

No. 615,474.

Patented Dec. 6, 1898.

R. H. BRAUCH.  
SUSPENDERS.

(Application filed Mar. 25, 1898.)

(No Model.)

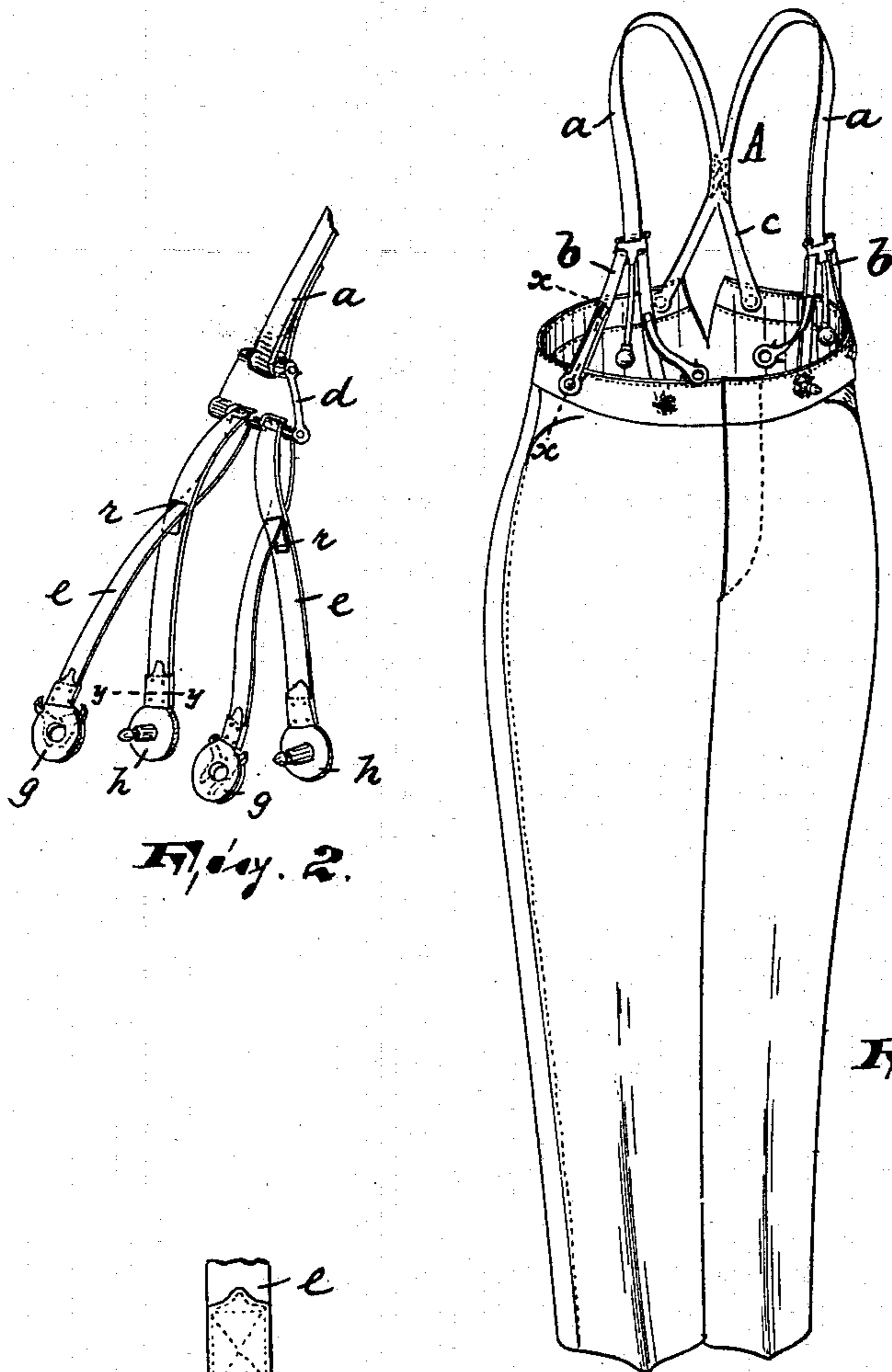


Fig. 1.

