

Jan. 13, 1953

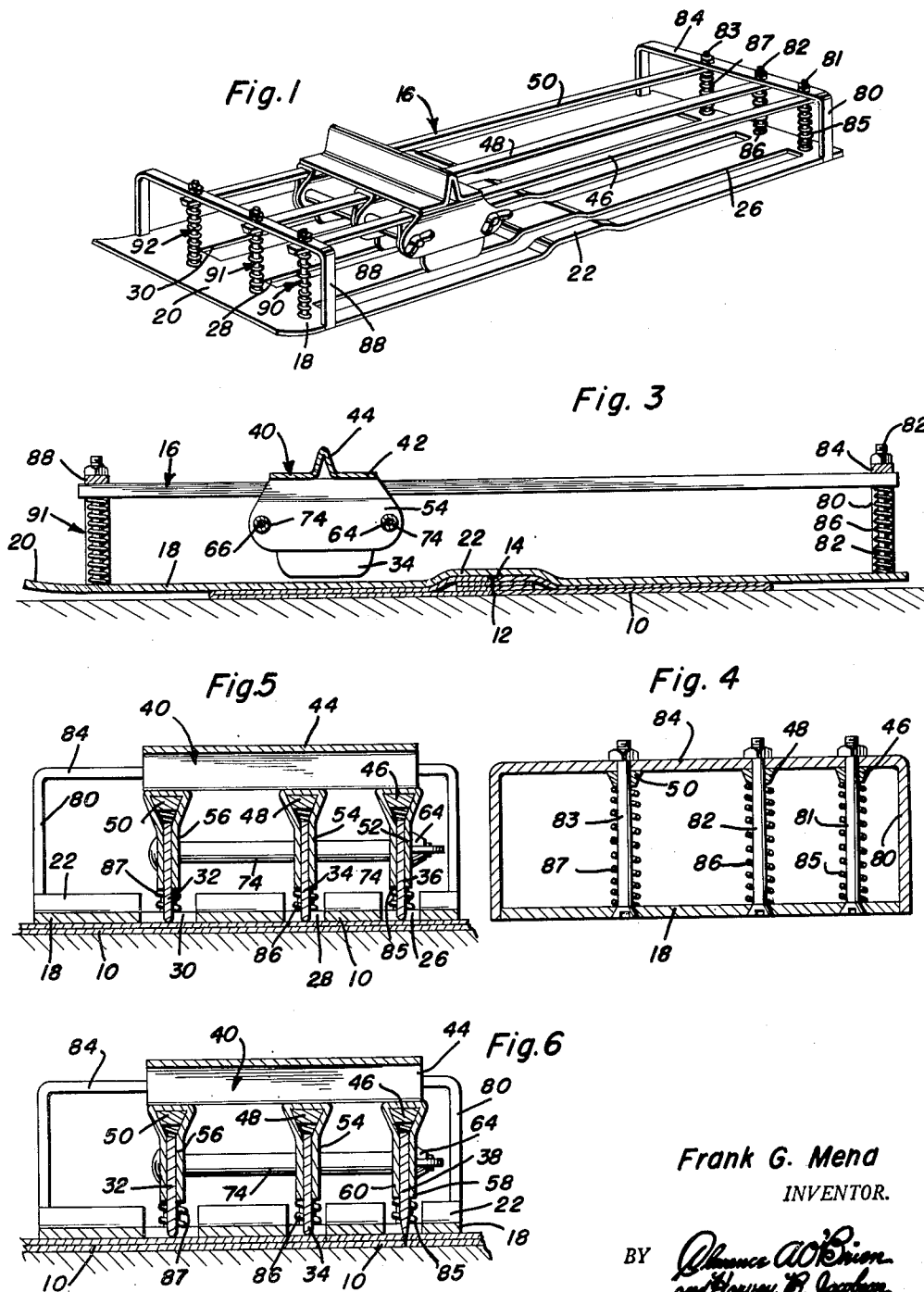
F. G. MENA

2,624,945

CUFF MARKER

Filed March 12, 1951

2 SHEETS—SHEET 1



Frank G. Mena
INVENTOR.

