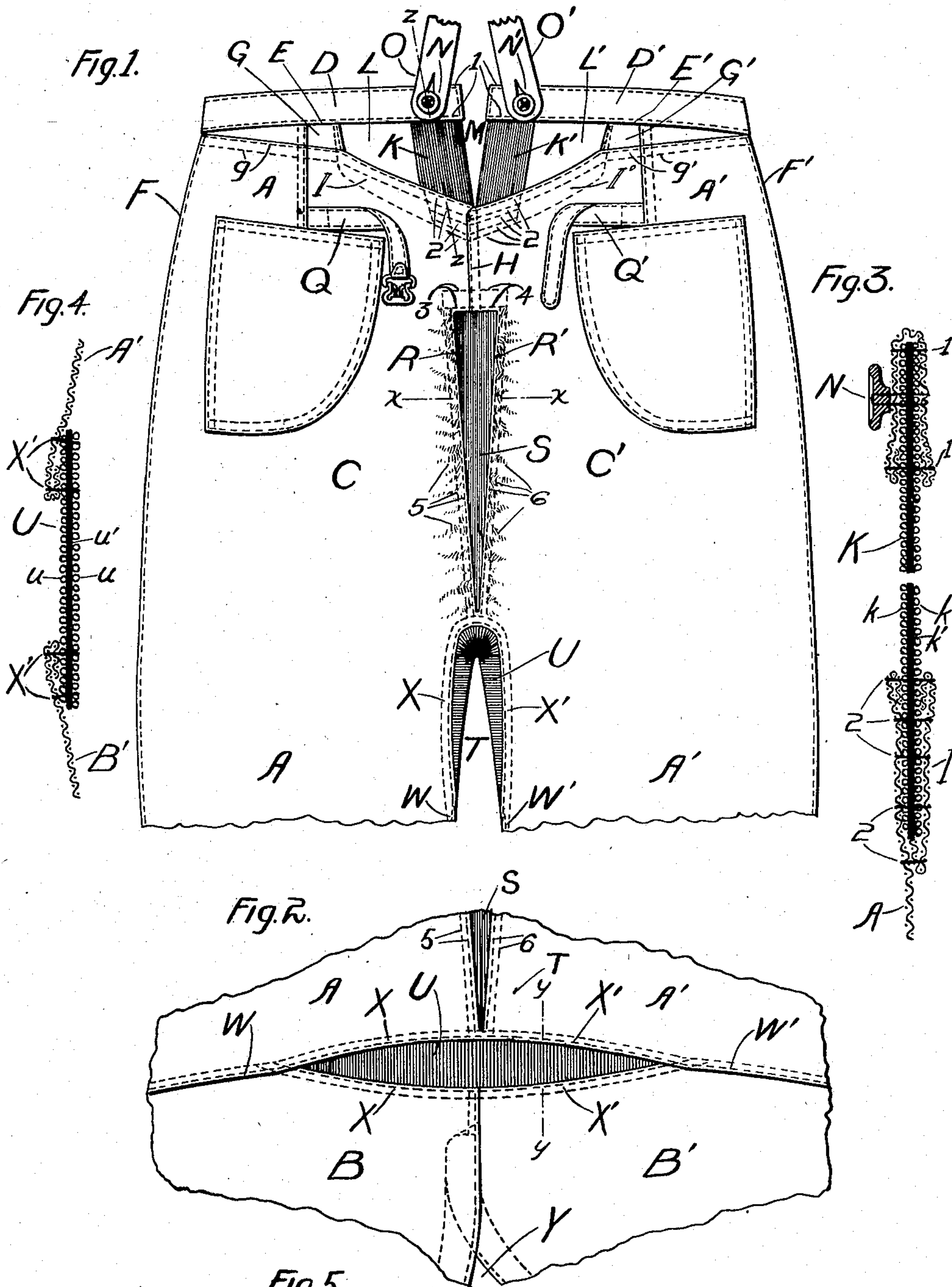


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OVERALLS.

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924,013.

Patented June 8, 1909.



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UNITED STATES PATENT OFFICE.

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OVERALLS.

No. 924,013.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH STECKER, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Overalls, of which the following is a specification.

My invention relates to overalls, and I employ the term overalls in the specification and claims as including overall-pants, which are garments which are the same as overalls with the exception that, whereas in overalls the side-seams of the legs are made straight, in overall-pants the material is cut to impart shape to the legs at these side-seams.

