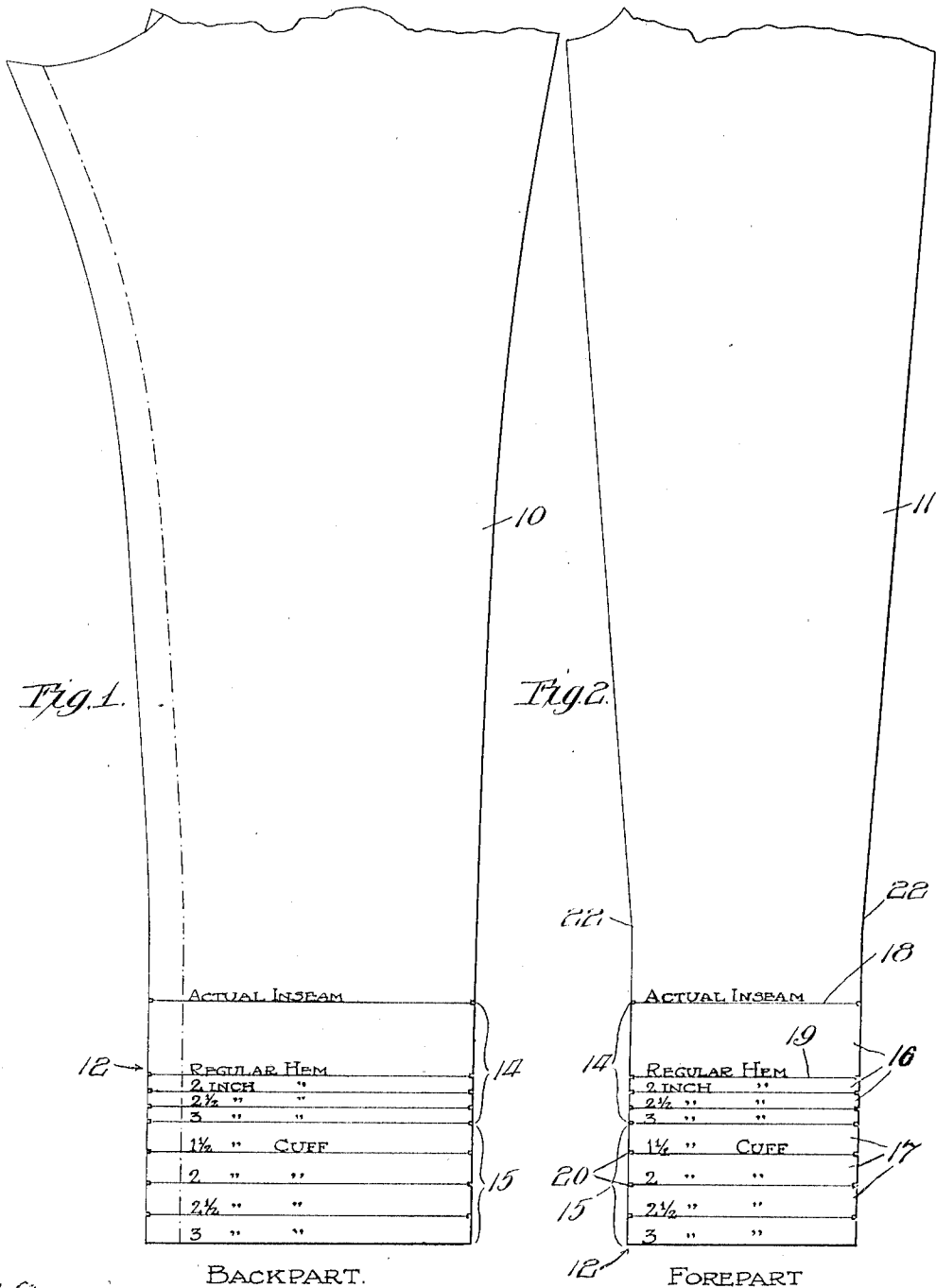


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TROUSERS PATTERN WITH HEM AND CUFF EXTENSION.
APPLICATION FILED OCT. 17, 1911.

1,064,072.

Patented June 10, 1913.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANK T. HARRINGTON, OF CHICAGO, ILLINOIS.

TROUSERS-PATTERN WITH HEM AND CUFF EXTENSION.

1,064,072.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed October 17, 1911. Serial No. 655,130.

To all whom it may concern:

Be it known that I, FRANK T. HARRINGTON, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Trousers-Patterns with Hem and Cuff Extension; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates to an improved block pattern for trousers, and refers more especially to a graduated or scale extension at the bottom of the pattern to make allowance for different width hems or hems and cuffs at the trouser bottoms, and to insure accurate measurements of the cloth constituting the hems without the necessity of independent measurements and calculation on the part of the cutter.

The invention consists in the matters hereinafter set forth and more particularly pointed out in the appended claim.

In the drawings;—Figure 1 is a plan view of the bottom portion of a backpart trousers pattern made in accordance with my invention. Fig. 2 is a plan view of the bottom of a forepart pattern.

As shown in said drawings 10 designates the backpart pattern and 11 the forepart pattern, the same being made of a non-shrinkable fiber or card board, preferably of some thickness to give suitable stability thereto. With respect to the means for making the allowance for the hems and cuffs, both the backpart and the forepart patterns are alike, and a description of one applies equally to the other.

