July 2, 1940. A. GRECO ET AL 2,206,605

FORMER FOR GARMENTS

Filed March 11, 1939

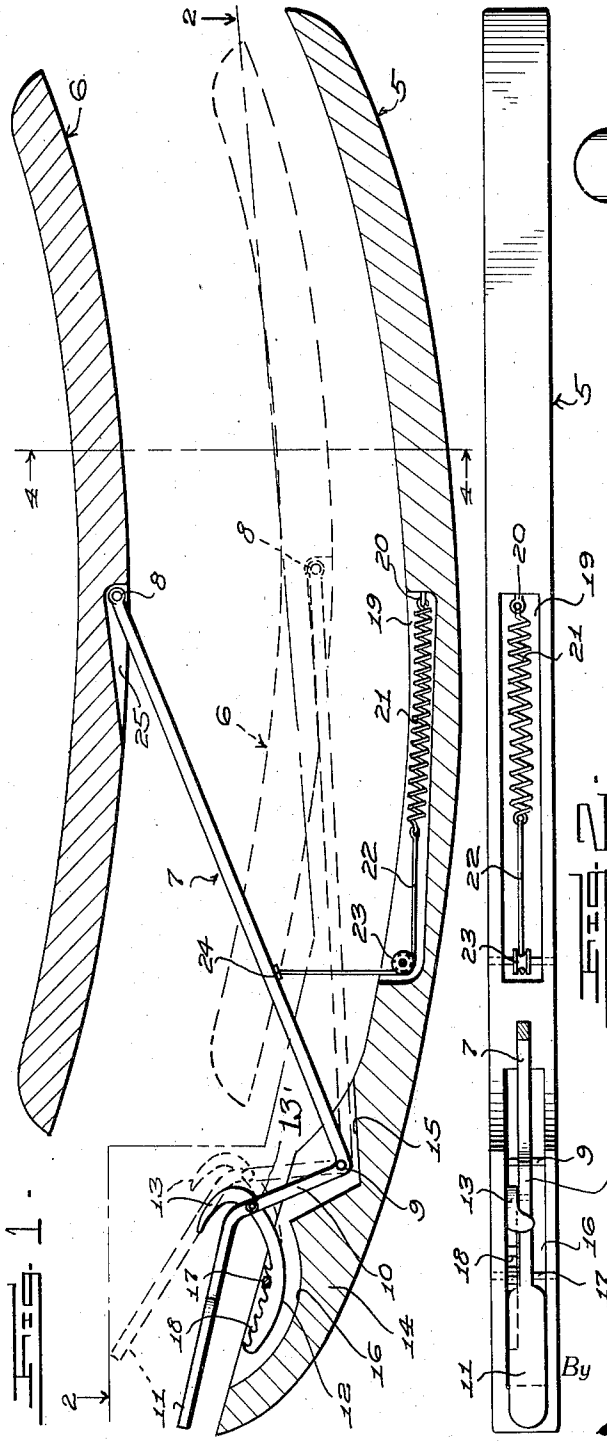

Fig. 1.

Fig. 2.

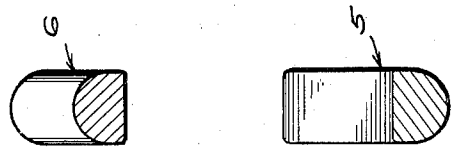

Fig. 4.

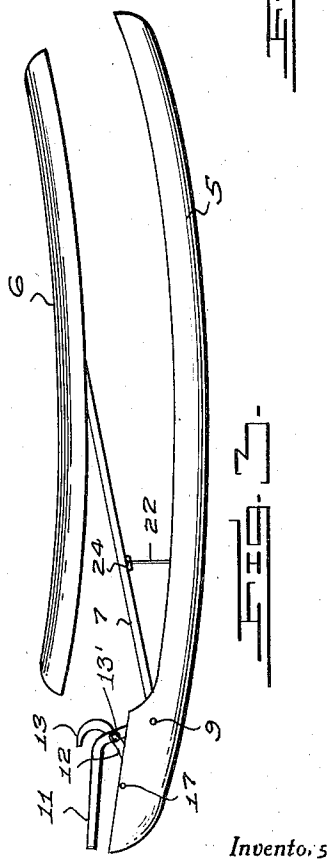

Fig. 3.

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FORMER FOR GARMENTS

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Application March 11, 1939, Serial No. 261,375

3 Claims. (Cl. 223—74)

Our invention relates to improvements in formers for use with pressing machines, and an important object of our invention is to provide a simple and efficient arrangement of this character which is readily adjustable for garments of different sizes and shapes.

Other important objects and arrangements of our invention will be apparent from a reading of the following description taken in connection with the drawing, wherein for purposes of illustration we have set forth a preferred embodiment of our invention.

In the drawing:

Figure 1 is a general vertical longitudinal sectional view taken through the embodiment and showing the same in an expanded condition in full lines, and in a relatively contracted position in phantom lines, and illustrating the three-point operative connection arrangement.