BY *Albance A. O'Brien*
and *Harvey B. Jackson*
Attorneys

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F. G. MENA

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Filed March 12, 1951

2 SHEETS—SHEET 2

Fig. 2

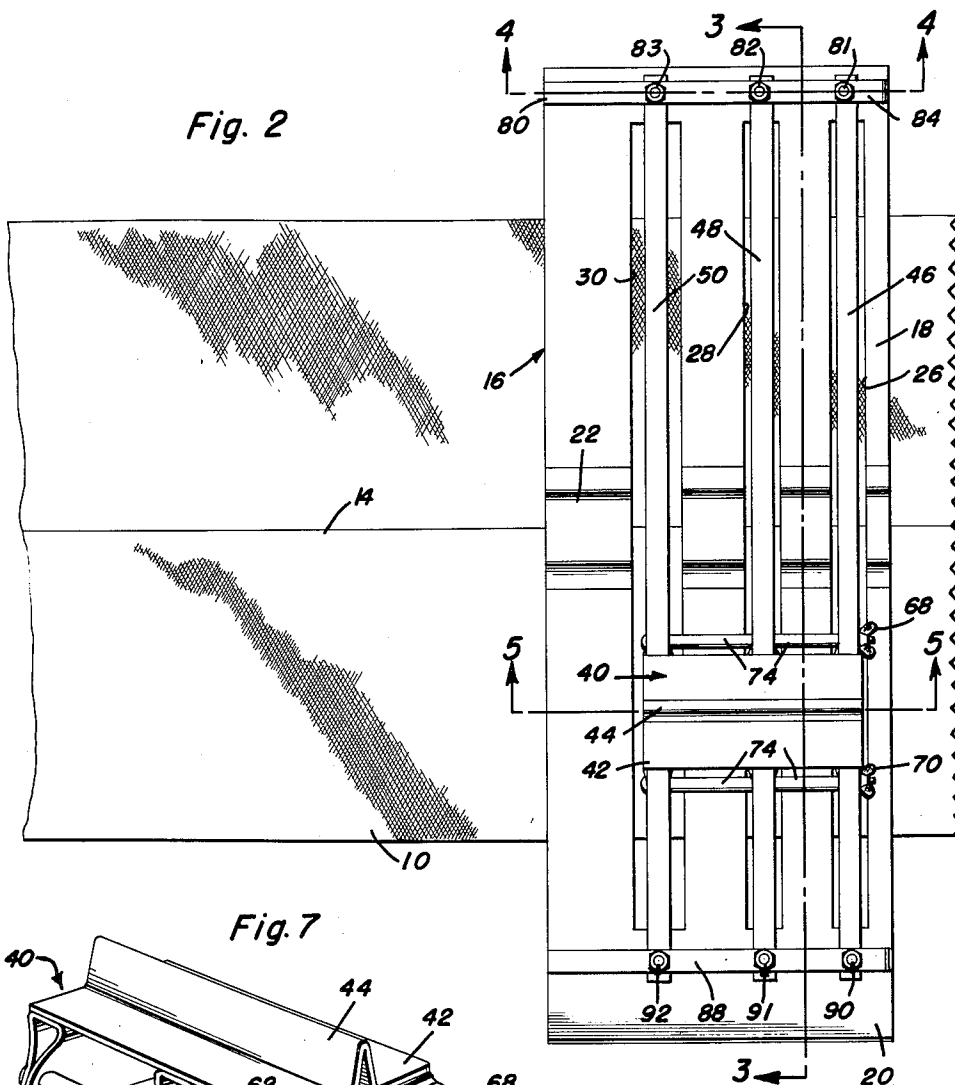


Fig. 7

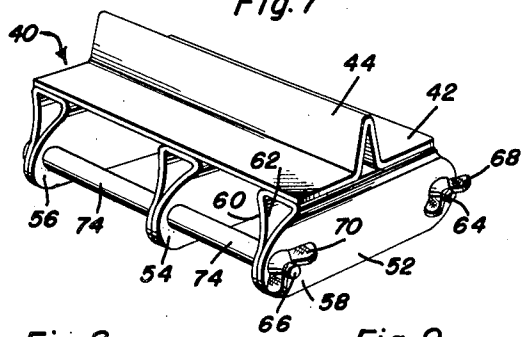


Fig. 8

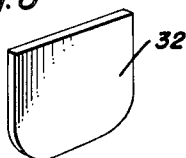
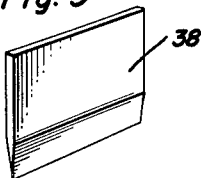


Fig. 9



Frank G. Mena
INVENTOR.

BY *Chance A. Brown*
and Harvey B. Jacobson
Attorneys

UNITED STATES PATENT OFFICE

2,624,945

CUFF MARKER

Frank G. Mena, Galveston, Tex.

Application March 12, 1951, Serial No. 215,169

5 Claims. (Cl. 33—41)

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This invention relates to improvements in devices for marking the lower ends of pants legs in the appropriate manner for subsequently making cuffs on the pants legs.

