

No. 815,598.

PATENTED MAR. 20, 1906.

M. J. LEIBERMAN.  
TROUSERS.

APPLICATION FILED OCT. 19, 1903

Fig. 1

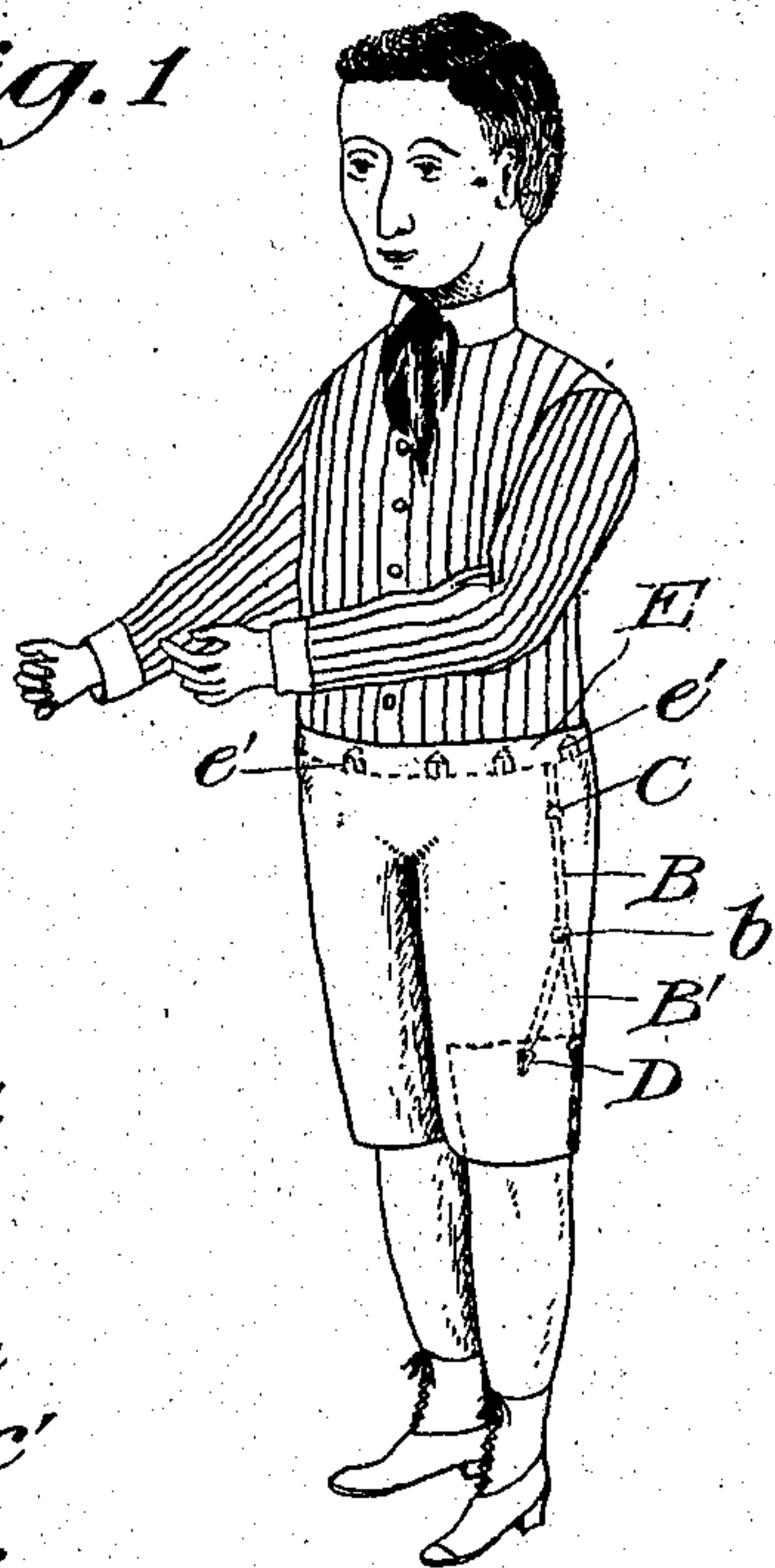


Fig. 4

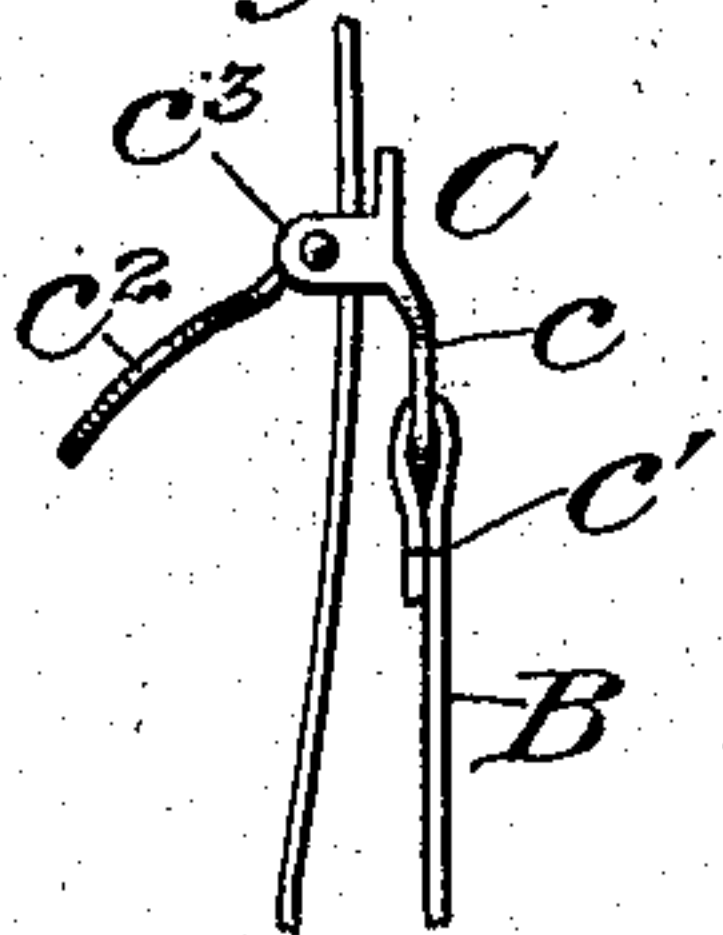