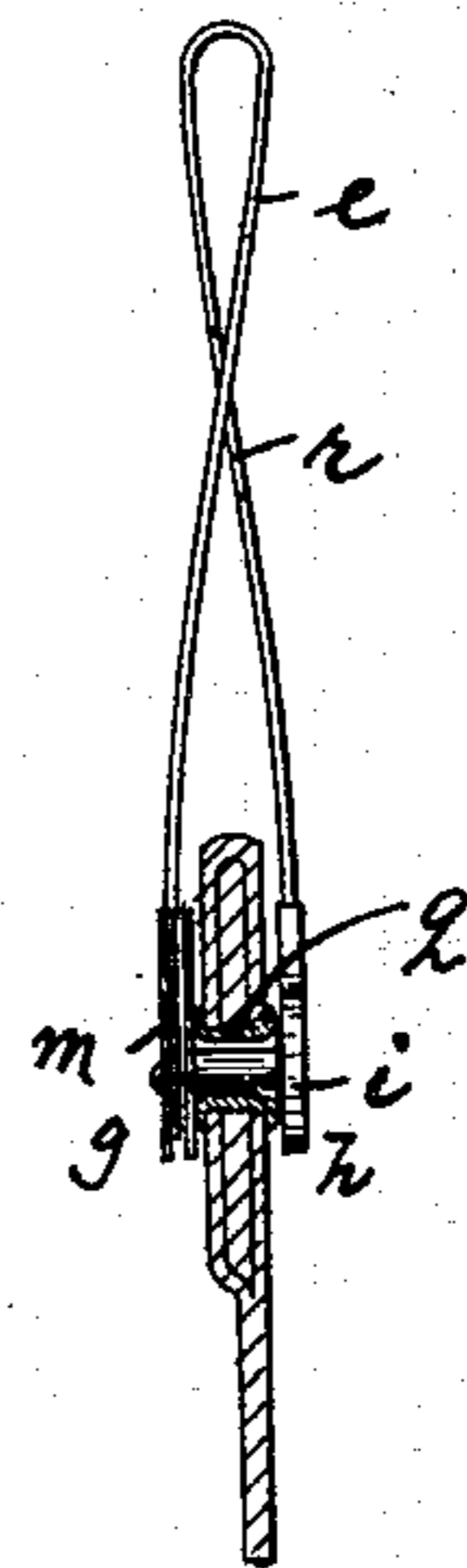


Fig. 5.

