

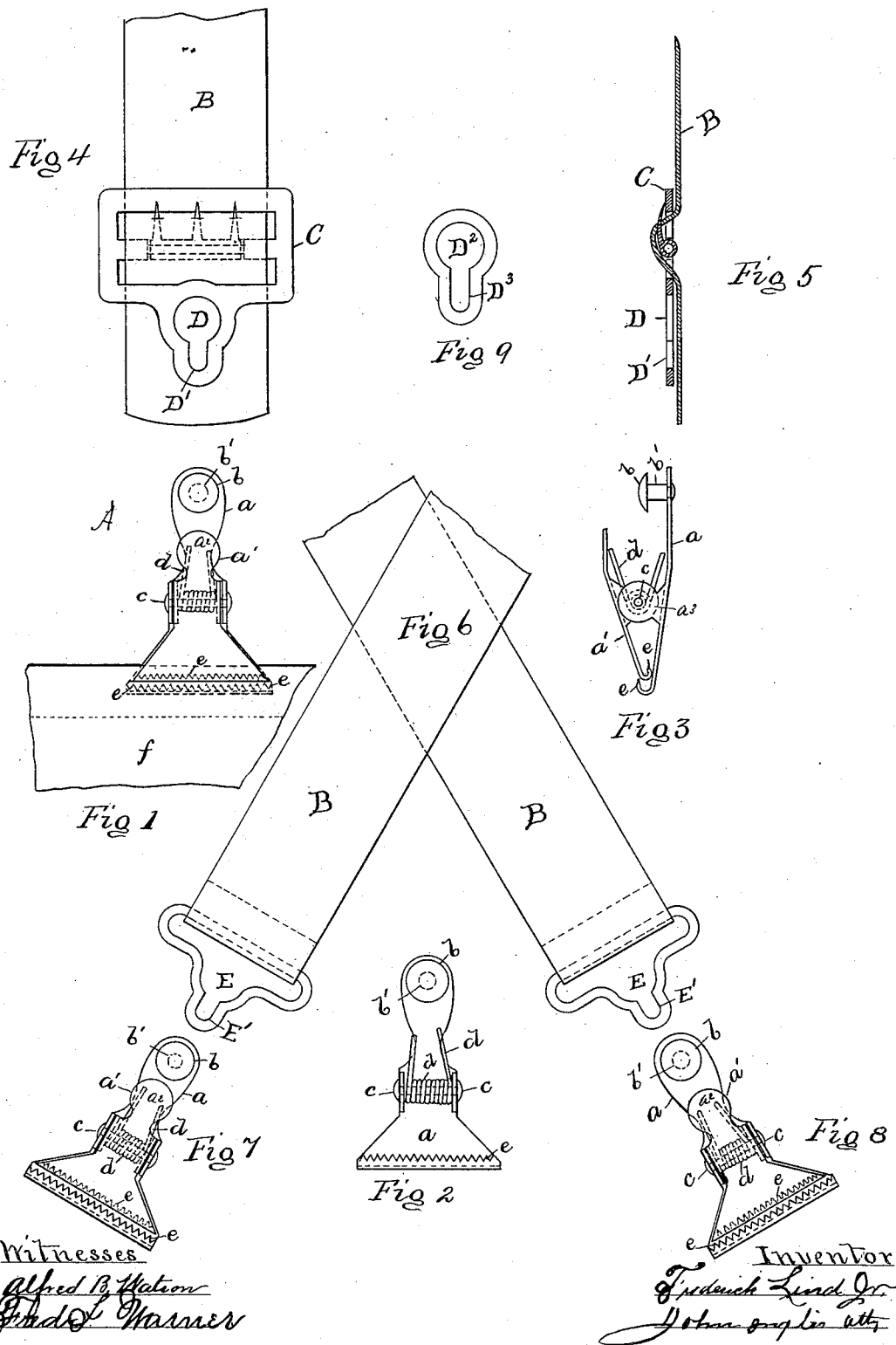
(No Model.)

F. LIND, Jr.

SUSPENDER ATTACHMENT.

No. 343,715.

Patented June 15, 1886.



