

(No Model.)

E. CLARK.
TROUSERS, &c.

No. 465,319.

Patented Dec. 15, 1891.

Fig. 1.

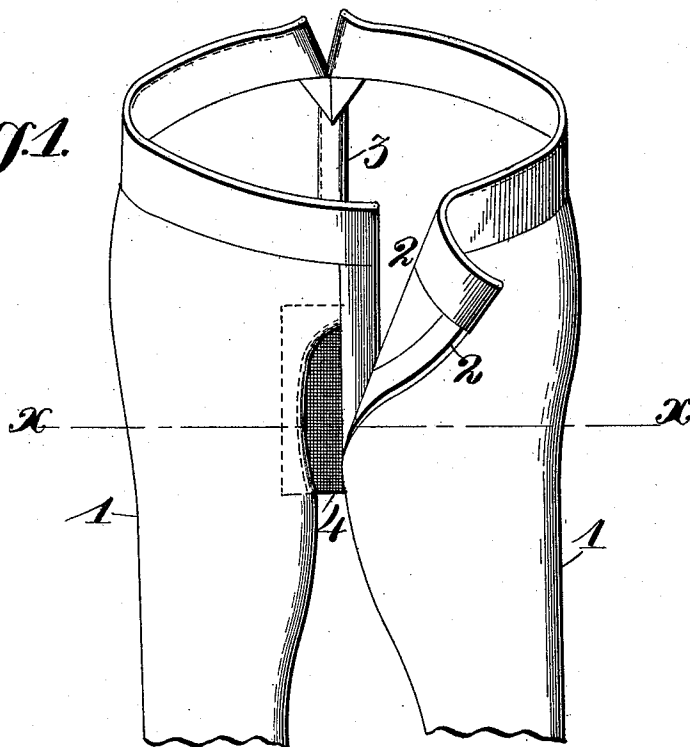
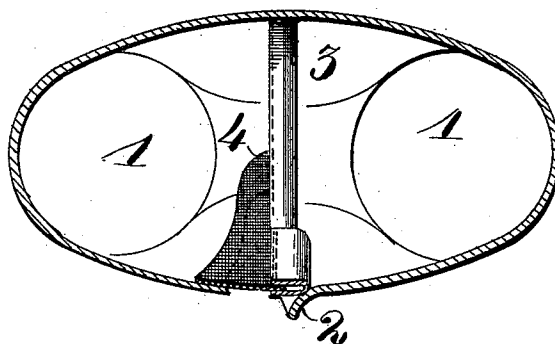


Fig. 2.



WITNESSES.

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TROUSERS, &c.

SPECIFICATION forming part of Letters Patent No. 465,319, dated December 15, 1891.

Application filed May 9, 1891. Serial No. 392,152. (No model.)

To all whom it may concern:

Be it known that I, EMERSON CLARK, of the city of Jenny Lind, county of Sebastian, and State of Arkansas, have invented certain new and useful Improvements in Trousers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in trousers, &c.; and it consists in the novel arrangement and combination of parts, as will be more fully described hereinafter, and designated in the claim.

In the drawings, Figure 1 is a front perspective view of my complete invention, and Fig. 2 is a horizontal cross-section taken on line *x x* of Fig. 1.

The object of my invention is to construct trousers for the use of laboring men, especially miners, and provide the same adjacent to the fly-piece and crotch with an elastic gore, so that the trousers will not tear or rip from the strain occasioned by the different postures assumed by the wearer in the progress of his work.

It is well known that especially in mining the trousers worn by the miner frequently become ripped in the seat or crotch and adjacent to the fly-piece, and the object of my invention is to entirely overcome this evil effect.

Having given these preliminary statements as to the object of my invention, I will now proceed to describe the same in detail.

Referring to the drawings, 1 indicates trousers-legs, which are of the ordinary construction.

2 indicates the fly-piece, and 3 the crotch-seam.

The portion of the leg adjacent to the fly-piece is cut away, as can be readily perceived in the drawings, and in lieu of said cut-away portion I stitch or secure in any suitable way an elastic gore 4. One side of said elastic gore is stitched or secured to the fly-piece, and the other side of the same is likewise secured to the leg and seat of the trousers at the edge of the opening, as shown. Said elastic gore is secured as hereinbefore stated, and extends backward about half-way of the crotch-seam

3. By this construction the trousers, or rather that portion thereof adjacent to the fly-piece and the crotch-seam, is free to give, no matter what position the wearer assumes.

Particular emphasis is laid upon the fact that the elastic material extends up parallel with the fly-piece, enabling the wearer to assume many positions with ease and comfort, which could not be assumed otherwise.

It will be observed that the upper end of the opening covered by the gore is unilaterally rounded, so as to converge in a point at 5, thus reducing the width of that part of the opening. The purpose of this formation is to limit the degree of elasticity of the elastic material covering the upper end of the opening.

The gore which I make use of in my invention is preferably made up of a combination of rubber strands and cotton threads, there being a series of parallel rubber strands extending in a direction transverse to the fly-piece of the garment, and a series of cotton threads which are of smaller size than the rubber strands interwoven with said rubber strands in a direction parallel with said fly-piece, which permits elasticity of the gore in one direction only; but this is not an essential feature of my invention, and I do not limit myself to the structure of the elastic material.

What I claim as new is—

As a new article of manufacture, trousers having an opening cut in the material adjacent to and extending up parallel with the front fly, the upper end of said opening being unilaterally rounded and converging in a point to reduce its width, and a piece of elastic material secured to the edges of and covering the opening, the upper end of the piece of elastic material where it covers the reduced portion of the opening serving to limit the degree of elasticity at that point, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

EMERSON CLARK.

Witnesses:

GEO. J. REUTER,
O. E. PETTY.