Nov. 11, 1930. M. HÉLIOT 1,781,580

TAILORING

Filed Nov. 19, 1928

Fig. 1

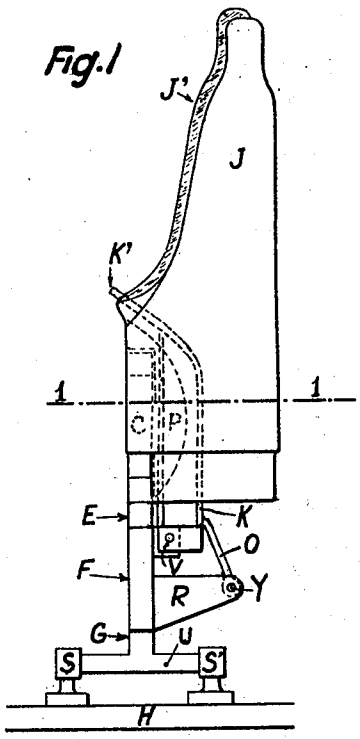


Fig. 2

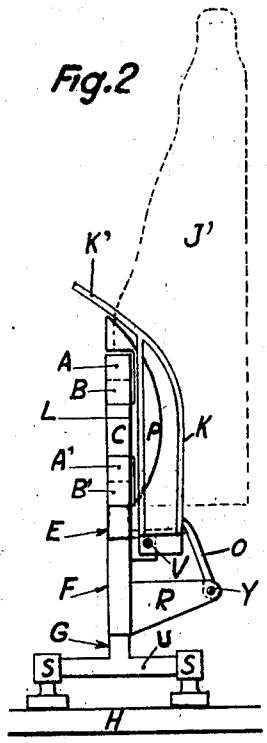


Fig. 5

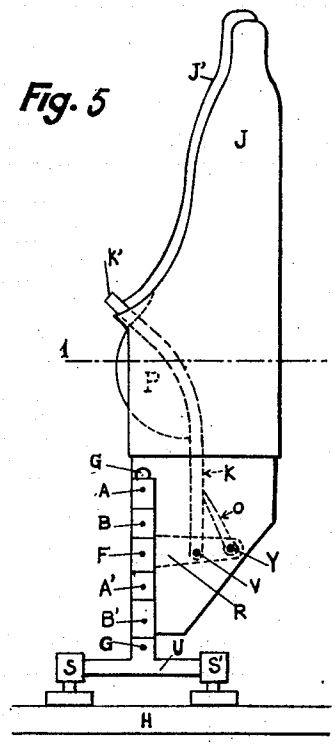


Fig. 3

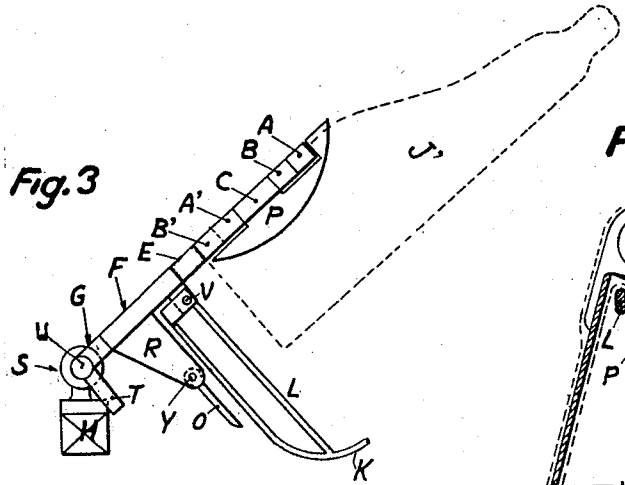
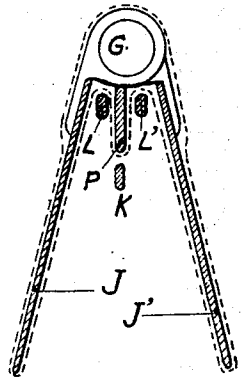


Fig. 4



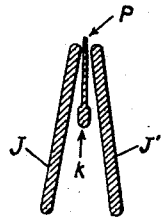


Fig. 6

Witnesses

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UNITED STATES PATENT OFFICE

MAURICE HÉLIOT, OF TROYES, FRANCE

TAILORING

Application filed November 19, 1928, Serial No. 320,517, and in France January 7, 1928.

This invention relates to tailoring apparatus intended for pressing pants and similar articles. The apparatus consists chiefly of two legs of metal, shaped according to the article to be treated, and hingedly mounted to pivot independently around a common axis, in combination with a segment likewise mounted on the axis carrying the legs and disposed between them, said segment preventing any undesirable creases forming in the seat portion whilst it forms however, a crease which will remain after the removal of the article, by acting in combination with a lever with three arms which forms the crease in the seat portion conjointly with the previously mentioned segment and stretches the gusset between the legs, this arrangement being further capable of oscillating around an axis perpendicular to that of the supporting axis to render the putting on and removing of the garment easier.

