May 5, 1936. V. FREDA ET AL 2,039,788

GARMENT PRESSING MACHINE

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Fig. 1

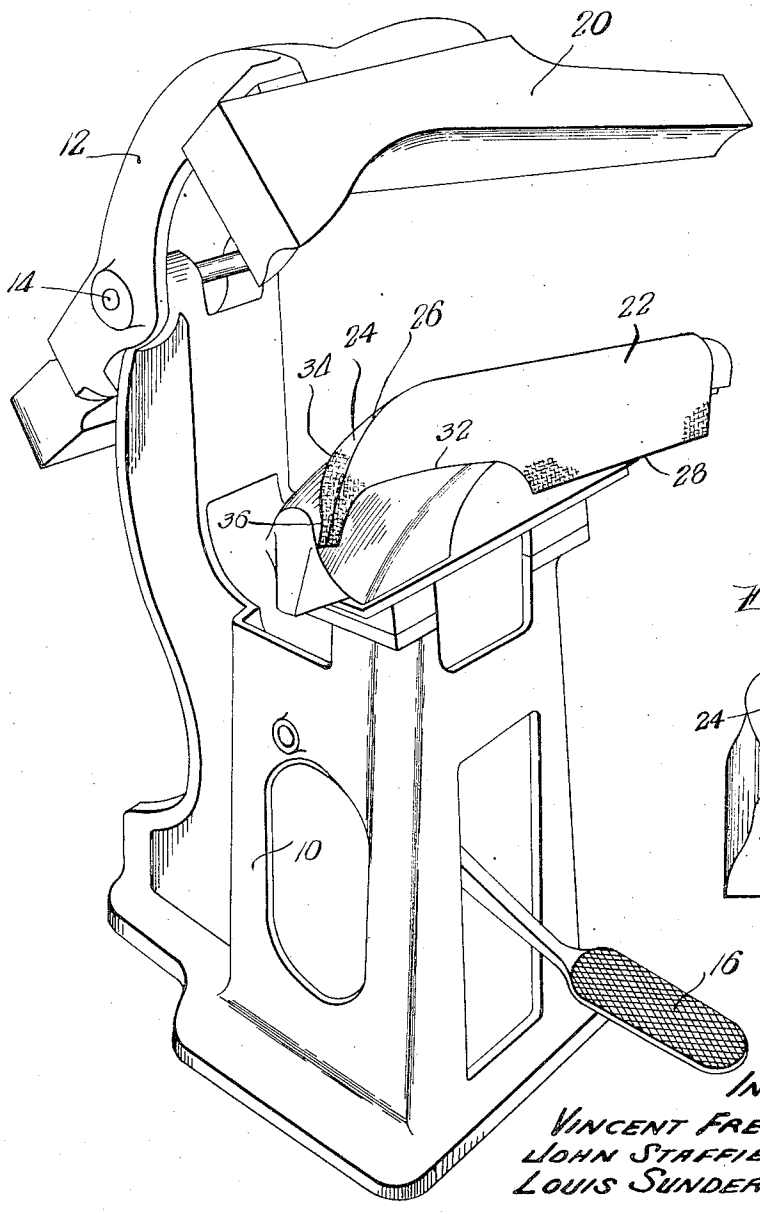
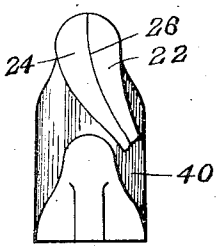


