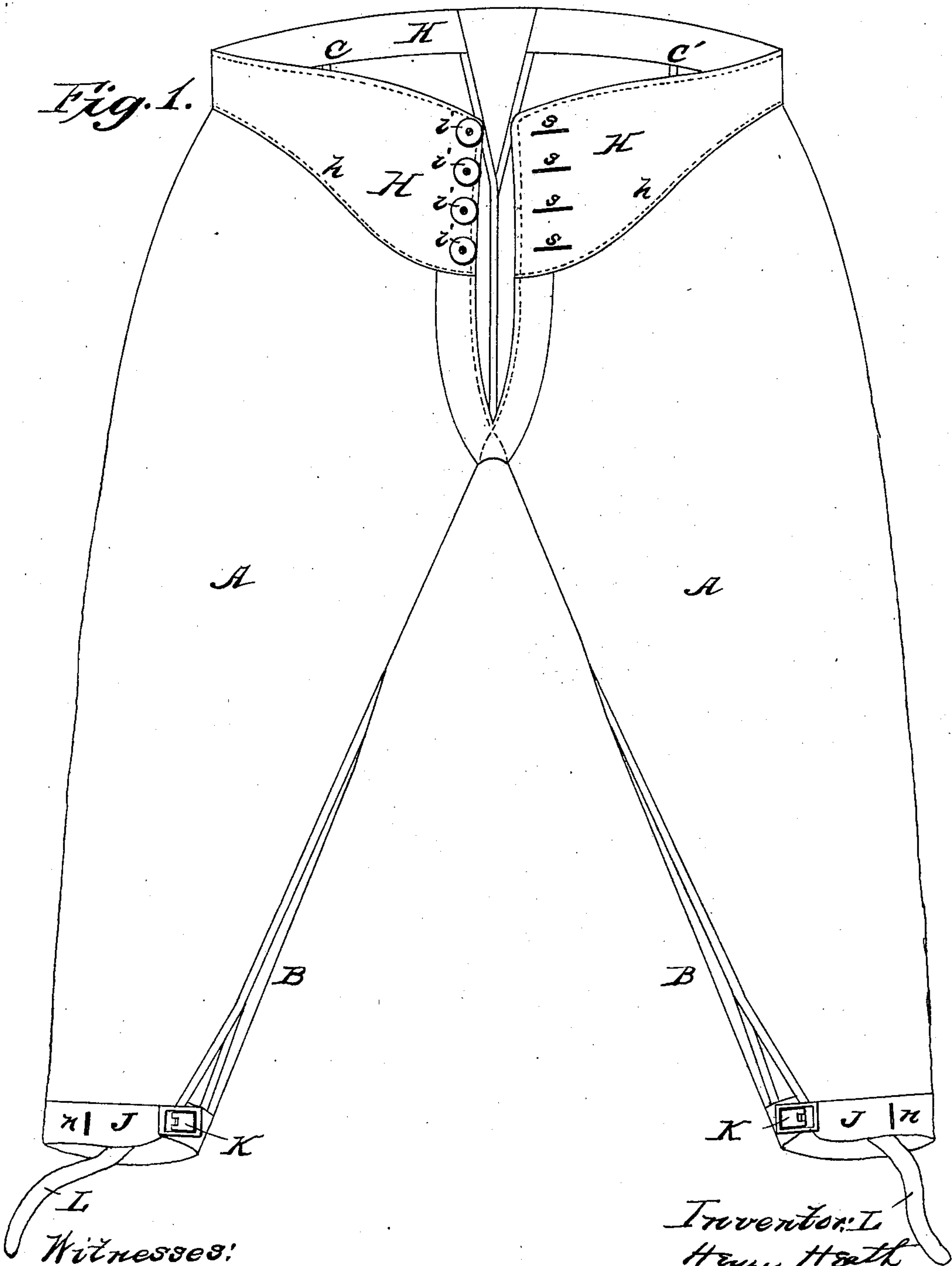


H. HEATH.
CLOTH DRAWERS.

No. 77,189.

Patented Apr. 28, 1868.

Fig. 1.



