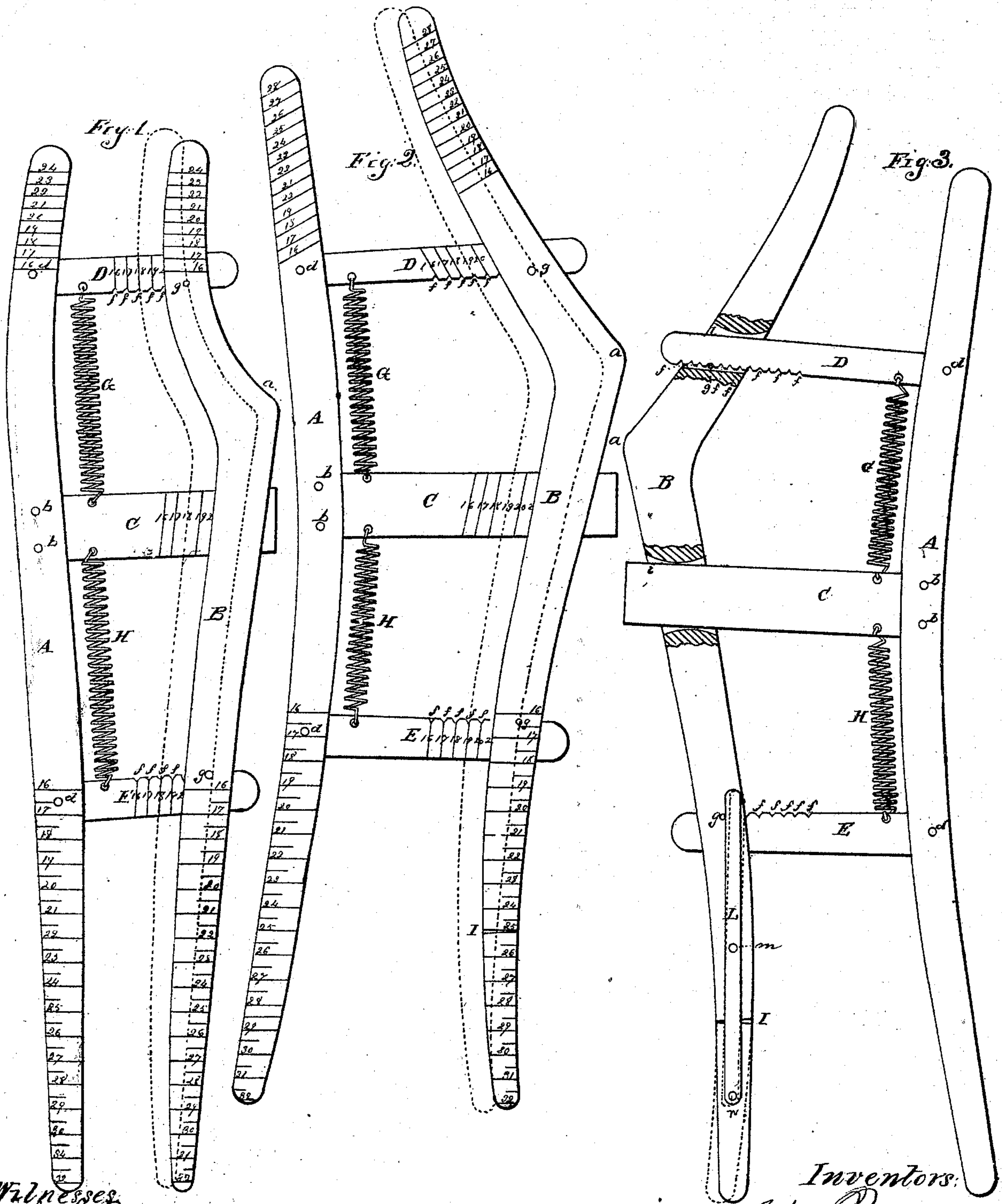


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Tailoring.

*N^o 1.141.
 32145.*

Patented Apr. 23. 1861.



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UNITED STATES PATENT OFFICE.

JOHN RAMSAY AND A. B. SMITH, OF CLINTON, PENNSYLVANIA.

GUIDE FOR CUTTING OUT PANTALOONS.

Specification of Letters Patent No. 32,145, dated April 23, 1861.

To all whom it may concern:

Be it known that we, JOHN RAMSAY and A. B. SMITH, of Clinton, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Adjustable Guide for Cutting Out Pantaloons and other Garments; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a top view of the guide for forming the front portion of pantaloons; Fig. 2, a top view of the guide for forming the back portion of the same; Fig. 3, a bottom view of the guide shown in Fig. 2.

