No. 774,599. PATENTED NOV. 8, 1904.

F. L. McMULLEN.

TAILOR'S BLOCK.

APPLICATION FILED NOV. 12, 1903.

NO MODEL.

Fig. 1.

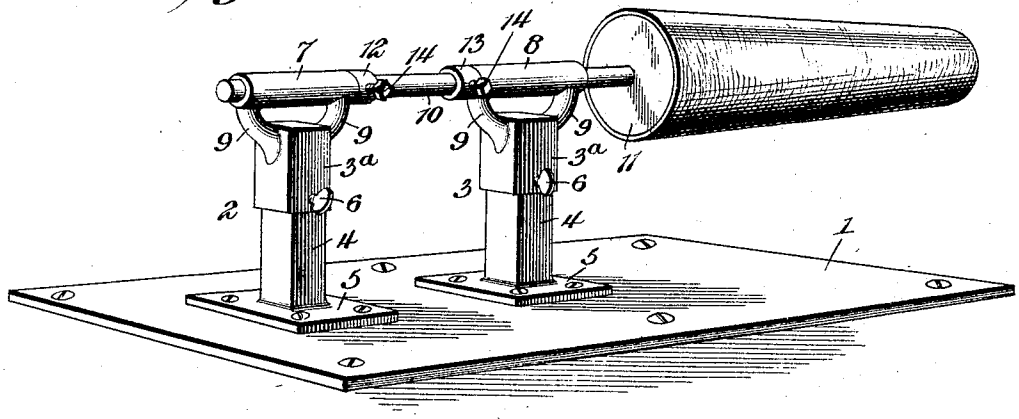


Fig. 2.

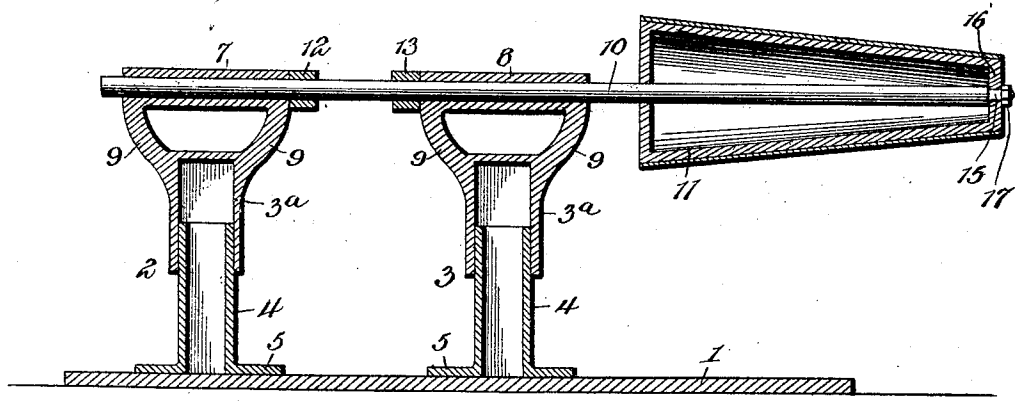
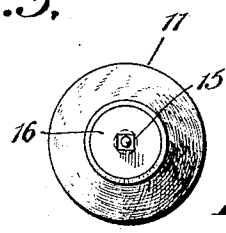


Fig. 3.



Witnesses
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No. 774,599. Patented November 8, 1904.

UNITED STATES PATENT OFFICE.

FREDERICK LEWIS McMULLEN, OF MOUNDSVILLE, WEST VIRGINIA.

TAILOR'S BLOCK.

SPECIFICATION forming part of Letters Patent No. 774,599, dated November 8, 1904.

Application filed November 12, 1903. Serial No. 180,894. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK LEWIS McMULLEN, a citizen of the United States, residing at Moundsville, in the county of Marshall and State of West Virginia, have invented a new and useful Tailor's Block, of which the following is a specification.

This invention relates to a novel tailor's block, designed particularly to facilitate the finishing of trouser-legs. In the ordinary method of finishing trouser-legs a strip of gum-tissue is placed around the leg near the bottom, the hem is then turned back over the tissue, and is basted to retain the hem accurately in place during the subsequent ironing, which melts the tissue and cements the hem in place. Sixty per cent. of the time and labor expended by this process is required for the basting or sewing of the hem; and the primary object of my present invention is to produce a simple, inexpensive, and effective contrivance by the use of which the trouser-legs may be finished without the necessity for sewing, basting, or otherwise securing the hem in place preparatory to the ironing thereof.

A further object of the invention subordinate to that just stated is to produce a revoluble tailor's block supported at one end only and tapering uniformly toward its unsupported end, so as to fit tightly within the ends of trouser-legs of different sizes, and thus enabling the operator after placing the gum-tissue on the leg and turning back the hem to iron down the latter by the application of a flat-iron with one hand and to employ the other hand, if necessary, for the purpose of holding the hem in place as the block is gradually revolved by the manipulation of the iron.

A further object of the invention is to produce a block of the stated character having a yielding frictional surface, which will insure such frictional retention of the trouser-leg as will prevent the dislocation thereof from its proper position upon the block when the hem is pulled back over the gum-tissue.

