

J. B. BROOKS.
Suspender.

No. 221,027.

Patented Oct. 28, 1879.

Figure 1.

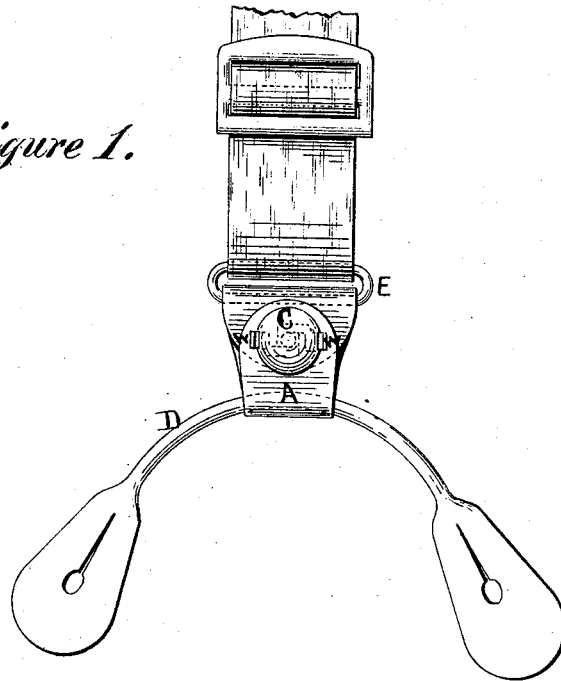
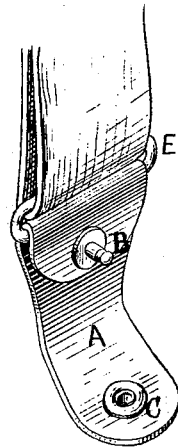


Figure 2.



Witnesses:

Robert H. Newman }
James E. Kearney }

Inventor:

John B. Brooks
By David A. Burr

Atty:

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Figure 3.

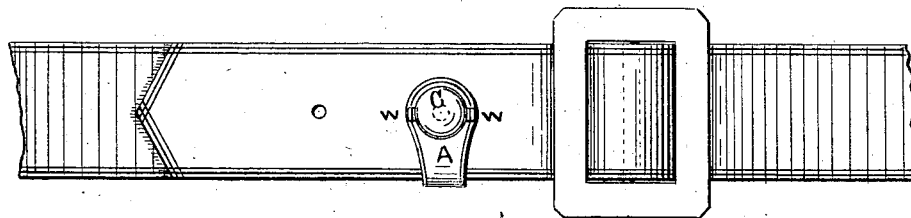
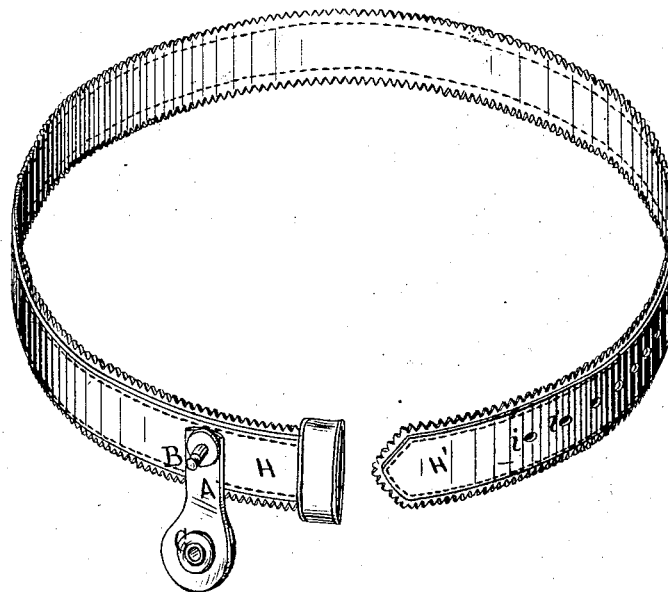


Figure 4.



Witnesses:

Wm. Brandon
James C. Kearney

Inventor:

John B. Brooks
By *David A. Burr*
Atty.

UNITED STATES PATENT OFFICE.

JOHN B. BROOKS, OF BIRMINGHAM, COUNTY OF WARWICK, ENGLAND.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **221,027**, dated October 28, 1879; application filed September 27, 1879; patented in England, March 15, 1879.

To all whom it may concern:

Be it known that I, JOHN B. BROOKS, of Birmingham, in the county of Warwick, England, have invented a new and useful Cast-Off and Fastening Device for Suspenders, Belts, Garters, &c., which has been patented in England under date March 15, 1879, and of which the following is a specification.

My invention relates to a detachable device for suspenders, belts, &c., and has for its object to facilitate the connection and disconnection of the detachable parts, and, at the same time, afford a safe and secure means of confining and securing the same when connected.

