

(No Model.)

C. ERLANGER.

OVERALLS.

No. 337,316.

Patented Mar. 2, 1886.

Fig. 3.

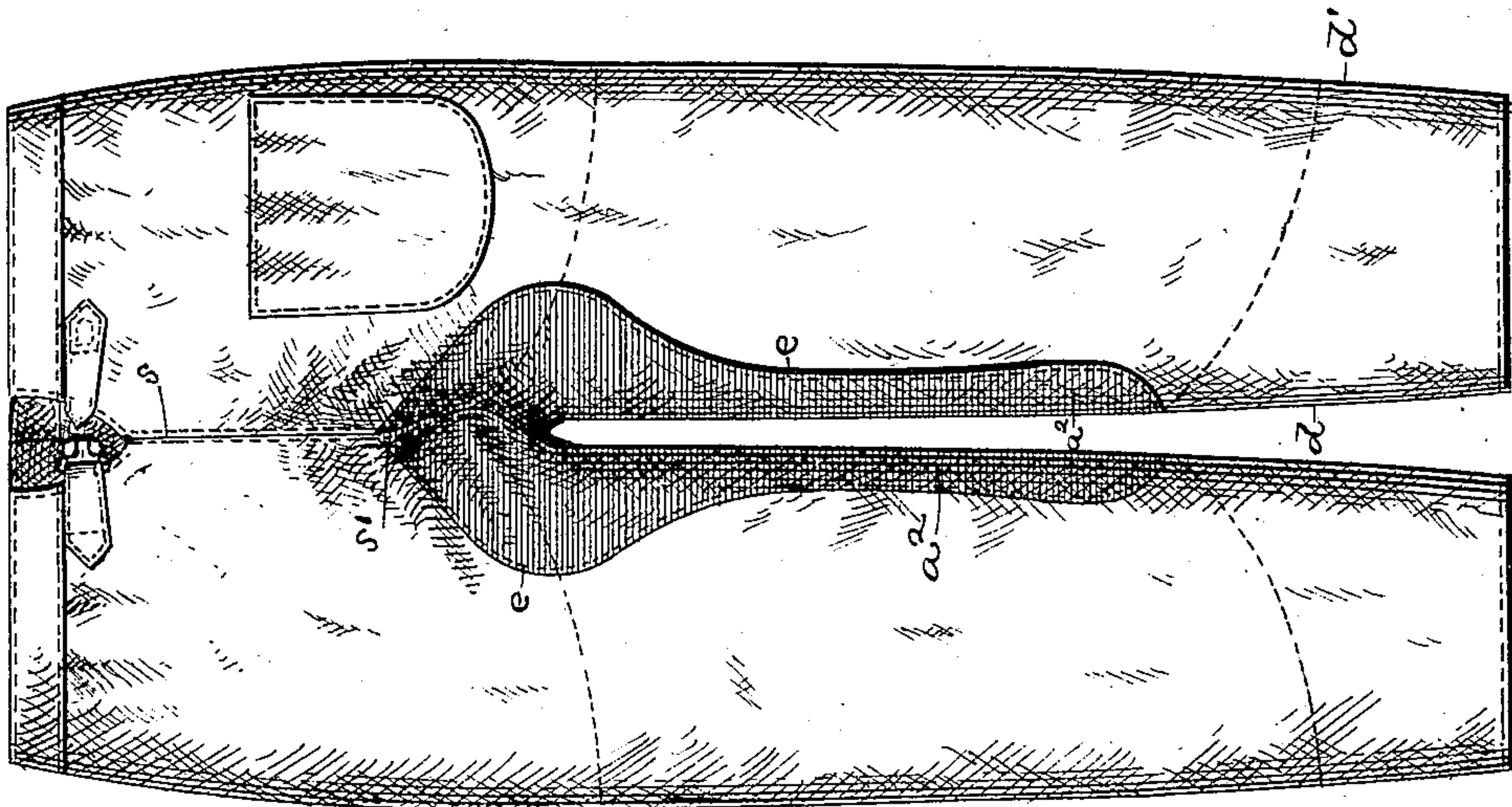


Fig. 2.