A still further object of the invention is to equip the block with a support capable of being quickly adjusted in order to dispose the block at a convenient height.

To the accomplishment of the recited objects and others subordinate thereto, as will hereinafter more fully appear, the invention resides in that construction and arrangement of parts to be hereinafter described, illustrated in the accompanying drawings, and succinctly defined in the appended claims.

In said drawings, Figure 1 is a perspective view of the device complete. Fig. 2 is a central vertical section thereof, and Fig. 3 is an end elevation of the block detached.

Like numerals of reference designate corresponding parts in the several views.

Rising from a suitable base 1, which may be a table-top or a separate base-plate designed for attachment thereto, are a pair of extensible standards 2 and 3, each of which comprises upper and lower telescopic sections 3^a and 4. These standard-sections may be constructed in any desired manner and of any preferred form, but are preferably angular, as shown, the section 4 fitting within the upper section 3^a and having a foot-flange 5 screwed or otherwise secured to the base 1. Suitable means—as, for instance, a set-screw 6—is passed through one wall of the section 3^a to engage the section 4 for the purpose of retaining the parts in their adjusted positions.

Each of the standards 2 and 3 is surmounted by a comparatively long bearing-sleeve 7 or 8, disposed in axial alinement, and preferably carried by the supporting-arms 9, diverging from the upper ends of the standards. These sleeves are designed for the rotatable support of a spindle 10, carrying at one end the block 11, which is otherwise unsupported, longitudinal movement of the spindle being prevented by bearing-collars 12 and 13, adjustably retained upon the spindle by set-screws 14 and disposed to bear against the proximate ends of the bearing-sleeves 7 and 8.

The block 11 may be of any desired length and diameter, but in accordance with the invention is uniformly tapered from end to end, being preferably trunco-conical, as shown. While the block may be solid, if preferred, that illustrated is in the form of a hollow shell pierced axially by the spindle 10, having a reduced squared end 15, fitted in a

correspondingly-formed opening in the outer end wall 16 of the block, the latter being retained by a nut 17, screwed upon the extremity of the spindle. Thus the block and spindle are connected for rotation in unison, and by reason of the tapering form of the block it will be obvious that the end of a trouser-leg of any desired size may be drawn up until the block fits snugly therein. The gum-tissue is then passed around the leg adjacent to its end, and the hem is then pulled back over the tissue preparatory to ironing down the hem—as, for instance, with a flat-iron, the heat from which melts the gum, and thus cements the hem to the body of the leg.

By reason of the tapering form of the block, however, there is more or less liability of drawing back or dislocating the trouser-leg when the hem is pulled back over the gum. To avoid this contingency, I provide the block with a frictional covering of cloth or the like, which resists the slipping of the leg. Furthermore, this frictional covering is more or less yielding or resilient, and being compressed when the trouser-leg is drawn to place its tendency to expand assists in securely retaining the leg in place while the hem is being drawn back.

It will now be apparent that by the use of this block trouser-legs may be finished without the necessity for the preparation of the leg in the usual manner—that is to say, it is entirely unnecessary to baste the hem back over the gum before the leg is placed on the block. On the contrary, it is simply necessary to draw the leg to place, pass the gum around the end of the leg, turn back the hem, and iron the same down, the manipulation of the iron serving to rotate the block to present successive portions of the hem in position for ironing and the other hand of the operator being free to hold the hem just in advance of the iron to insure the absolutely correct shape of the finished leg.

It is thought that from the foregoing the construction, operation, and many advantages of my improved tailor's block will be clearly apparent; but while the present embodiment of the invention appears at this time to be preferable I desire to reserve the right to effect such changes, modifications, and variations of the illustrated structure as may fall fairly within the scope of the protection prayed.

What I claim is—

1. The combination with a support, of a spindle carried thereby, and a rotary trunco-conical tailor's block having a frictional facing, the block being entirely free and unobstructed to permit a garment, as for instance a trouser-leg, to be drawn thereover.

2. The combination with an extensible support; of a spindle revolubly mounted therein, and a trunco-conical block carried by the spindle at one end thereof.

3. The combination with a support comprising a plurality of telescopic standards, and alined bearing-sleeves surmounting the same; of a spindle mounted to rotate in said sleeves, a trunco-conical block mounted at one end of the spindle and uniformly tapered from end to end thereof, said block having a covering of yielding material constituting a frictional facing therefor.

4. The combination with a support comprising a plurality of telescopic supports, and alined bearing-sleeves surmounting the same, of a spindle mounted to rotate in said sleeves, and a tailor's block mounted at one end of the spindle.

5. The combination with a support comprising a plurality of telescopic supports, and alined bearing-sleeves surmounting the same, of a spindle mounted to rotate in the sleeves, a tailor's block mounted at one end of the spindle and having a covering of yielding material constituting a frictional facing therefor, and means for preventing endwise movement of the spindle.

6. The combination with a plurality of extensible supports and alined bearing-sleeves surmounting the same, of a spindle mounted to rotate in the sleeves, collars carried by the spindle and bearing against the sleeves to retain said spindle against endwise movement, and a tailor's block mounted at one end of the spindle.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

FREDERICK LEWIS McMULLEN.

Witnesses:

HENRY MAYER,

HERMAN MOORE.