lever device having a pedal operator 12. Steam may be furnished from a boiler 13 and admitted through openings 14 in the outer surfaces of the bucks under control of a valve handle 15.

The pressing covering is composed of a foundation 16 having needles 17, the outer ends of which furnish the cloth engaging surfaces. These needles are preferably U-shaped and pass through the foundation which is stiff enough to hold the needles upright for instance as shown in my former Patent No. 1,453,697. The foundation may be formed of one or more layers of cloth and is provided with openings 18, which are preferably arranged in line with the openings 14 in the buck wall. These openings 18 are formed by tubular members 19 which are inserted from the back and provided with flanges 20 to prevent these from working out. These tubes may be tapered somewhat as shown in order to facilitate insertion. I also propose to provide a wire mesh backing 21 through which steam can readily pass. This backing may be secured in place by rows of stitching 22 arranged adjacent to the tubes 19 so as to prevent the tubes from working out.

To prevent steam from passing out from between the buck and the foundation 16, I propose to provide the foundation with a flange or skirt 23 which surrounds the edge of the buck. This may be provided with a draw string or cord 24 for holding it tightly in place. This draw string may serve to hold the entire attachment in place on the buck or I may provide in addition or in place of it a series of straps 25, 26, 27 and 28, which can be readily passed around the buck. Another means of holding the attachment is shown in Figure 3, consisting of hooks 29 connected by springs 30 to the foundation and adapted to engage a flange or lug 31, on the buck. I do not wish, however, to be limited to these methods of holding the attachment in place.

The needle-like pressing surface has been found suitable for various kinds of cloth so that the tailor or presser can use the same set-up for practically any garment,

whether of worsted, broadcloth, cheviot or velvet, thus saving a great deal of time and expense. The pressing surface is sufficiently hard to permit of a quick powerful pressing action, and yet it is of such a character that the nap is not matted down and the cloth is not made shiny.

I claim:

1. A cloth pressing machine comprising stationary and movable bucks, impervious cloth foundations detachably secured on said bucks and having uniformly distributed, closely set, stiff needles passing through the cloth foundation, the ends of which form the pressing surfaces and communicating passageways for admitting steam through said bucks and cloth foundation.

2. A cloth pressing machine attachment comprising a stiff impervious cloth foundation having closely set stiff needles passing therethrough and permanent steam passages through the cloth foundation between the needles.

3. A cloth pressing machine attachment comprising a stiff cloth foundation having closely set stiff needles and steam passages through the cloth foundation between the needles, and an impervious skirt connected to the edges of the foundation.

4. A cloth pressing machine attachment comprising a stiff cloth foundation having closely set stiff needles and steam passages through the foundation between the needles, an impervious skirt connected to edges of the foundation and means for securing said skirt in place around the edge of a buck.

5. A cloth pressing attachment comprising a flexible foundation having closely set needles projecting from the front and members having openings, said members being inserted in the foundation for permitting the passage of steam through the foundation and between the needles.

6. A cloth pressing attachment comprising a foundation having closely set needles projecting from the front and hollow tapered members in the foundation having their ends larger at the back of the foundation than at the needle side for permitting the passage of steam through the foundation and between the needles.

7. A cloth pressing attachment comprising a foundation having closely set needles and hollow members in the foundation permitting the passage of steam through the foundation and between the needles, and a meshwork backing holding the hollow members in place.

8. A cloth pressing attachment comprising a foundation having closely set needles and hollow members in the foundation permitting the passage of steam through the foundation and between the needles, each hollow member having a flange to prevent it from working through the foundation.

RUBIN BASS.