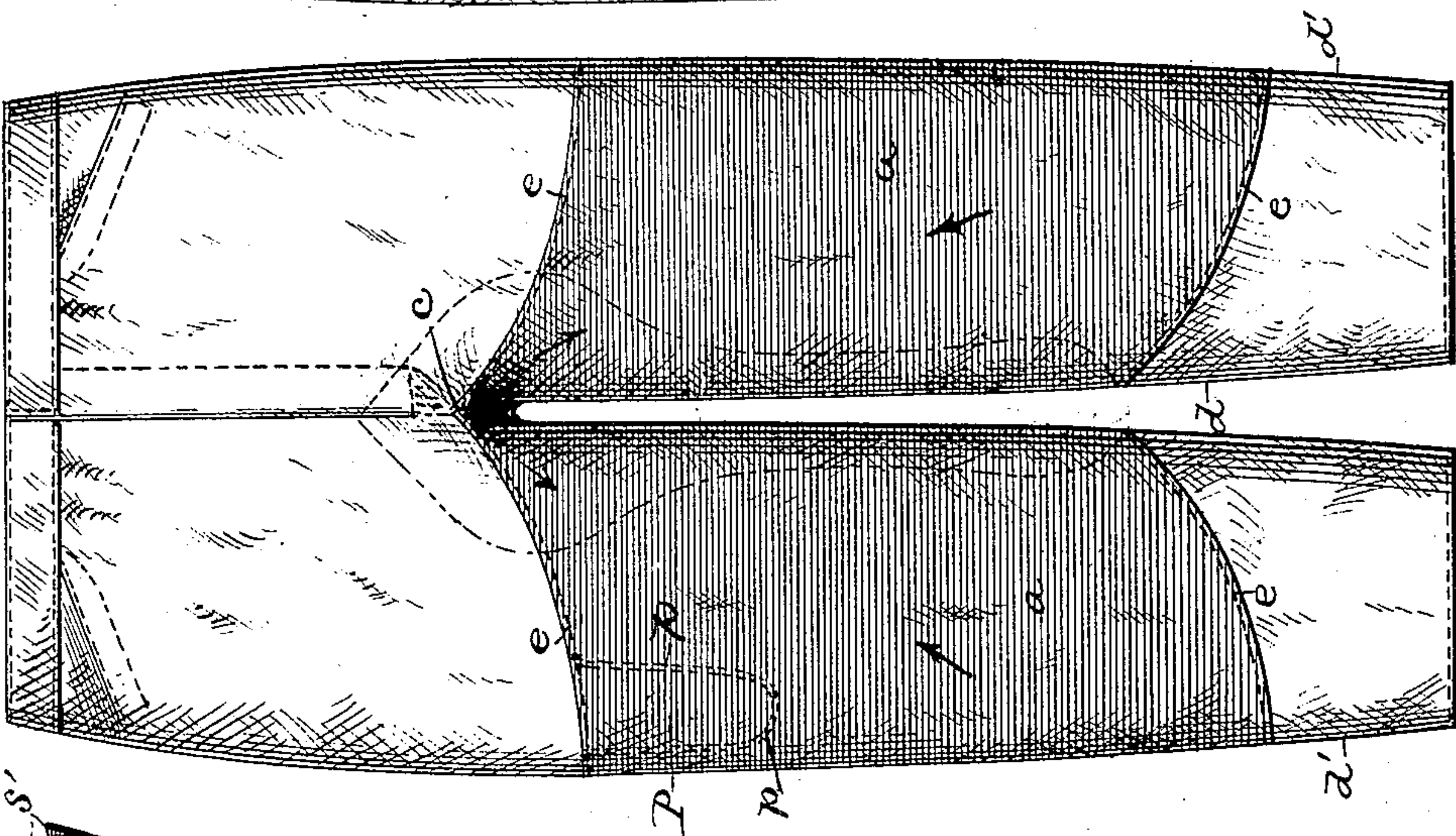