My invention is also applicable to so-called bib-overalls.

It is the object of my invention to provide an overall with novel means as part of the overall for permitting the same to give to bending or stooping strain by the wearer, to provide novel ventilating means for the same, to provide an overall which will have an easy fit and accommodate itself to the movements of the wearer, and the invention will be readily understood from the following description and claims, and from the drawing, in which latter:

Figure 1 is a rear elevation of my improved overall, partly broken away. Fig. 2 is a bottom view of the same partly broken away, showing the crotch and the legs of the garment stretched sidewardly for exposing the longitudinal shape of the crotch-inset and the relation between the median inset and the crotch-inset. Fig. 3 is a detail in section on the line $z-z$ of Fig. 1. Fig. 4 is a detail in section on the line $y-y$ of Fig. 2; and, Fig. 5 is a detail in section on the line $x-x$ of Fig. 1.

A A' represent the rear leg-sections, and B B' the front leg-sections of the overall. The rear leg-sections comprise the seat-portions indicated by the seat-halves C C'; which are usually in one piece with the rear leg-sections.

D D' represent the sections of the upper band. These sections of the upper band are spaced from each other at the back of the garment, as shown at E E', from the respective upper edges of the rear leg-sections, this space being preferably of V-form, the apices of which are presented outwardly, toward the outer side-seams F F' of the garment.

The outer ends of these spaces are filled by insets G G' preferably of the goods of which the garment is composed and having seams $g g'$ between them and the rear leg-sections.

The rear leg-sections have their upper ends united by a median seam H. Between the rear ends of the insets G G' and said median seam there are reinforces I I' at the respective sides of the median seam. Elastic strips K K' are located at the respective sides of the median line of the garment between the upper band and the upper ends of the respective rear leg-sections, these elastic strips being shown securely sewed to the band, as shown by the seams 1, and to the upper edges of the rear leg-sections and reinforces, as shown by the seams 2. There are openings L L' between the outer edges of said elastic strips and the insets G G', these openings being shown vertically disposed between the band sections D D' and the reinforces I I'. These openings L L' pass entirely through the garment and form ventilators at the rear of the garment and are so placed that relief from heat or covering is imparted to the wearer just below the waist-band, there being elastic supports at the inner side of said ventilators for yieldingly supporting the rear leg-sections of the garment from the waist-band, below which waist-band the ventilators are located, the waist-band being in practice composed of a plurality of thicknesses of goods which aid in maintaining the shape of the garment. The ventilators thus neutralize the additional warmth usually generated by the plurality of thicknesses of goods of the waist-band.

A V-opening M is located between the inner ends of the sections of the waist-band and the elastic strips, the said elastic strips preferably converging toward their bottoms. These elastic strips may be composed of webbing shown at k , inclosing rubber lengths k' , extending lengthwise of the strips and lengthwise of the direction of the strain. A suitable suspending device may be provided on the inner ends of the band-sections in longitudinal plane with the said elastic strips, so that the strain of the suspending device will be exerted directly upon both the band and elastic strips, in the general direction of length of the rubber lengths contained in said webbing. Thus I have shown buttons N N' secured to the band and the strips, these but-

tons being for the purpose of receiving suspenders shown at O O' which are usually of non-elastic material. The suspenders may if preferred be sewed to the garment at approximately the location of the buttons.

As hereinafter stated, the inner upper ends of the rear leg-sections are united by a median seam H, which seam preferably extends only a short distance below the normal positions of the buckle-straps Q Q' when closed, this median seam being a seam which is interrupted approximately at the upper ends of the seat-portions C C' of the garment.

The seat-portions are provided with recesses R R' at their inner edges, there being an elastic inset S received in these recesses. The rear leg-sections are connected with the elastic inset S by means of branch-seams 3 4 and side-seams 5 6.

The elastic inset S is preferably composed of webbing s and rubber lengths s', the elastic inset being similar to the webbing and rubber lengths of which the elastic strips K K' are composed, with the rubber lengths extending longitudinally of the directions of length of the inset and of the direction of the strain upon the same. This inset is preferably of V-shape, with the apex of the V terminating adjacent to the crotch T. The inset S extends longitudinally of the median line of the garment and is located at said median line. The side-seams 5 6 are preferably gathered seams, as indicated in the drawing, for imparting a fullness to the seat, and so constructed with relation to the elastic inset that elastic extension of the inset in the direction of its length is permitted by said fullness, but undue stretch of the inset is prevented within the bounds of its elastic limit by the goods in the lateral seams, the goods being non-elastic, the stretch permitted the elastic inset being well within its limit of yield. The arrangement is such that when this limit of the stretching of the inset has been reached, the gathered portions of the seam will have extended so as to prevent further yielding at the elastic strip, and therefore lengthening its life by preventing undue stretching thereof.