UNITED STATES PATENT OFFICE.

FREDERICK LIND, JR., OF PATERSON, NEW JERSEY.

SUSPENDER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 343,715, dated June 15, 1886.

Application filed April 1, 1886. Serial No. 197,381. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK LIND, JR., a citizen of the United States, residing at Paterson, Passaic county, State of New Jersey, have invented a new and useful Improvement in Devices for Connecting Pants with Suspenders, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

The object of my invention is to practically connect pants with suspenders without the aid of suspender-buttons on the pants or straps on the suspenders.

The invention consists in a specific construction and a modification thereof, hereinafter fully set forth; but that the invention may be the better understood, I will, with the aid of the accompanying drawings, proceed more fully to describe the same in detail.

Figure 1 shows my invention in elevation and secured to the pants. Fig. 2 shows my invention in elevation, in which figure the top plate is removed. Fig. 3 is a side view of the device, showing its general arrangement of parts. Figs. 4 and 6 show in elevation, and Fig. 5 in section, portions of ordinary suspenders adapted to connect with my connecting device; and Figs. 7 and 8 show the parts of Fig. 1 with the pants removed.

A represents a device for connecting pants with suspenders, having a plate or jaw, *a*. The jaw *a*, which is provided with a series of curved pointed teeth, *e*, on the lower end of the same, is also provided with a button, *b*, the shank *b'* of which button is riveted or otherwise secured in the plate or jaw, or may be made integral therewith. The plate or jaw *a* has arranged on each side of the same projections *a'*, in which is arranged a pin, *c*, to accommodate a spring, *d*, which spring is arranged thereon. On the pin *c* is also arranged a plate or jaw, *a'*. The jaw *a'* is also provided with a series of curved pointed teeth, *e*, and has centrally on each side of the same projections, to adapt the same to pivot on the pin *c*, and is pivoted thereon, while a thumb-piece, *a''*, is arranged on the upper end of the jaw *a'*, to operate the same by pressure from the thumb thereon. The jaw *a'* being made shorter than the jaw *a*, gives perfect freedom of action to the jaw *a'* when the same is being operated.

In practice the device is secured to the pants *f* by placing the thumb with pressure on the thumb-piece *a''*, which action lifts and opens

the jaw *a'*. After the jaws of the device are opened in the manner stated the device A is passed down over the pants *f*, the pants being between the jaws *a a'*, and when in a suitable position on the pants the pressure is taken from the thumb-piece *a''*, when the spring *d*, which is in tension, lifts the upper end of the jaw *a'*, and causes the jaws *a a'* by pressure from the spring to force the curved pointed teeth *e* of the same into the pants *f*, securing thus the device to the pants. When the connecting device is secured in position on the pants, as stated, the ends of the suspenders (shown in Fig. 6) are then passed at E over the buttons *b*, and the slats *E'* of the suspenders are drawn up on the shank *b'* of the buttons, which secures the suspenders to the device. The front end of the suspender is next drawn down, the orifice D passed over the button *b*, when the slot D' of the suspender will adjust itself to the shank *b'* of the connecting device A. It will be seen that the usual suspender-buttons on the pants *f* and the suspender-straps on the suspenders are dispensed with entirely. The connecting device A can be adjusted to any suitable position to cause the pants to hang properly on the wearer of the same.

Fig. 9 shows in elevation a modification of my improvement, and is particularly adapted to connect the device A to the hook suspender-buckles by taking the link and passing the orifice D² of the same over the button *b* and hook of the suspender-buckle. (Not here shown.) When this is done, the slot D² of the link will be drawn by the suspender up to the shank *b'* of the button *b*, thus connecting the device with the suspender having a hook-buckle.

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

The combination, with a device for connecting pants with suspenders, composed of jaws *a a'*, teeth *e*, pin *c*, spring *d*, and having button or stud *b*, as described and shown, of suspenders B, having loops E and buckle C, adapted to connect with the said button or stud *b* of the device, to connect the pants with the suspenders, as and for the purpose set forth.

FREDERICK LIND, JR.

Witnesses:

JOHN INGLIS,
FRED I. WARNER.