Like letters designate corresponding parts in all the figures.

For each guide we employ a strip A, of wood or other suitable material, and of the proper shape to mark the cloth by, at the outer seam. This strip is to be as long as required for the tallest persons, and of convenient width and thickness. For marking the cloth at the inner seam, another strip B, is used, having a bend therein at *a*, corresponding with the point for the fork of the garment; and the strip for the front guide and back guide has respectively the shape usually given to the corresponding edge of the cloth. The strip B, is also of sufficient length for any height of person, and of suitable width, thickness and material.

From near the center of the strip A, an arm or plate C, projects inward, being secured firmly in said strip, by rivets *b*, *b*, or otherwise. The projecting end enters a slot in the piece B, so that the latter may freely slide sidewise thereon. The form of the slot is seen at *i*, Fig. 3. Also from near the upper end of each strip A, projects another plate D, parallel with the plate C. It is simply pivoted to said strip, so that it may move a little edgewise. This likewise extends through a slot in the strip B, as at *l*, Fig. 3; the slot being long enough to allow a little edgewise movement to the plate. A similar plate E, also projects from the strip A, not far from the lower end, parallel with the guide plate C, is similarly pivoted at *d*, to said strip, and extends through a similar slot in the strip B.

In the inner edges of the two plates D, E, are rounded or shallow notches *f*, *f*, at regular intervals corresponding with the divi-

sions of the scale with which they are provided, as hereinafter specified. A pin *g*, or its equivalent extends across the inner edge of each slot *l*, substantially as indicated in Fig. 3, for said notches *f*, *f*, to catch over. And in order to keep the plates D, E, in contact with these pins *g*, *g*, they are respectively provided with coiled springs G, H, (or their equivalents,) which are attached at their other ends to the guide plate C, as shown.

By means of the above described arrangement of the rigid central guide plate C, and the two pivoted guide plates D, E, the strip B, is very readily adjusted in toward, or out from the strip A, and retained in any position; so as to cut the strips of cloth as wide as required. No thumb screws or other such devices are required to hold the strip B, in place, or effect the adjustments required. The strip B, is simply pushed in or out, as far as desired, and the whole adjustment is accomplished in an instant.

The strips A, and B, of each guide are provided with scales marked or printed thereon, to indicate by inches and parts of inches the length from the point *a*, downward, corresponding with the measurement of the person for the length of the leg of the garment. Similar scales are marked on the strips upward from the point *a*, to correspond with the measurement for determining the height of the garment on the body. Also equal scales are marked on the guide plates C, D, E, to indicate the width of the cloth from the proper measurement around the body. All these scales are so arranged that a single measurement around the hip in inches will indicate the number at which the outer edge of the strip B, is to be placed; and where the upper end of the garment is to be marked off. Thus by taking two simple measurements of the person, and taking the corresponding numbers on the respective scales, the guides are arranged at once for marking out the form of the parts of the pantaloons therefrom.

In order to adapt the instrument to variations of fashion, (which are principally in the shape and size of the lower ends of the legs,) the strip B, is jointed at I, Figs. 2, and 3; and is provided with a guide bar L, pivoted at *m*, and *n*, on the two sides of the joint to the strip, so that by moving the upper end of the said bar to different portions the form of the strip is varied, as indi-

cated by red lines in Fig. 3. Two or more joints may be employed, if desired. Or if the proportion in the width of the garment at the different heights, should vary according to fashion, from the scale laid down, new scales may be substituted; or they may be on separate plates, and adjustable on the guide plates C, D, E; or a little departure from the number indicated by the hip measurement, may be resorted to, to secure the desired variation.

The instrument is equally adapted to cutting out pantaloons for the smallest as well as the largest persons.

The substantial features of this invention are applicable to guides for cutting out coats, vests, ladies' dresses and other garments.

The superior advantages of this invention over others for like purposes arise first from its extreme simplicity of application, so that any person of the most ordinary intelligence can use it; second, in the great

ease, accuracy, and celerity in its use; third, in its perfect adaptation to all variations required by fashion or otherwise; and finally in the extreme cheapness and simplicity of construction, thus placing it within the reach of every family or person, for cutting out the garments at home.

What we claim as our invention and desire to secure by Letters Patent, is—

The arrangement of the central, rigid guide plate C, the movable, ratch plates D, E, prings G, H, and pins *g, g*, applied to and in combination with the strips A, and B; in combination therewith the joint I of the movable strip B, with the pivoted adjusting bar L, substantially as and for the purpose set forth.

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