Fig. 5



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Fig. 2

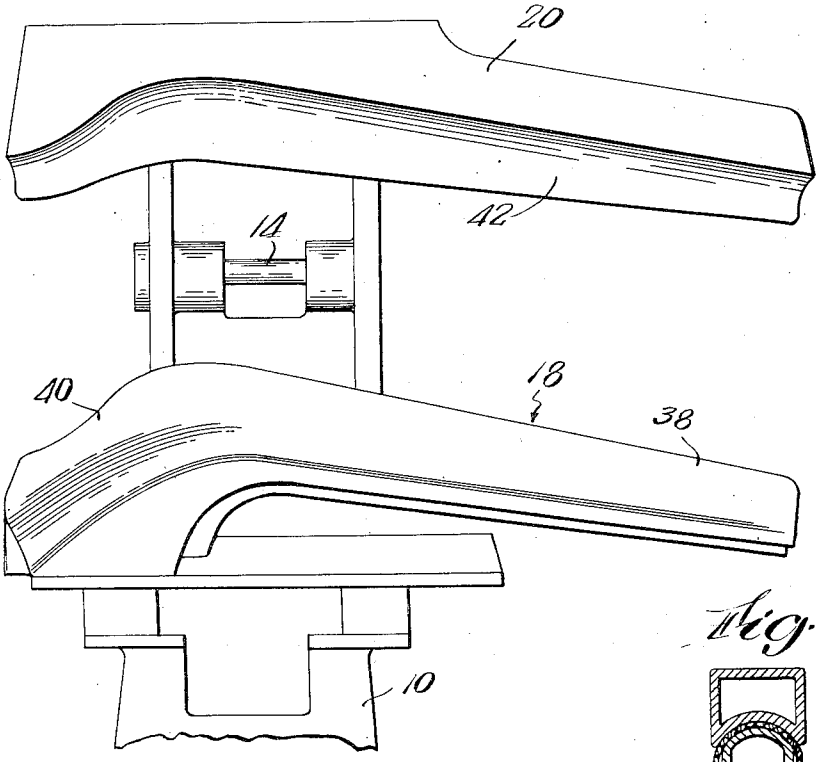


Fig. 4

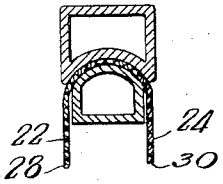
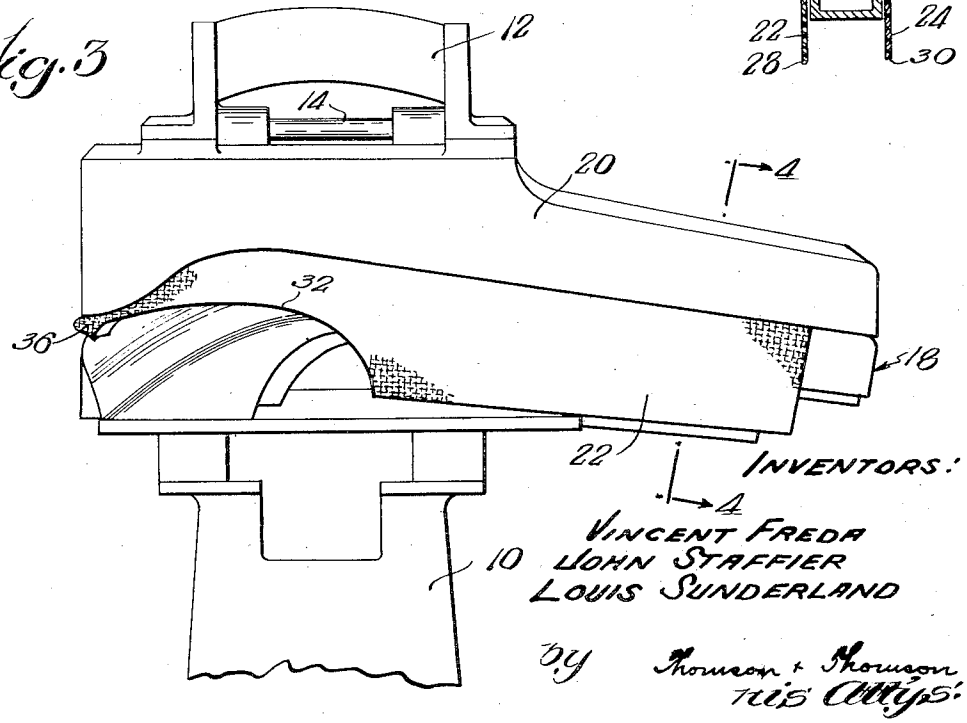


Fig. 3



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GARMENT PRESSING MACHINE

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Application March 25, 1936, Serial No. 70,874

1 Claim. (Cl. 223—58)

This invention relates to improvements in garment pressing machines, particularly of the type designed for pressing the raglan sleeves of garments, such as topcoats, overcoats and sometimes suits.

It is an object of our invention to disclose improvements in pressing machines whereby raglan sleeves may be pressed either as separate pieces during manufacture of the garments, or as parts of finished garments, throughout the length of the outside or top seam and including the shoulder portion of the sleeve, in one operation.

It is further an object of our invention to disclose a novel design of a buck for pressing machines, and of a head which co-operates with the buck, whereby raglan sleeves may be pressed to obtain uniformity between the pair of sleeves of the finished garment, and between all raglan sleeve garments made in the same shop, irrespective of the size of the garment.

Further objects and advantages of our improvements will be more readily apparent from the following description taken in connection with the attached drawings which illustrate a preferred embodiment thereof.

In the drawings:

Fig. 1 is a perspective view of a pressing machine showing a sleeve in position to be pressed.

Fig. 2 is a perspective view of the pressing buck and head;

Fig. 3 is a perspective view from the front of the machine showing the head closed upon a sleeve which is resting on the buck;

Fig. 4 is a detail section taken on the plane indicated 4—4 in Fig. 3; and,

Fig. 5 is an end view of the buck showing a sleeve in position for pressing.