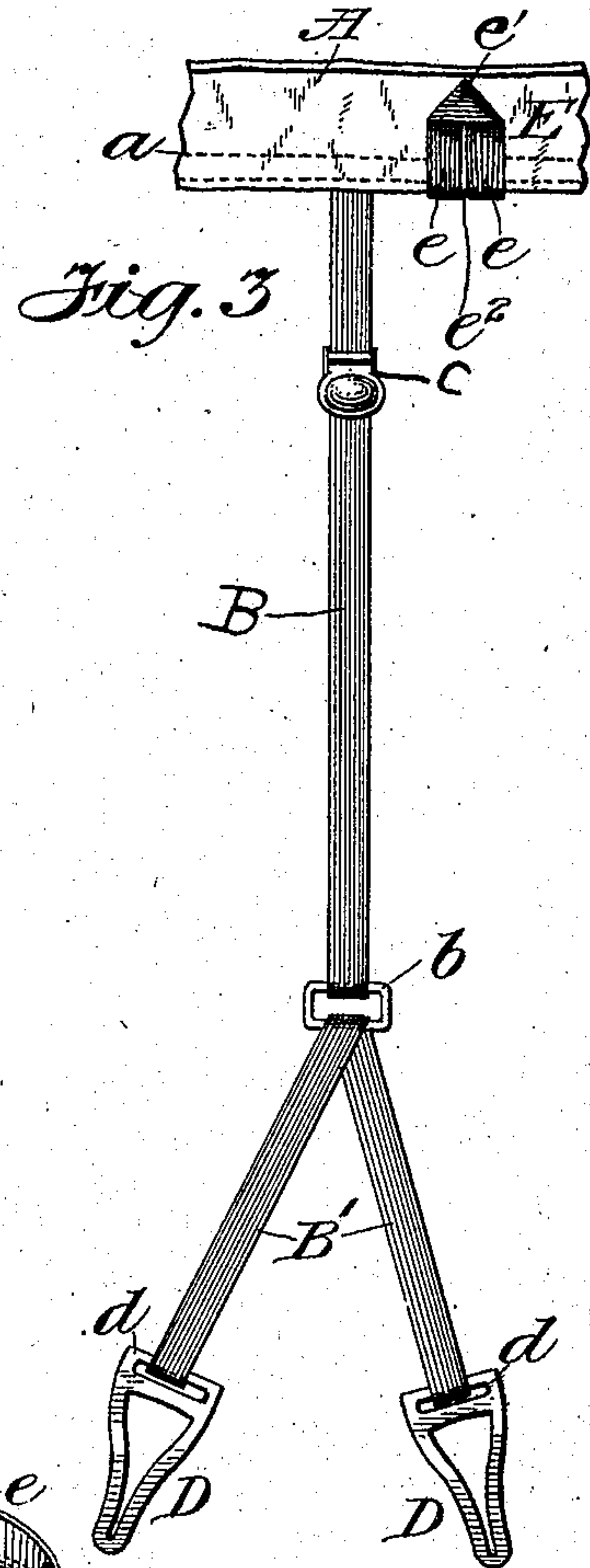
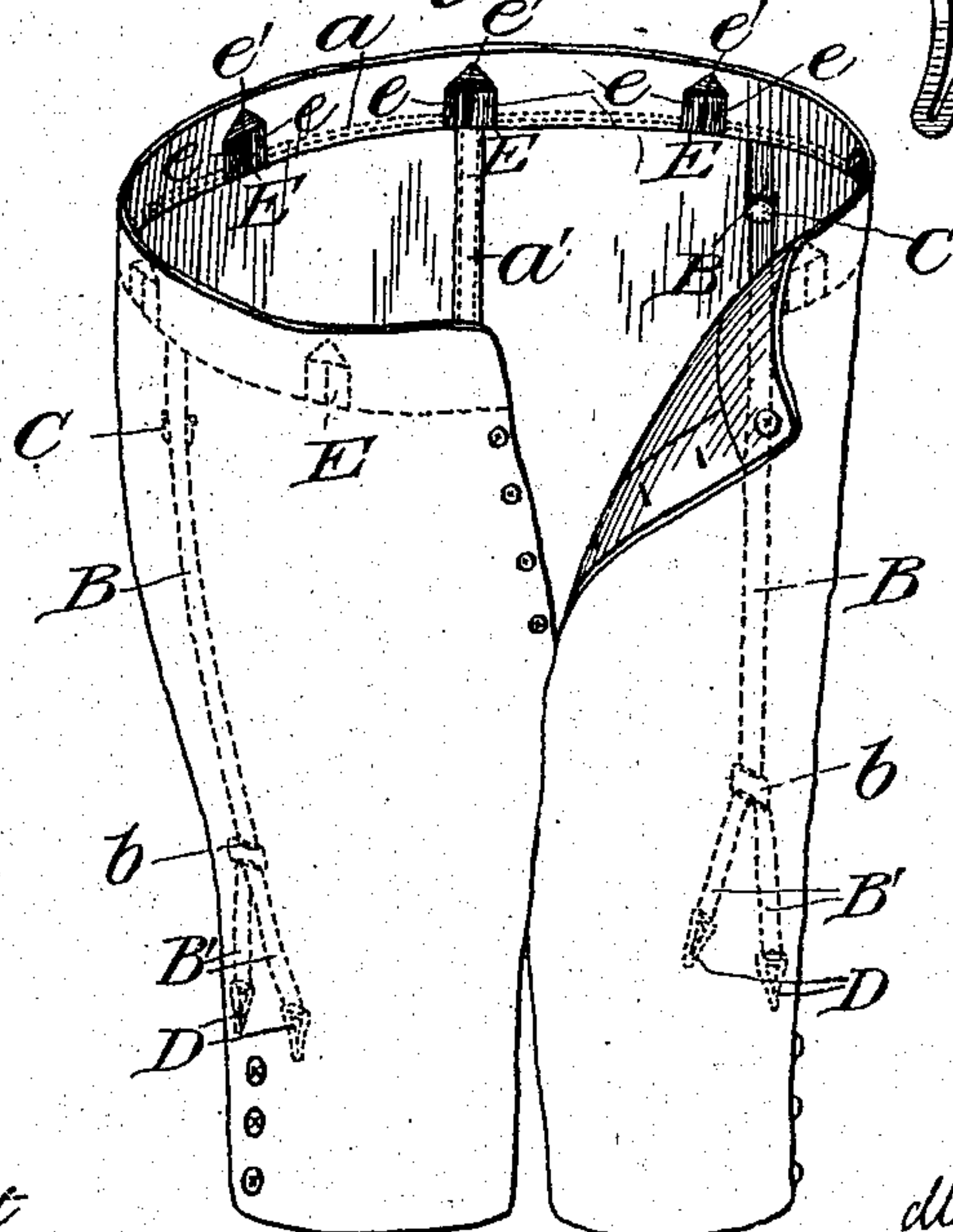