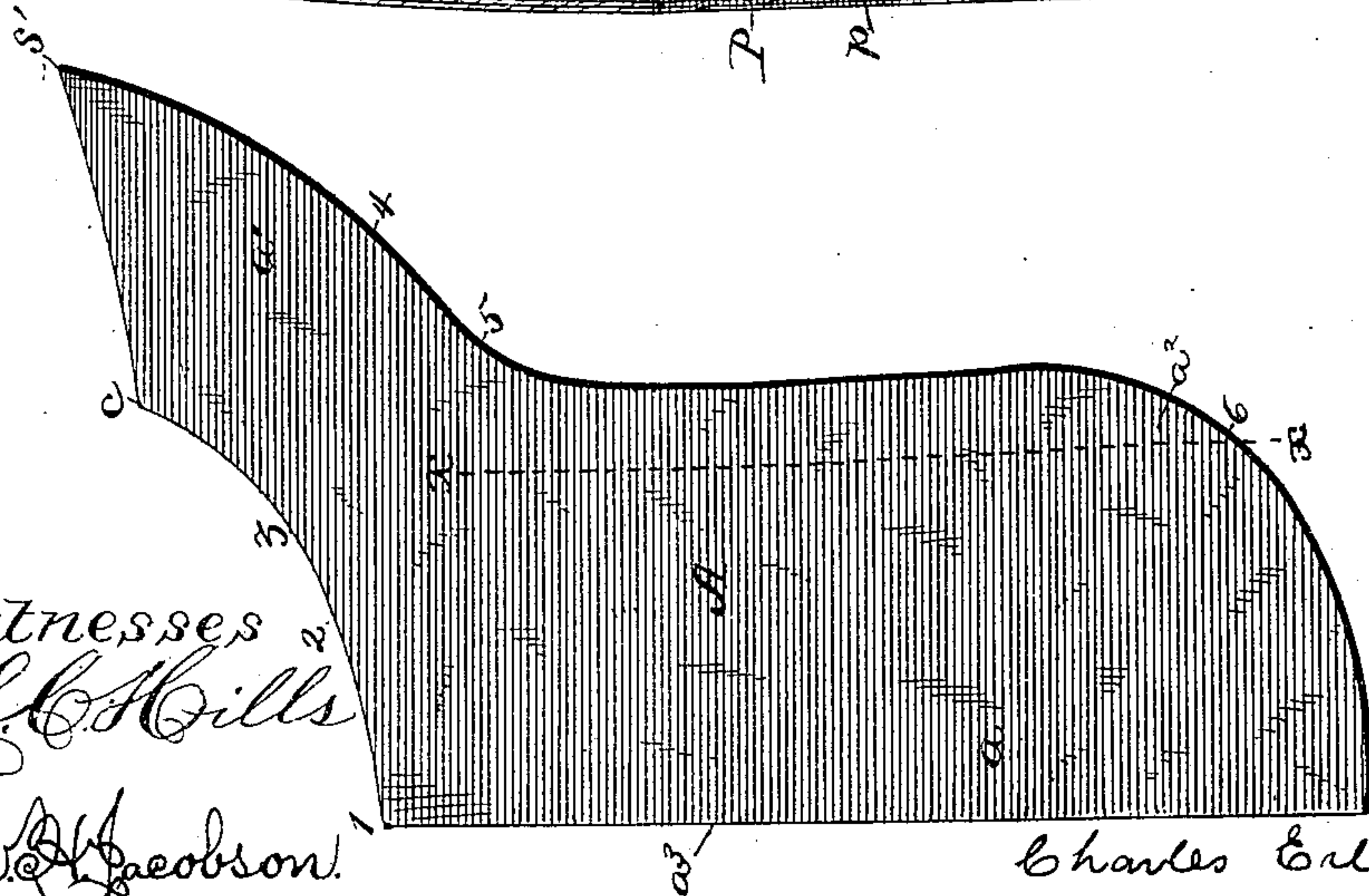