The accompanying drawing, given as an example of construction, shows at: Fig. 1 the complete device with pants in position on the legs. Fig. 2 the apparatus with the legs dismantled to show the arrangement serving to form the fold at the bottom part of the pants. Fig. 3 the device inclined to facilitate the fitting on and removing. Fig. 4 a plan view of the apparatus according to line 1—1 of Fig. 1. Figs. 5 and 6 a second form of construction in elevation and section taken on the horizontal plane 1—1 of Fig. 5.

This apparatus or form consists in principle of an axis G on which are mounted, articulated by means of hinges, two metal legs J and J′ which are independent of each other and pivot on the axis G which is stationary. The legs J and J′ have respectively hinges A—A′ and B—B′. The whole of these two legs is supported by the socket E which forms part of the axis G, the two legs thus articulated can therefore assume any positions over a sector of 90 degrees.

Between the hinges A—B and A′—B′ is a socket C which is also movable on the axis G and independent of the other articulations. This socket has a segment P the object of which is to put the pocket which exists in the bottom part of the pants into fold.

The lower part of the axis G before its base carries a socket F which is movable about the axis which carries it; at its upper part, is mounted, articulated on a small axis V, an apparatus comprising three flat rods, two of which L, L′ are disposed astride the segment P and hold the material of the pocket of the bottom of the pants while the third rod K reinforces the two rods L, L′ and forms the gusset between the legs with its extension K′.

To hold in the vertical position this device which sits astride the segment P, a bracket R integral with the socket F carries, articulated at Y, a pin O which by a suitable arrangement applies a push in an inclined direction from the bottom upwardly, on the triangle K.

The segment P instead of being mounted on a special socket C may be secured, by giving it an appropriate or resilient shape, to the pivoted arm K and may move therewith. The result is that there is only a single socket on axis G instead of two and that the hinges A—B and A′—B′ can be closed into the base of the device to leave the space between the legs J, J′ free over the whole length thereof on which the article to be finished is fitted (Figs. 5 and 6).

To facilitate the fitting and removal of the articles to be finished the whole of the apparatus or form is mounted on an axis U which can pivot freely in two supports S and S′ which are secured to any cross piece H, said axis U being inclined to any angle by means of an adjustable stop T secured on the axis U and which abuts on the cross piece H when the apparatus is caused to pivot as will be seen in Fig. 3 of the drawing.

The legs of this apparatus can be made extensible, of boards, of tube or wire and the elements forming this apparatus can be transformed or simplified without modifying the combination.

The whole of this apparatus can be arranged of hollow sections heated by steam, electrical resistances or any other heating means.

I claim:

1. In tailoring apparatus for pants and

similar garments, in combination, two metal legs shaped to conform to the article under treatment, an axis, means hinging said legs to said axis, a socket mounted on said axis, a segment mounted on said socket, said segment serving to lift the seat portion and form a fold therein.

2. In tailoring apparatus for pants and similar garments, in combination, two metal legs shaped to conform to the article under treatment, an axis, means hinging said legs to said axis, a pivoted arm adapted to form a gusset in the article, a socket secured on said arm, a segment mounted on said arm, said segment serving to lift the seat portion and form a fold therein.

3. In tailoring apparatus for pants and similar garments, in combination, two metal legs shaped to conform with the article under treatment, an axis, means hinging said legs to said axis, a socket mounted on said axis, a segment mounted on said socket, said segment serving to lift the seat portion and form a fold therein, a pivoted arm capable of being swung down, said pivoted arm having limbs adapted to form the folds of the seat conjointly with said segment and stretching the gusset between the legs.

4. In tailoring apparatus for pants and similar garments, in combination, two metal legs shaped to conform to the article under treatment, an axis, means for hinging said legs to said axis, a socket mounted on said axis, a segment mounted on said socket, said segment serving to lift the seat portion and form a fold therein, a pivoted arm capable of being swung down and having three limbs adapted to form the folds of the seat conjointly with the segment and stretching the gusset between the legs, and a pin carried on a bracket mounted on the socket carrying the pivoted arm and adapted to keep said arm forming the folds in position.

5. In tailoring apparatus for pants and similar garments, in combination, two metal legs shaped to conform to the article under treatment, an axis, means for hinging said legs to said axis, a socket mounted on said axis, a segment mounted on said socket, said segment serving to lift the seat portion and form a fold therein, a pivoted arm capable of being swung down and having three limbs adapted to form the folds of the seat conjointly with the segment and stretching the gusset between the legs and a pin carried on a bracket mounted on the socket carrying the pivoted arm and adapted to keep said arm forming the folds in position, a horizontal rotatable member carrying said axis, bearings for said rotatable member, a cross piece on which said bearings are mounted, and a stop, mounted on said rotatable member for limiting the inclination of said axis.

MAURICE HÉLIOT.