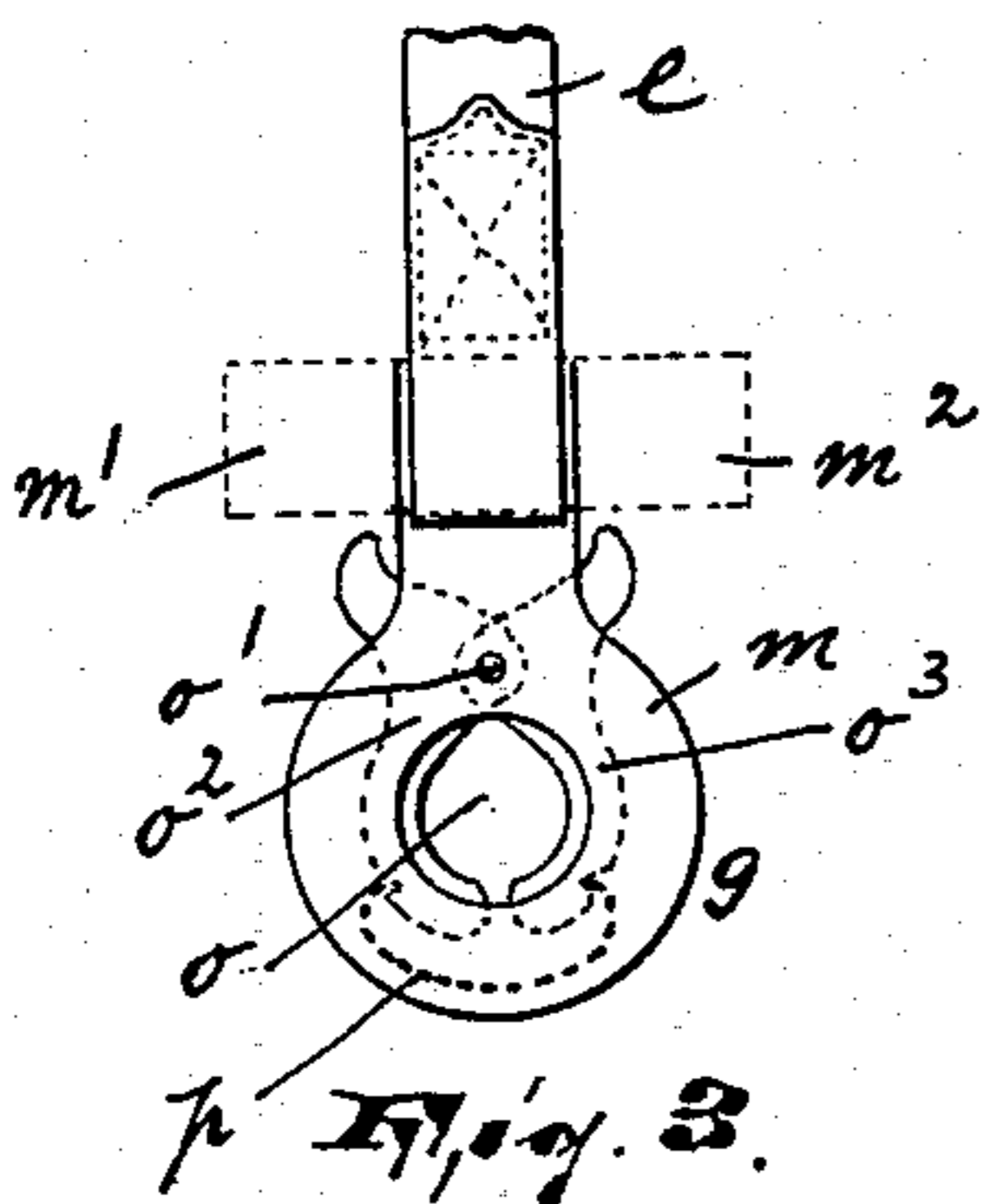


Fig. 3.