The pressing machine includes a frame 10 of any desirable design and a pivoted arm 12 supported by the pivot pin 14. Suitable mechanism (not shown) is provided for causing operative movement of the arm 12 under control of the foot pedal 16. The frame 10 has a pressing buck 18 mounted thereon, and the arm 12 carries a pressing head 20. The buck 18 and head 20 may be hollow and perforated, and may be provided with steam heating and pneumatic means (not shown) such as is customarily used in garment pressing machines.

The buck and head of this machine are specially formed to carry out the pressing of the outside or top seams of raglan sleeves, either in finished garments or as partially formed, separate sleeves, as disclosed in the drawings.

Raglan sleeve garments are now being manufactured to a large extent, and it has been found that special care must be exercised during tailoring thereof to obtain the proper fit of each sleeve, particularly at the shoulder thereof, and to obtain uniformity as between the right and left sleeves and also between the sleeves of all raglan garments made by the same manufacturer. Each sleeve is composed of two or three pieces such as in the left sleeve shown in Fig. 1 in which 22 is the front piece and 24 is the back piece of a two piece sleeve joined by the seam 26. The straight edge 28 of the piece 22 is adapted to be joined to the edge 30 of the piece 24. The curved edges 32 of piece 22, and 34 of piece 24 are adapted to be joined to the front and back parts of the coat to form the arm and shoulder opening. The narrowed tip portion 36 sets into the collar of the coat. The sleeve as shown in Fig. 1 must be pressed before it is set into the coat and, unless the pressing of the outside seam is properly done, the two sleeves of the completed coat will not be uniform and the shoulder portions thereof will be unshapely and often badly wrinkled.

In our machine the outside or top seam of the sleeve is pressed throughout its length in one operation thus properly shaping the shoulder portion and the pair of sleeves will exactly correspond after being pressed. The buck is formed as shown in Fig. 2 to impart the desired shape to the raglan sleeve. The sleeve portion 38 and the shoulder portion 40 are made integral and smoothly merge into one another. The top of the buck is rounded in cross-section, such as in Fig. 4, and is symmetrical in shape in order to receive either a right or left sleeve. The outside seam 26 of the sleeve will not lie on the center line of the buck throughout its length, but curves to one side or the other at the shoulder, as clearly shown for the left sleeve, in Fig. 1. The head 20 is channelled or hollowed out as at 42 and formed to closely fit the buck throughout the pressing area.

By the use of our invention the manufacture of raglan garments may be more rapidly accomplished due to the saving in time by the pressing of the outside or top seam of the sleeve in one operation, and the garments will be tailored to the correct uniform appearance by having the outside seam of each sleeve pressed exactly the same, irrespective of the size of the garment.

Heretofore, in the manufacture of raglan type garments the sleeves have been pressed by hand or on separate machines of the same construction and design as those employed for the set-in type

of sleeve, several operations being required on each pressing board or machine and one machine being used for pressing the arm portion and another device for pressing the shoulder portion of the garment. This practice has been distinctly unsatisfactory not only because of the duplication of labor and equipment but, more especially because the correct shaping of the shoulder, which is so essential to the proper fitting and appearance of a raglan sleeve, cannot be accomplished by the ordinary shoulder pressing machines which are makeshifts, at best, when used for raglan sleeves, and which often cause a distortion in the raglan sleeve, owing to the necessity of shifting the position of the sleeve on the machine or form. The use of my improved apparatus, however, ensures proper shaping and stretching of the garment material over the shoulder portion of the buck, simultaneously with the shaping and pressing of the arm portion along the outside seam of the sleeve; for it will be observed that the configuration of the buck simulates the outer contour of an average man's shoulder and arm.

When this essential contour is molded into the garment sleeve by the simultaneous and uniform pressing of its outside seam, as above described, it will be found that the raglan garment will properly fit the shoulder of the wearer. Hence, any length or size of sleeve is correctly pressed by the use of the improved machine by fitting its shoulder portion to the shoulder portion of the buck and then bringing down the head simultaneously to shape and press the outside seam and adjacent parts of the material throughout the length of the sleeve.

We claim:

In a machine for pressing raglan sleeves, a pressing buck having a substantially rectilinear sleeve portion and a rounded shoulder portion extending downwardly from one end of said sleeve portion, said portions being shaped to conform to the outside or top sleeve and shoulder portions respectively, of the sleeve and symmetrical with respect to a vertical plane passing longitudinally through the center of the buck, whereby either right or left sleeves may be pressed on the same buck, and a pressing head having a substantially rectilinear sleeve portion and a rounded shoulder portion extending downwardly from one end of said sleeve portion, said last mentioned portions being shaped complementary to the corresponding portions of the pressing buck, whereby the raglan sleeve may be pressed along substantially the entire longitudinal outside seam and on each side thereof.

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