An object of this invention is to provide an improved device for marking the lower parts of the legs of a pair of trousers, the device including a base having provision to accommodate the seams of the pants legs and a plurality of parallel slots, a carriage yieldingly mounted for movement in a direction parallel to the slots and directly above the slots whereby the carriage being provided with markers or a cutter and two markers, may be slid across the pants legs to perform the necessary operations.

In marking pants legs for subsequently forming cuffs thereon it is usually necessary that three lines be drawn, usually by tailor's chalk, the lines being a definite spaced relationship from each other in order that cuffs of a proper size may subsequently be made. Accordingly, it is another object of this invention to mark the pants legs in such a manner that the three lines are scribed simultaneously and in the proper spaced relationship to each other.

Inasmuch as the lowermost line made on the pants leg is a guide for cutting purposes, the cutting may be accomplished directly, in lieu of first marking and then cutting by supplying in the instant device a cutter in lieu of one of the markers whereby upon operation of the carriage, two lines are made on the pants and instead of the third line being formed, the pants leg is cut off at the proper place.

Ancillary objects and features of importance will become apparent in following the description of the illustrated forms of the invention.

In the drawings:

Figure 1 is a perspective view of the device;

Figure 2 is a top view of the device showing it in position for operation on a pair of pants;

Figure 3 is a longitudinal sectional view taken on the line 3—3 of Figure 2 and in the direction of the arrows;

Figure 4 is a transverse sectional view taken on the line 4—4 of Figure 2 and in the direction of the arrows;

Figure 5 is a transverse sectional view taken on the line 5—5 of Figure 2 and in the direction of the arrows;

Figure 6 is a transverse view similar to the view of Figure 5 but showing the use of one cutter in lieu of one of the scribes or markers;

Figure 7 is a perspective view of the carriage;

Figure 8 is a perspective view of a standard marker or scribe, preferably tailor's chalk; and

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Figure 9 is a perspective view of a cutter which may be substituted for the chalk.

As illustrated in Figure 2 there is a pants leg 10 of standard construction having seams 12 and 14 in the usual places. The pants cuff marking device 16 which is adapted to be used for marking purposes and if desired, a combination marking and cutting function is located on the pants leg at the proper distance from the end seam of the pants. The marking device includes a base 18 which is essentially of a flat plate construction, the base having an upwardly curved end portion 20 to facilitate rapid handling of the device whereby it will not ordinarily be caught under one of the creases of the pants legs. There is a raised or bight portion 22 extending transversely across the base 18, this bight portion being adapted to accommodate the seams 12 and 14 when the base 18 is located on the pants leg.

There are three longitudinal slots 26, 28 and 30 extending lengthwise of the plate 18, these longitudinal slots being adapted to receive one of two assemblies, one assembling consisting of three scribes 32, 34 and 36, each of which is preferably made of tailor's chalk. The other assembly consists the scribes 32 and 34 together with a cutter or knife blade 38 in lieu of the marker or scribe 36.

The markers and cutter blade 32 are carried by a carriage 40 which comprises an upper plate 42 having a longitudinal rib 44 rising therefrom, this rib constituting a handle to slide the carriage back and forth on the rails 46, 48 and 50, respectively. The carriage has three clamps 52, 54 and 56, made of suitable yielding material, each clamp comprising a pair of sides 58 and 60 arranged with an upper passage 62 in order to accommodate its rail and fastened by standard means to the upper plate 42 transversely thereof. A pair of stay bolts 64 and 66 extend through aligned apertures in each of the clamps 52, 54 and 56 and wing nuts 68 and 70 are provided on the stay bolts at the ends opposite from the ends having heads thereon. Spacers, preferably in the form of sleeves, 74 are located concentrically on the stay bolts 64 and 66 and are disposed between the clamps 52, 54 and 56 so that upon tightening the wing nuts 68 and 70 the sides of each clamp are squeezed together. Inasmuch as the space between the sides of each clamp 52, 54 and 56 constitutes a pocket to accommodate the markers 32, 34 and 36 or the cutter 38 in lieu of one of the markers tightening the wing nuts 68 and 70 appropriately will clamp the markers and/or cutter blade 38 in place properly.