Fig. 2



Witnesses  
Chas. Clagett  
Chas. Wolf

Inventor  
M. J. Leiberman  
By his Attorney  
Charles A. Stephens



# UNITED STATES PATENT OFFICE.

MEYER J. LEIBERMAN, OF NEW YORK, N. Y.

## TROUSERS.

No. 815,598.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed October 19, 1903. Serial No. 177,537.

*To all whom it may concern:*

Be it known that I, MEYER J. LEIBERMAN, a citizen of the United States, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Trousers, of which the following is a specification.

This invention relates to trousers, and more particularly to knee-pants for boys, and has for its more prominent objects the equipment of such an article of apparel with permanently-secured, simple, and efficient stocking-supporting means, as well as provision for relieving the buttons of the waist from excessive strains.

With the above and other purposes in view the invention comprises trousers having permanently secured at the inner side thereof, and preferably contiguous to the waistband, as well as the side seams thereof, depending webs provided at their lower portions with stocking-engaging devices, a sliding clasp being employed in connection with each web for permitting the height at which the same suspends its engaging devices to be adjusted. For the purpose of relieving the waist portion of the trousers, as well as the waist-buttons, from whatever strain might be incurred in consequence of attaching the webs as stated I locate on the inner side of said band a series of yielding or elastic tabs or loops adapted to engage the buttons of the waist.

There are other important features connected with the invention, which, besides those alluded to, are clearly set forth in the subsequent detailed description.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view illustrating by dotted lines certain features connected with my invention as being embodied in the knee-pants of a boy. Fig. 2 is another perspective view showing, on an enlarged scale, a pair of knee-pants equipped with my improvements. Fig. 3 is an enlarged detailed view showing a supporter and one of the buttoning-tabs and a portion of the waistband. Fig. 4 is a vertical edge view showing more particularly the sliding clasp on an enlarged scale.

Similar reference characters are employed to designate corresponding parts in the several figures of the drawings wherein they occur.

In the various forms of stocking-supporters provided for boys and with which I am familiar the conditions are such that in some

instances a portion of the webbing encircles the limb and tends to interfere with the free circulation of the blood. A further objection to this type of supporter is that after a period of service it is liable to become permanently distended, and thus prevent its proper retention on the limb. Moreover, the intimate contact of the webbing with the limb subjects the former to the perspiration and results in its becoming weakened by rotting. Other forms of supporters have avoided many of the objections noted by employing girth or shoulder members from which the supporting-webbing depend. These latter type of supporters are, however, expensive and cumbersome. By my improvements I obviate all the difficulties noted and at the same time provide for efficiently supporting the stockings in a simple, positive, and convenient, as well as highly comfortable, manner.

To the inner side of a pair of knee-pants, and preferably at the waistband A thereof, are secured the upper ends of upper depending webs or strips B of elastic webbing, each of said webs being disposed to hang at a point contiguous with the side seam of the garment. These webs constitute the upper suspending medium of the supporters. It will be convenient for each supporter to include provision whereby the web thereof can be shortened or lengthened in order to sustain the stocking-engaging devices at different heights. The provision illustrated for this purpose consists of a clasp C, comprising a slotted depending portion  $c$ , with which the end of one of the folds of the web is permanently attached by stitching, as indicated at  $c'$ , the web then continuing downward and at its lower turn passing through a wire loop  $b$  and then ascending between said plate and a pivoted lever  $c^2$ , carried thereby and which is mounted in ears  $c^3$ , integrally projecting from the plate, one of the faces of said lever being serrated to insure its positively engaging with the adjacent portion of the web. The upper extremity of the ascending part of the web is attached to the garment contiguous to its waistband A, as previously referred to. By this means it will be comprehended that by disengaging the lever  $c^2$  and swinging it from the ascending part of the web the clasp C may be shifted up or down upon such ascending part to shorten or lengthen the web and such adjustment maintained by restoring the lever  $c^2$  in engagement therewith.