It consists in the combination of the stem and head, respectively, of a detachable-headed stud or solitaire with the ends of a flexible cast-off strip or strap, the end carrying the stem of the stud being secured to the article to which it is desired to apply the cast-off, and the other, carrying the head of the stud, being left free to form a loop when the stud head and stem are brought together and fastened.

It consists, likewise, in the combination of such flexible cast-off with the ends of a band or belt, so that when the cast-off is secured to one end of the belt the projecting stem of the stud will serve to engage any one of a series of holes pierced in the other end of the belt, and to confine and lock the same by the appropriate engagement of the detachable head of the stud with its stem.

In the accompanying drawings, Figure 1 is an elevation of the front of a suspender, showing the combination therewith of my improved flexible cast-off for the purpose of supporting the strap of the suspender-ends. Fig. 2 is a perspective view of the same, illustrating the cast-off opened to release the suspender-ends. Figs. 3 and 4 illustrate, respectively, the application of the cast-off as a fastening for belts and garters.

The cast-off is constructed of a short flexible band or strip, A, of leather, cloth, or other flexible material. To that end of this strip A which is to be attached to the article for which the cast-off is designed a stem or stud pin, B, Fig. 2, is secured by riveting or otherwise. The means for fastening the pin to the strip may be made to fasten also the strip to the article to which it is to be attached, as shown in Figs.

2 and 4, the whole attachment being accomplished in such case at one operation.

Fig. 2 illustrates the fastening of the strip to the slide of a suspender-strap. This is effected by passing the end of the cast-off strip through the loop of the suspender-slide E, and, after folding it over upon itself, securing it by passing the inner end of the stud pin or stem B through the two thicknesses, and then riveting it upon the under side.

In Fig. 4 the end of the cast-off strip is laid upon the band and secured by passing the inner end of the stem B through the strip and band, and riveting it upon the under side of the band. However secured to the flexible strip A, the stem B is left projecting therefrom, so as to pass readily into the hollow base of the detachable head C of the stud or solitaire. The head or button C is formed with a central aperture upon its under side, or with a hollow base to receive the projecting end of the stem B, and is provided with inclosed spring-actuated catches (shown in dotted lines, Fig. 1) to engage the end of the stem, said catches being operated by lugs or ears *ww*, projecting outward therefrom on opposite sides of the head or button C. This detachable head C is attached, by eyeletting or otherwise, to the free end of the flexible strip A, so that when said free end is doubled upon the fixed end the head C of the stud may be engaged with the stem B and a loop formed, as shown in Fig. 1.

When the flexible cast-off is applied to suspenders, (see Figs. 1 and 2,) the strap D, connecting the suspender-ends, is passed through the loop, and when said ends are buttoned to the trousers the suspender acts as an ordinary suspender. When, however, it is wished to detach the suspenders from the trousers, it is not necessary to unbutton the ends from the buttons. It is only necessary to press the spring-catches of the solitaire C, when the end of the cast-off A carrying the head of the solitaire will become detached from the other end. The loop formed by the folding of the said band is thereby opened, and the strap D of the suspender-ends will be detached from the slide E of the suspender. The suspender-ends remain buttoned to the trousers.

When it is desired to again support the trousers it is only necessary to pass the free

end of the cast-off A under the strap D of the suspender-ends, and then engage the head C of the solitaire with its stem B.

In like manner the cast-off may be applied to ladies' belts, and employed to support and suspend therefrom a reticule, porte-monnaie, mouchoir-case, or other like article, which may be then connected and disconnected therefrom with great ease and rapidity.

When applied to belts or garters, as shown in Figs. 3 and 4, my improved cast-off serves as an effective substitute for a buckle in fastening the belt. In such case the stem B of the solitaire, at the fixed end of the cast-off A, serves, when attached to the one end, H, of the belt, as shown in Fig. 4, as a tongue or pin to engage the holes *i i* in the opposite end, H', of the belt. After it has been passed through the appropriate hole, so as to fasten the belt in place, the stem is confined by the engagement therewith of the head C of the stud or solitaire, and the belt is thereby locked and secured, as shown in Fig. 3.

The detachable spring-connection of the head and stem of the solitaire may be made in

any manner known to the art without departing from my invention, and I do not limit myself to any one method of attaching the cast-off to the belt or other article with which it is to be used.

I claim as my invention—

1. The combination of the stem and head, respectively, of a detachable-headed stud or button with the fixed and free ends of a flexible strip, A, to form a detachable loop, substantially as and for the purpose herein set forth.

2. The combination of the stem of a detachable-headed stud, attached to the plain end of a belt or band, with perforations in the opposite end of the belt, and with a flexible strip attached to the belt and carrying the detachable head of the stud, substantially as and for the purpose herein set forth.

Witness my hand to the foregoing specification this 20th day of August, 1879.

JOHN BOULTBEE BROOKS.

In presence of—

A. C. JOHNSON,
R. JAMES.