As disclosed in Figure 5, the rails 46, 48 and 50 have tapered sides and accordingly the passages 62 of each clamp 52, 54 and 56 are similarly tapered to fit properly thereagainst. The rails are supported directly above the slots 26, 28 and 30 of the base 18 and they are yieldingly supported by means located at opposite ends of the base 18 so that the rails may be displaced downwardly allowing the scribes or markers and cutter 38 when it is used, to be lowered through the slots for contact and engagement with the surface of the pants. The means of mounting the rails so that they can be displaced vertically is seen best in Figures 1 and 4. There is a first bracket 80 of substantially U-shaped construction fastened to one end of the base 18 and three shanks 81, 82 and 83 rise from the upper surface of the base 18, these shanks being fastened to the base and the upper cross member 84 of the bracket 80. Any standard means, as the nuts illustrated in Figure 4, may be used for holding the shanks 81, 82 and 83 in place. Yielding means, preferably springs 85, 86 and 87, are concentrically on the shanks 81, 82 and 83. These springs seat against the upper surface of the base 18 and against the bottom surfaces of the rails 46, 48 and 50, constantly yieldingly pressing the rails upwardly so as to contact the lower surface of the cross member 84.

The opposite ends of the rails 46, 48 and 50 are carried by a similar assembly, including a bracket 88 fastened to the base 18, this bracket having a plurality of spring and shank assemblies 90, 91 and 92 associated therewith, the spring assemblies being identical to the described yielding means in connection with supporting the opposite ends of the rails 46, 48 and 50.

In operation, since the slots 26, 28 and 30 are spaced a definite amount from each other, this amount being the proper amount for marking the lower ends of pants legs in order to make cuffs by using the markings, when the carriage 40 is depressed, the scribes or combination scribes and cutter 38 are pressed into operative engagement with the pants leg. Since the rails 46, 48 and 50 are provided with openings near the ends thereof, these openings receiving the shanks at the ends of the base 18, the entire rail assembly and carriage is moved downwardly. But, the carriage is capable of sliding movement on the rails whereby the proper scribing or scribing and cutting may take place upon a single sliding movement of the carriage from one end of the rails to the other. Then, the pants are ready for further cuff making operations.

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

1. A pants cuff marking device comprising a base provided with three parallel slots, brackets disposed at the ends of said base, three rails, yielding means disposed in said brackets supporting said rails for movement toward and away from said base, a carriage mounted for sliding movement on said rails and longitudinally of said base, and means for supporting scribes constituting a part of said carriage and located in alignment with said slots, and said base having a transverse bight portion in which pants seams are adapted to be located when said base is disposed on a pants leg.

2. In a pants cuff marking device, a base, a plurality of longitudinal slots disposed in said

base, a carriage provided with means for supporting scribes and cutters, means carried by said base yieldingly mounting said carriage above said slots, and said carriage being adapted to be manually moved downwardly toward said slots, and said mounting means including at least one rail extending longitudinally of said slots on which said carriage is slidable, said yieldingly mounting means including also a pair of vertically rising shanks attached to opposite ends of said base, springs disposed on said shanks and reacting on said base, said rail being seated on said springs, said springs constantly urging said rail vertically away from said base, whereby said rail may be manually moved downwardly by vertical downward force applied to the carriage in such a manner as to compress said springs, said base being provided with a transverse raised portion to constitute a pocket to receive the seams of the trouser leg upon which the base is adapted to be disposed.

3. A pants cuff marking device comprising a base provided with a plurality of longitudinally extending parallel slots, upstanding inverted U-shaped brackets mounted at opposite ends of said base, a plurality of rails extending between said brackets above and in alignment with said base slots, upstanding shanks disposed between the web of each bracket and the end of the base, the ends of said rails being vertically slidably connected to said shanks between the base and the bracket webs, a carriage slidably mounted on said rails and including means supporting scribes and cutters aligned with said slots, resilient means surrounding said shanks normally maintaining said carriage above said base and said scribes and cutters out of engagement with said slots.

4. A pants cuff marking device comprising a base provided with three spaced, longitudinally extending parallel slots, upstanding brackets mounted at the ends of said base, three rails disposed above said base and extending between said brackets in alignment with said slots, a carriage longitudinally slidably mounted on said rails, said carriage including an upper plate extending transversely of said rails, spaced longitudinally extending channel-shaped clamps secured to said plate at their webs, said clamps receiving said rails between their flanges whereby the carriage is slidably mounted, scribes and cutters disposed between the free ends of the clamp flanges, said scribes and cutters being aligned with said slots and means detachably securing said scribes and cutters between their clamp flanges.

5. The combination of claim 4, wherein said rails have tapered sides and said clamp flanges having corresponding tapers for a portion of their length to prevent vertical movement of the rails with respect to the clamps.

FRANK G. MENA.

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