Hung from each loop *b* is a lower strip *B'*, comprising a folded length of web arranged and stitched so as to present lower diverging sections *B'*, the lower ends of which are connected with a slotted portion *d* of plates *D*, containing pear-shape slots. This form of plate as a stocking-engaging device is a familiar one, and it therefore need only be said that by pinching a portion of the stocking fabric and inserting it forwardly through such slot the contracted lower portion of the latter will pinch and positively maintain an engagement with such fabric, particularly when upward tension is exerted thereon.

Secured on the inner side of the waistband *A*, and preferably equidistantly arranged, are a series of elastic tabs *E*, which are preferably each formed of a short length of elastic webbing, having portions *e*, arranged parallel, and an intermediate portion *e'*, folded over, as indicated most clearly in Figs. 2 and 3. The parallel portions include the ends of the length of webbing. Each of the tabs thus formed is placed against the waistband, so that such ends are tucked under the lower edge thereof previous to the stitching of this portion of the band. Now by stitching such lower edge portion as indicated by *a* it will be readily comprehended that loops or eyes *e*<sup>2</sup> are formed, adapted for engagement with the appropriately-located buttons on the waist. The folds *e'* are stitched to the parallel portions *e*, thus leaving the upper parts of the tabs free for manipulation in the operation of buttoning to the waist. I prefer that one of these tabs shall be secured to the waistband at the point of the intersection of the latter by the rear inner seam fold *a'*, which thus serves to reinforce the connection of the rear tab and qualifies it for resisting the extra strain usually incurred at this portion of the garment.

From the description thus far it will be readily understood that after having preliminarily adjusted the garment-supporters at both sides with due regard for the length required for the same in properly supporting the stockings when the garment is in position the pants are then partly drawn on and the wearer is enabled to properly engage the upper portions of the stocking with the slotted plates. The pants are completely drawn on and the tabs then buttoned to the waist, after which the usual buttoning operations are effected. It will therefore be seen that the

garment-supporters in my invention constitute a permanent feature of the knee-pants and that all stress or strain imposed upon the same during wear is borne by the pants in the vicinity of the waistband, severe tugs or pulls on the latter being relieved to a considerable extent by the presence of the yielding tube *E*. It will further be appreciated that the normal positions of the webbing of the supporters during wear will be such as to preclude such webbing being maintained for any length of time in any particular position in contact with the person of the wearer, and hence the liability of the webbing creating discomfort or becoming injured through perspiration will be avoided.

The improved garment is not only simple and comparatively inexpensive as compared with other articles of the same character, but will be extremely useful and readily adjusted.

While I have illustrated and described the permanent arrangement of hose-supporters and waist-engaging tabs as being embodied in connection with boys' knee-pants, it will be obvious that such features may be similarly employed in connection with the trousers of older persons.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a pair of knee-pants having an interior waistband *A*, stitched to the top edge thereof, of stocking-suspending mediums comprising upper depending strips *B*, each formed of elastic webbing folded upon itself to form a loop, the end of the rear member of each loop being secured between the material of the pants and the waistband by the stitches securing said band, clasps *C* adjustable on each of said rear members and to which the ends of front members are connected, rings *b* suspended by said loops, lower elastic webs or strips suspended from each ring, each lower web having its ends diverging and stocking-engaging devices *D* secured to the ends of the last-mentioned elastic webs, substantially as described.

Signed at city of New York, in the county of New York and State of New York, this 9th day of October, A. D. 1903.

MEYER J. LEIBERMAN.

Witnesses:

EDGAR A. FELLOWS,  
CHAS. L. WOLF.