An elastic crotch-inset U extends laterally of the crotch, the middle of length of which is adjacent the lower end of the elastic median inset S. The elastic crotch-inset extends to both sides of the median line of the garment, preferably in substantial V-shape, for forming an elongated diamond-shaped inset, the outer ends of which are met by the crotch-seam W W', which branch for forming the branch-seams X X' between said crotch-inset and the rear and front leg-sections of the garment.

The crotch-inset U is also formed of webbing u with rubber lengths u' therein, similar to the elastic strips K K'. These rubber lengths, however, extend crosswise of the length of the crotch-inset, and lengthwise of

the strain upon the same. The crotch-inset is preferably distanced from the slit Y of the garment.

In my improved construction, the strain caused by stooping movement of the wearer is distributed in the garment, at the rear thereof, between the crotch and the upper band, while at the same time the garment is reinforced by the goods of the garment so that the shape of the garment is maintained and the elastic portions are inserted in such manner as not to interfere with the comfort of the wearer, especially at the forward crotch-portions between the crotch and slit, the crotch-inset being spaced from said slit.

Variations in detail may of course be employed without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. An overall comprising in combination rear leg-sections, an upper band separated from said rear leg-sections at the rear of the garment, and elastic strips connecting said respective rear leg-sections and band adjacent the middle of the said rear of said garment, said respective rear leg-sections and band having an opening therebetween at the outer side of each of said elastic strips extending completely through the garment and forming ventilating openings entirely through said garment.

2. An overall comprising in combination a pair of rear leg-sections each having a seat-portion, and an elastic inset at the median line of said overall connecting said seat-portions and extending longitudinally of said median line, the adjacent side edges of said seat-portions being provided with gathered seams connecting with the sides of said elastic inset, and constructed and arranged for permitting extension of said adjacent side edges of said seat-portions by the straightening of said gathered seams longitudinally of said median line, substantially as described.

3. An overall comprising in combination rear leg-sections, an upper band separated from the said rear leg-sections at the rear of the garment, and elastic strips at the said rear of said garment connecting said respective rear leg-sections and band, there being an opening between said band and each of said rear leg-sections at the outer side of each of said elastic strips, a median inset in the seat of said garment extending longitudinally of the median line thereof, the respective side portions of said seat being provided with gathered seams connecting with the sides of said last-named inset, the upper ends of said rear leg-portions being united between the said elastic strips and median inset.

4. An overall comprising in combination rear leg-sections, an upper band separated

from the said rear leg-sections at the rear of the garment, elastic strips at the said rear of the garment connecting said respective rear leg-sections and band, there being an opening between said band and each of said rear leg-sections at the outer side of said respective elastic strips, a median inset in the seat of said garment extending longitudinally of the median line thereof, the respective side portions of said seat being provided with gathered seams connecting the same with the sides of said last-named inset, the upper ends of said rear leg-portions being united between the said elastic strips and elastic inset, and a crotch-inset of substantial elongated diamond form adjacent the lower end of said median inset.

5. An overall comprising in combination rear leg-sections having seat portions, a V-shaped elastic inset at the median line of said overall between said seat portions extending longitudinally of said median line, the adjacent side edges of said seat-portions being

provided with gathered seams connecting with the respective sides of said elastic inset for permitting longitudinal extension of said adjacent sides of said seat-portions by the straightening of said gathered seams, the apex of the V of the said elastic inset being projected toward the crotch of said overall, a laterally extending elastic crotch-inset having sidewardly tapering ends and comprising webbing and rubber lengths, said rubber lengths extending crosswise of said crotch-inset, the apices of said crotch-inset being projected laterally, and the apex of said first-named elastic inset being adjacent said crotch-inset, substantially as described.

In testimony whereof I have signed my name hereto in the presence of two subscribing witnesses.

JOSEPH STECKER.

Witnesses:

WM. T. BARTOLETTE,
DAVID HALEY.