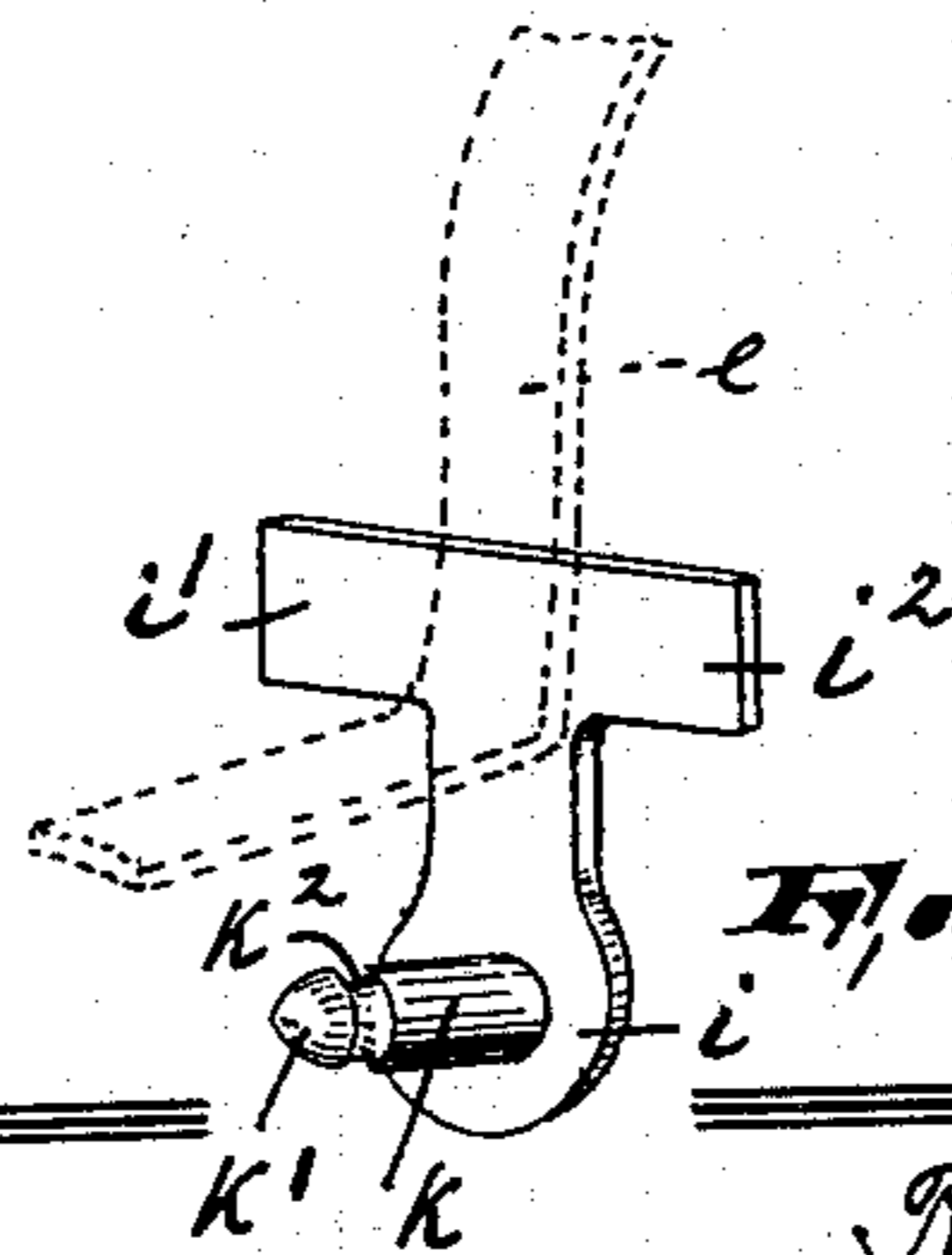


Fig. 6.

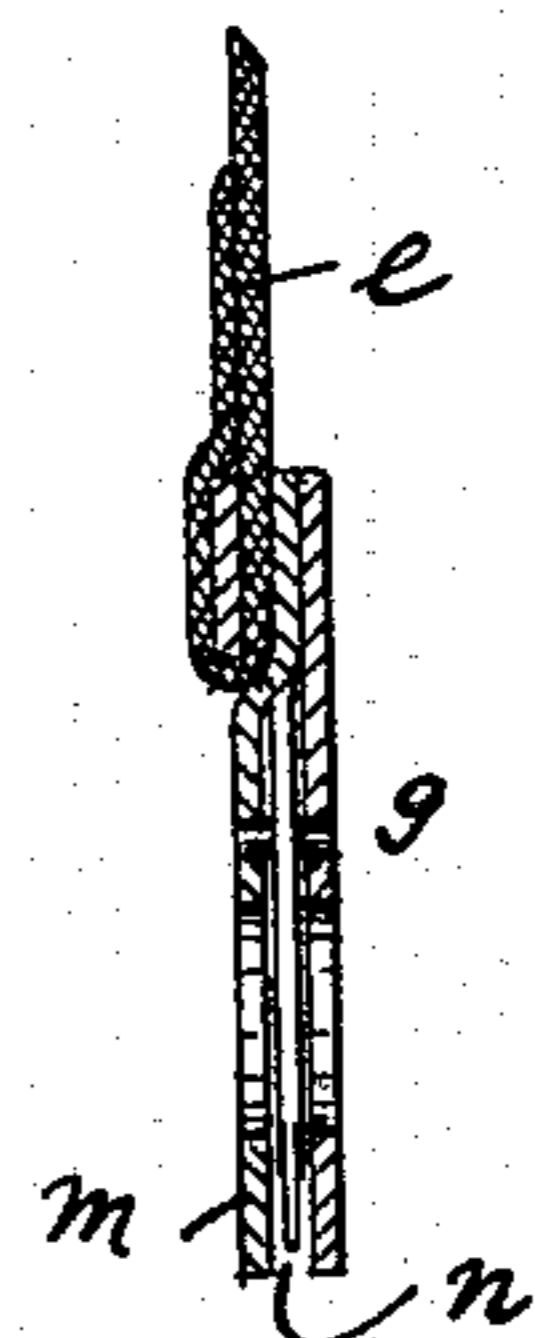


Fig. 4.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

ROBERT H. BRAUCH, OF PATERSON, NEW JERSEY.

## SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 615,474, dated December 6, 1898.

Application filed March 25, 1898. Serial No. 675,097. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. BRAUCH, a citizen of the United States, residing in Paterson, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in Suspenders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide simple and durable suspenders which can be quickly and readily attached to and detached from the waistband of a pair of trousers and which suspenders do not require any buttons and exert a uniform strain upon the waistband.

The invention consists in the improved suspenders, in the means for removably securing said suspenders to the waistband of a pair of trousers, and in the combination and arrangement of the various parts, substantially as will be hereinafter more fully described, and finally embodied in the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several views, Figure 1 is a perspective view of my improved suspenders, showing their connection with the waistband of a pair of trousers; Fig. 2, an enlarged detail perspective view of one of the detachable front sections of said suspenders; Fig. 3, an enlarged detail front elevation of one of the members of the fastening-clasp; Fig. 4, a central sectional view of Fig. 3; Fig. 5, an enlarged detail sectional view on the line  $x x$  of Fig. 1; Fig. 6, a perspective view of the other member of the clasp, showing its shape before being secured to the suspenders; and Fig. 7, an enlarged sectional view on the line  $y y$  of Fig. 2.