Fig. 1.



Witnesses
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CHARLES ERLANGER, OF BALTIMORE, MARYLAND.

OVERALLS.

SPECIFICATION forming part of Letters Patent No. 337,316, dated March 2, 1886.

Application filed March 7, 1885. Serial No. 158,022. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ERLANGER, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented
5 a new and useful Improvement in Overalls, of which the following is a specification.

My improvement relates to overalls and analogous articles of apparel, and has for its object the provision of means for fortifying
10 the exposed portions of such garments most liable to break or to rip under tension,

In carrying out my invention I provide a fortifying piece of fabric of peculiar construction that will cover portions of the front leg
15 over the knee and adjacent parts, and that will extend under the fork and thence upwardly and rearwardly to form a seat re-enforce, all formed continuously of one piece of fabric, said re-enforce also covering and overlapping each leg in seam from the crotch
20 downwardly a given length, all as illustrated in the drawings, and as hereinafter fully described, and specifically set forth in the claims.

Referring to the accompanying drawings,
25 in which like letters of reference point out similar parts on each figure, Figure 1 represents the blank form of my re-enforce. Fig. 2 is a front view of a pair of overalls provided with my improved re-enforce. Fig. 3 is a rear
30 view thereof.

In the drawings, A designates my re-enforce, consisting, mainly, of a front part, a , and a rear seat portion, a' , said re-enforce A being, when attached to the leg of the pants, turned or
35 folded over rearwardly along or about the dotted line $x x$, one of such re-enforces A being sewed onto each leg, both being joined together rearwardly on a line conforming to the regular seat-seam s of the pants. (See
40 Fig. 3.) From thence said seam continues under the crotch of the pants and terminates forwardly up to the point c , as shown in Fig. 2. The length of said seam is not essential. It will in all cases, however, be continuous
45 from the extreme rear upper point, s' , of the seat re-enforce a' to the front point, c .

It will be observed from the drawings that beside the seat re-enforce there appears, by folding over backwardly the re-enforce A
50 along the dotted line $x x$, a long lower depending strip, a^2 , which covers and overlaps the inseam d of each leg, and this is an important

element of my invention, as it is well known that in sitting and bending this portion of such garments wrinkles and composes folds that
55 wear out when simply sewed together, as is the usual practice without any seam re-enforcement. In other words, when on the person, such garments are under constant tension from the knee to the crotch, (see indicating-arrows,) 60 and thereby assume at and between said points a series of wrinkles and folds which by friction and tension wear away sooner than other portions of such apparel, to overcome which my invention provides for re-enforcing the in- 65 seam by overlapping it with the lower extension, a^2 , of the re-enforce A. It is also well known that under the crotch the lower point of the seat-seam s terminates, as do also the upper points of the two leg-inseams, and 70 there have been many efforts made to provide against the ripping of these seams where they conjoin under the crotch. This is a portion of the garment subjected to severe strain from every direction, whatever may be the position 75 of the wearer, whether seated, walking, or kneeling; and one of the objects of my improvement is therefore to provide resistance to such tension, from whatever direction it may come. This I effect by the continuous 80 unbroken re-enforce covering the fork or crotch and thence extending downward rearwardly over the leg, covering the inseam d , by employment of the extension a^2 . The larger portion of the re-enforce A is composed 85 of the front wing, a , which extends laterally above, below, and over the knee, its edge a^3 being sewed into the outer leg-seam, d' , which joins the rear and front of the leg of the garment. Such edge a^3 is in a straight line, the 90 other edge being preferably of the following configuration: Commencing at the point 1, it gradually slopes until it meets the point 2, where it forms an inverted curve, 3, said curve extending upwardly until it reaches the crotch- 95 point c . From said point c the fabric extends upwardly to the point s' in a line slightly curved, following the conformation of the seat-seam s . The opposite side of the re-enforce consists of a continuous sinuous edge, as fol- 100 lows: From the point s' the seat portion a' is curved outwardly to about the point 4, and from thence it is curved inwardly at 5, from which inward curve it extends downwardly

nearly in a straight line until it strikes the lower outward curve, 6, which extends to and terminates at the point 7, that being the lower point of the straight edge that is sewed into the seam d' , that joins the front and back main leg-pieces. The edges other than between said main leg-pieces are sewed over upon the garment by means of stitches e , as plainly shown in the drawings, one or more portions being left unattached to form an opening for a rule or tool pocket, P, the sides and bottom of such pocket being formed by stitches p .

My invention therefore consists of a continuous re-enforce for overalls or similar garments, which overlies the front knee portion thereof and adjacent parts above and below the knee, a return portion that covers and overlaps the inseam from the crotch downwardly a predetermined distance, said re-enforce also extending under and fortifying the fork, and from thence having an upper rearwardly-extending seat portion, a' , as fully illustrated in the drawings.

I do not claim, broadly, separately re-enforcing either the knees, crotch, or seat of overalls or the like, as I am aware devices of such character have been heretofore devised; but a continuous re-enforce of one integral piece of fabric without seams that shall strengthen the knee, the seat, and the crotch,

all in combination, resisting tension and strain from every direction, and at the same time presenting double layers of fabric upon the parts indicated to resist friction and abrasion, has never before been provided, and is a want long felt in the line of art to which my improvement is allied.

What I claim is—

1. The combination, with a pair of overalls, of the within-described re-enforce A, consisting of a front knee-covering, a , rear seat-piece, a' , and depending strip d' , all made integrally of one piece of fabric adapted to cover the knee, the rear seat portion, the crotch, and inseams of the garment, as and for the purpose intended, substantially as described.

2. The combination, with overalls or analogous garments, of a re-enforce piece, A, of the character described, sewed into place under the crotch and covering the seat rearwardly, having a portion of the edge of its front unattached to form an opening for a pocket, P, said pocket being formed by side and lower rows of stitches, p , substantially as described.

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Witnesses:

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