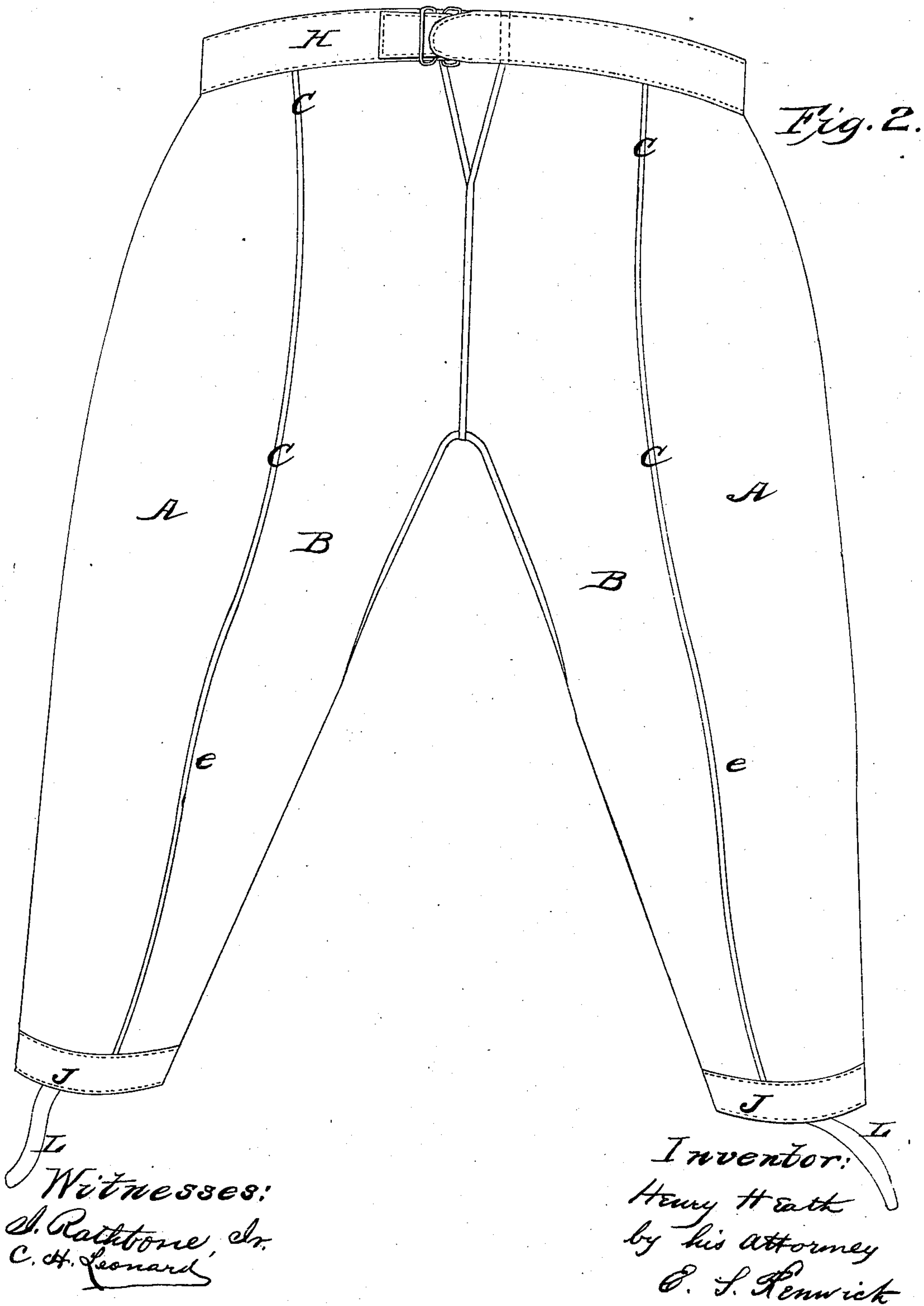
Witnesses:
J. R. H. Dr.
C. H. Leonard

Inventor: L.
Henry Heath
by his attorney
C. S. Fenwick

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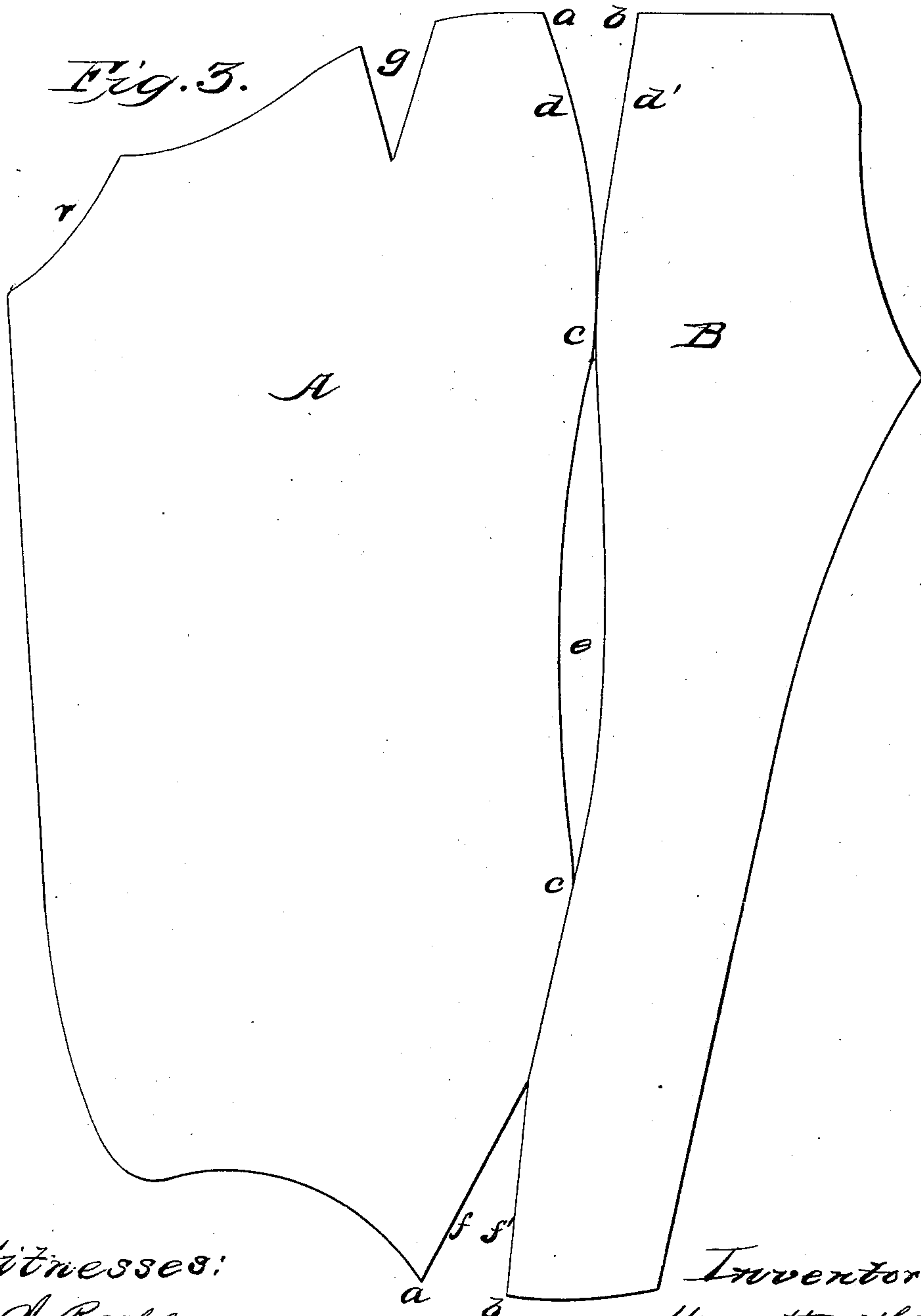
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Witnesses:

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C. H. Leonard

Inventor

Henry Heath
by his attorney
C. S. Kemrick

United States Patent Office.

HENRY HEATH, OF NEW YORK, N. Y., ASSIGNOR TO FISK, CLARK, AND FLAGG, OF SAME PLACE.

Letters Patent No. 77,189, dated April 28, 1868.

IMPROVEMENT IN CLOTH DRAWERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY HEATH, of the city, county, and State of New York, have invented certain new and useful Improvements in the Article of Under-Clothing known as Cloth Drawers, and that the following is a full, clear, and exact description and specification of my said invention.