In said drawings, A represents my improved suspenders, comprising the shoulder-straps  $a a$ , the removable front sections  $b b$ , and the rear or back section  $c$ .

Each front section  $b$ , which is removably secured to its respective shoulder-strap  $a$  by means of a buckle  $d$  of any suitable shape

and construction, consists of two straps  $e e$ , looped or bent around the bridge of the buckle and carrying at their free ends the members  $g$  and  $h$ , constituting a clasp by means of which the respective straps are removably secured to the waistband in a manner hereinafter described. The male member  $h$  of said clasp consists of a plate of sheet metal provided with an integral disk  $i$  at one end and with integral flaps or extensions  $i' i^2$  at its other end, by means of which latter the said plate is secured to and clamped upon the end of its respective strap  $e$ .

To the central portion of the disk  $i$  is secured, in any desired manner, a pin  $k$ , having its free end rounded off, as at  $k'$ , and provided with an annular groove  $k^2$ , as clearly illustrated in Fig. 6 of the drawings.

The female member  $g$  of the clasp consists of a pair of spaced plates having at one end circular disks  $m^0$ , provided with a central hole  $o$ , and having projections  $z z'$ , by which they are riveted together, while the other end of the upper plate is provided with flaps  $m'$   $m^2$ , by means of which latter the said member is secured to or clamped above the free end of its respective strap.

Between the disks of the female member  $g$  are pivotally secured, as at  $o'$ , two arms or levers  $o^2 o^3$ , having their inner edges curved and adapted to engage the annular groove  $k^2$  in the pin  $k$  of the male member when the latter has been inserted into the female member, as will be manifest. The lower ends of said arms or levers  $o^2 o^3$  are connected by a flat spring  $p$  to normally hold said arms or levers in operative position, while their upper ends project beyond the edges of the disk  $g$ , so that said levers can be conveniently operated, as hereinafter described.

It must be further stated that eyelets  $q$ , Fig. 5, are inserted into the waistband at the places where the suspenders are to be attached to the said waistband to prevent the latter from being torn.

It must be further stated that the back section  $c$  is constructed substantially in the same manner as the front section  $b$ , with the exception that the straps constituting said back section are stitched to the shoulder-straps  $a a$  in the usual manner.

To avoid the detaching of the straps *e e* from the bridge of its respective buckle *d*, one end of each strap penetrates a hole *r* in the other end thereof, as clearly illustrated  
5 in Figs. 1 and 5 of the drawings.

When the suspenders are to be attached to a pair of trousers, each male part of the clasp is first inserted into and through its respective eyelet in the waistband and is then en-  
10 gaged by or secured to the female part in a manner hereinafter described. By simply pressing together the projecting upper ends of the fulcrumed levers *o*<sup>2</sup> *o*<sup>3</sup> the latter are disengaged from the groove in the pin *k* of  
15 the male member, which latter can then be easily withdrawn from the eyelet, as will be manifest.

From the foregoing it can be seen that my improved suspenders are of simple construction and can be readily attached to and de-  
20 tached from the waistband of a pair of trousers and that the use of buttons on the waistband is entirely dispensed with. Furthermore, the strain exerted upon the waistband  
25 is uniform—that is to say, the waistband is engaged by the male member from the inside and by the female member from the outside, or vice versa.

I do not intend to limit myself to the pre-  
30 cise construction as shown and described, as

various alterations can be made without changing the scope of my invention; but

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

A garment-fastener comprising male and 35 female members, the former consisting of a plate having an integral disk at one end, integral securing-flaps connected to said plate at the other end and an annularly-grooved pin projecting from said disk, and the latter 40 member consisting of a pair of spaced plates each having an integral disk at one end, the latter being provided with an opening there-through for the reception of said pin, integral securing-flaps connected to the other ends of 45 the pair of spaced plates, a pair of coacting pivoted arms or levers separating said disks and adapted to engage said grooved pin at one of their ends and having their other ends projecting from between said disks, and a 50 curved spring connecting the first-named ends of said levers, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 19th day of March, 1898.

ROBERT H. BRAUCH.

Witnesses:

ALFRED GARDNER,  
LOUISE SNYDER.