Heretofore, in cutting trousers having variable or irregular hems or hems and cuffs from block patterns, it has been the custom for the cutter to make the proper allowance on the cloth for the hems and cuffs, as well as allowance for shrinkage, beyond the bottom end of the pattern either by measuring the cloth beyond the pattern, or by the cutter relying on his skill to estimate the amount of cloth required for the hem and cuff extension and shrinkage allowance. Considerable time is involved in accurately measuring the cloth to make the allowance for the hems and cuffs, and such allowances are in practice largely estimated, especially in the

rush work of cutters employed in shops known as "tailors to the trade," where the garments are made in the shop from measurements sent in by agents from the territory which the shop supplies.

It is the purpose of my invention to provide an extension pattern for hems or hems and cuffs at the bottom of and integral with the ordinary block patterns, and graduated in inches and fractions thereof to correspond with the width of the hems or hems and cuffs desired on the trousers bottom. In cutting the garment, this extension pattern is laid over the cloth to extend beyond the line where the regular bottom ends, and the hem and cuff extensions are marked on the cloth according to the measurements noted in the order which the cutter has before him. The lines or graduations on the extension pattern appear on the cloth exactly where the cloth is to be cut for a given sized hem or hem and cuff so that the cutter, knowing the width of the hem or hem and cuff called for by the order, is required only to mark the cloth in line with the graduations or scale lines of the pattern which designate such widths. In other words the width of the hem or hem and cuff is accurately indicated, and no independent measurements are required to be made by the cutter.

As shown in the drawings 12 designates the extension pattern referred to. It is divided by cross or scale lines into two general parts or sections, to wit, the part 14 by which to make allowance for the hem and the part 15 by which to make allowance for the cuff. The hem allowance section of the pattern is further divided into sub-sections 16, 16 to provide allowance for different width hems, and the cuff allowance section of the pattern is also divided into sub-sections 17, 17 to provide allowance for different width of cuffs. The line 18 is to designate the length of the actual inseam of the trousers leg, or the bottom line of the trousers leg about which the hem is turned inwardly, or at which the cloth is turned outwardly to form the cuff. The wide space between the line 18 and the regular hem line 19 indicates the width required to produce the regular hem. There are formed on the side margins of the extension pattern, at the ends of the scale lines which divide the said extension patterns into sections and sub-sections notches into which the marking chalk may be in-

serted when the cutter marks the cloth, so as to accurately mark the cloth at the line on the pattern to allow for the goods for the hem or cuff as called for by the order.

5 In the use of the pattern with the hem and cuff extension, the pattern is laid on the goods in the usual manner and the cloth is marked off for cutting the main part of the trousers leg in the usual way. If allowance
10 be made for the regular hem only, the cloth at the trousers bottom will be marked for cutting on the line 19, and the hem portion of the cloth so cut is turned up inside the trousers leg about the line 18. If a wider
15 hem is called for, the cloth is marked for cutting at one of the scale lines on the part 14 below the line 19. In like manner allowance for different widths of cuffs may be made by marking the cloth at the lines of
20 the extension cuff pattern which separate the subsections 17. It will be noted that the subsections 17 for the cuff extension pattern are made of substantially twice the width of the smaller subsections 16 of the extension
25 hem pattern in order to allow for the double thickness of the goods which is turned up on the outside of the trousers leg to produce the cuff, the width of the cloth required for the hem extension being approximately half
30 that required for the cuff extension. The graduations of the extension pattern will be figured to allow for shrinkage.

Among the advantages of my pattern with the hem and cuff extension is that the
35 allowance for the hem and cuff is made without separate calculation, thus saving the cutter's time in figuring out the proper allowance in inches of cloth, as well as for shrinkage of the goods on the different width hems
40 and cuffs. The extension pattern also effects a considerable saving in time in making the hem and cuff allowance and also insures against errors of cutters in making such allowance. Furthermore, inasmuch as all
45 allowances for the different extensions are on the pattern, and before the cutter, the cutter is not liable to cut the trousers without consulting the order blank, and is not

therefore liable to overlook a special width hem or a special width cuff. 50

The extension pattern 12 is formed with parallel side margins to give a square effect thereto, and the side margins of the portion of the block pattern immediately above the
55 line 18, indicating the length of the actual inseam, is likewise furnished with parallel side margins and of the same width as the extension pattern, the parallel lines of the bottom of the main pattern meeting the diverging side margins thereof at the points
60 22. Said points 22 are located a distance above the actual inseam line 18 equal to the width of the cloth turned up above the line 18 to form the hem. When the hem is made
65 wider than the regular hem, allowance may be made on the cloth to increase the straight or squared margins of the main pattern bottom. This arrangement of the pattern bottom insures that the goods, cut by the pattern, which are turned upwardly upon the
70 trousers bottom, will accurately match the trousers bottom above the actual inseam, so that there will be no occasion to alter the trousers to square the hem and cuff extensions to the bottom of the trousers leg after
75 the trousers are partly finished.

I claim as my invention;—

A non-shrinkable pattern of fiber board or the like for trousers provided with a transverse line indicating the actual inseam
80 of the trousers leg, and beyond said line with an integral hem and cuff extension pattern having parallel side margins, said extension pattern being provided with spaced, transverse scale lines to indicate the proper
85 allowance of goods for different width hems and cuffs.

In testimony, that I claim the foregoing as my invention I affix my signature in the presence of two witnesses, this 13th day of
90 October, A. D. 1911.

FRANK T. HARRINGTON.

Witnesses:

W. L. HALL,
G. E. DOWLE.