The object of my invention is to get rid, in drawers of woven cloth, of the excess of material in the vicinity of the knees of the wearer, and to approximate the form of the leg of drawers made of woven cloth to the form of the human leg. To this end my invention consists of the combination of a waistband, depressed or pointed in front, so as to set close to the belly of the wearer, with a leg formed of woven cloth, seamed at the back of the knee, so that the excess of material at that place can be removed, to any desired extent, by sloping off one or both the edges of the cloth that are united by the said rear seam.

My invention consists, further, of the combination of a leg of woven cloth, constructed with a rear seam, as above set forth, with an ankle-band, or band at the lower end of the said leg, to sustain the strain of the tape or other means by which the drawers-legs are fastened in the vicinity of the ankles of the wearer.

My invention consists, further, of the combination of the said leg of woven cloth, constructed with a rear seam, as above set forth, with both the pointed waistband and the ankle-band, so that the same article combines the advantageous properties of these three constructions.

In order that my invention may be fully understood, I have represented in the accompanying drawings, and will describe, a pair of men's drawers, in which my said invention is embodied in the best mode which I have thus far devised.

Figure 1 is a front view of the drawers, flatted, as they appear after ironing.

Figure 2 is a rear view of the same; and

Figure 3 is a plan of the cloth cut for forming one of the legs of the said drawers.

I prefer to cut the material for forming each drawers-leg in two pieces, A B, and in the form represented at fig. 3. One of these pieces, A, is of about sufficient width to form three-quarters of the periphery of the drawers-leg, one of its edges corresponding in position with a line drawn down the back of the leg of the wearer. The second piece, B, is of about sufficient width to form the remaining quarter of the periphery of the leg. Hence, when these two pieces are sewed together by their edges, *a a*, *b b*, a seam, C, fig. 2, will be formed directly in the rear of the leg, and, consequently, a portion of the seam, at *e*, will be in the rear of the knee of the wearer.

In order to avoid the customary surplus of material found at the knees of ordinary cloth drawers, the edges, *a a*, *b b*, of the two pieces of cloth of which the leg is formed are sloped off in the vicinity of the knee, or from *c* to *e*, fig. 3. Hence, when the two pieces are seamed together, the drawers-leg approximates in form to that of the human leg, its dimensions gradually reducing from the rump to the knee, at *e*, then swelling out below the knee, to suit the calf of the leg, and, lastly, tapering again as the leg approaches the position of the ankle.

The edges of the cloth, which form the seam C, are sloped off at the top and bottom, as at *d d'*, *f f'*, and an additional triangular portion is removed, as at *g*, fig. 3, at the top of the leg, so as to reduce the dimensions of the leg in the vicinity of the waistband and the ankle.

The waistband H, with which the legs A B are combined by sewing, is cut pointed in front, so that the seam *h* corresponds approximately with the outline of the belly below the waist of the wearer, buttons *i i i* and button-holes *s s s* being used to close the opening at the front, and the front upper corner of each leg is sloped off, as at *r*, fig. 3, to fit it to the curvature of the waistband.

Each leg has at its lower end an ankle-band, J, which is sewed to the cloth of the leg, and strengthens it, so that it will sustain the strain of the ankle-fastening.

The ankle-fastening which I prefer to use is a buckle, K, and a strap, L, and I find it convenient to form a hole, *n*, in the ankle-band, to permit the passage of the end of the strap, L, from the inner to the outer side of the band, before said strap is buckled.

Cloth drawers constructed with a seam at the rear of the knee, as above described, I denominate fashioned cloth drawers, because their form is fashioned to that of the human leg.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of a pointed waistband with a cloth leg, constructed with a seam at the rear of the knee, substantially as before set forth.

Also, the combination of the drawers-leg, constructed with a seam at the rear of the knee and a band at the lower end of the leg, substantially as before set forth.

Also, the combination of the drawers-leg, constructed with a seam at the rear of the knee, with both a pointed waistband and an ankle-band, substantially as before set forth.

In testimony whereof, I have hereto set my hand, this fifteenth day of February, A. D. 1868.

HENRY HEATH.

Witnesses:

GEORGE OWEN,
FREDERIC C. JONES.