Figure 2 is a horizontal sectional view taken through Figure 1 approximately on the line 2—2 and looking downwardly in the direction of the arrows.

Figure 3 is a side elevational view of Figure 1 on a reduced scale.

Figure 4 is a transverse vertical sectional view taken through Figure 1 approximately on the line 4—4 and looking toward the right in the direction of the arrows.

Referring in detail to the drawing, the former consists of the relatively stationary member 5, the relatively movable member 6, the relatively rigid rod 7 pivoted as indicated by the numeral 8 to the member 6 and as indicated by the numeral 9 to the member 5, the rod having a substantially right angular arm 10 which terminates in an acutely angulated handle 11, a scimitar-shaped ratchet 12 being pivoted adjacent one end as indicated by the numeral 13' on the arm 10 adjacent the part 11 as clearly shown in Figure 1 of the drawing, these arrangements producing the three-point operative connections of the device. This ratchet 12 is provided with a handle part 13 as shown.

The member or section 5 is suitably constructed of wood and has the substantially semi-circular cross section exhibited in Figure 4, and where the device is adapted for sleeve forming this member will be longitudinally bowed as indicated in Figure 1 and provided at the handle end with an enlarged cross section part 14 which has the recess 15 in which the pivot 9 is mounted, the upper outer part of the recess 15 opening into a crescent-shaped depression 16 across the upper part of which is located the ratchet stop or pin 17 with which the teeth 18 on the upper side of the ratchet 12 engage, the recess 16 providing sufficient room to swing the ratchet out of engagement with the stop 17. In addition to the described depressions the element 5 has the elongated depression 19 in one end of which is an eye 20 anchoring the adjacent end of a contracting spring 21 to whose opposite end is connected a cable or cord 22 which is trained under and around a pulley 23 mounted in the end of the recess 19 opposite the eye 20, the free end of the cord or cable being connected as indicated by the numeral 24 to an intermediate part of the rod 7, the spring thereby having the effect of drawing the members 5 and 6 toward each other when the handle 18 is released by disengaging the teeth 18 of the ratchet 12 from the stop pin 17. When the handle 11 is pressed toward the member 5 this has the effect of moving the member 6 away from the member 5, while movement of the handle 11 away from the member 5 has the effect of contracting the member 6 toward the member 5 to a position such as is illustrated in dotted lines in Figure 1. When the desired adjustment has been achieved, stretching the sleeve or the like to the desired shape and tension, the ratchet 12 is swung to engagement with the stop pin 17 so as to lock the sections 5 and 6 in their new positions. The movement of the sections 5 and 6 toward each other is positively assisted by the natural contraction of the spring 21 when the ratchet is released.

The section 6 has a substantially semi-circular cross section illustrated in Figure 4 and is in the case of a sleeve former, shorter than the section 5 and conforms generally in curvature and cross section, and has an appropriately formed recess 25 in the side facing the member 6 in which the pivot 8 is mounted to connect the outer end of the rod 7. As shown the members 5 and 6 have their rounded sides turned laterally outwardly in opposite directions so as to properly engage the inside of opposite side portions of the sleeve being operated upon.

It will be understood that the sections 5 and 6 are to be of such length, cross section, and curvature as may be required for the forming of the particular garment or portion thereof, with which the device is to be used.

Although we have shown and described herein a preferred embodiment of our invention, it is to be definitely understood that we do not desire to limit the application of the invention thereto, and any change or changes may be made in the materials and in the structure and arrange-

ment of the parts, within the spirit of the invention and the scope of the subjoined claims.

Having described the invention, what is claimed as new is:

1. A garment forming device comprising a pair of substantially complementary sections arranged in side by side relation, a rod pivoted to an intermediate part of one section and to a part adjacent one end of the other section, thereby connecting the sections for lateral adjustment toward and away from each other, spring means for normally holding the parts with the two sections adjacent each other, a handle part extending at an angle from that end of the rod which is pivoted to said other section, for manipulating the rod to move the sections toward and away from each other and latch means for holding the rod in adjusted position.

2. A garment forming device comprising a pair of substantially complementary sections arranged in side by side relation, a rod pivoted to an intermediate part of one section and to a part adjacent one end of the other section, thereby connecting the sections for lateral adjustment toward and away from each other, spring means connected to said rod for urging the rod toward one of the sections for contracting the sections toward each other, a handle part connected with that end of the rod which is pivoted to said other section and extending at an angle for manipulating the rod to adjust the sections toward and from each other, latch means connected with the handle and a keeper part on said other section for engagement by the latch means for holding the parts in adjusted position.

3. A garment forming device comprising a pair of substantially complementary sections arranged in side by side relation, a rod pivoted to an intermediate part of one section and to a part adjacent one end of the other section, thereby connecting the sections for lateral adjustment toward and away from each other, said rod having a handle beyond the pivotal point of connection of one end thereof with one of the sections, a ratchet lever pivoted on said handle, and a ratchet dog stationarily mounted on the last-mentioned section for releasable engagement by the ratchet lever to lock the sections in relatively adjusted relation.

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