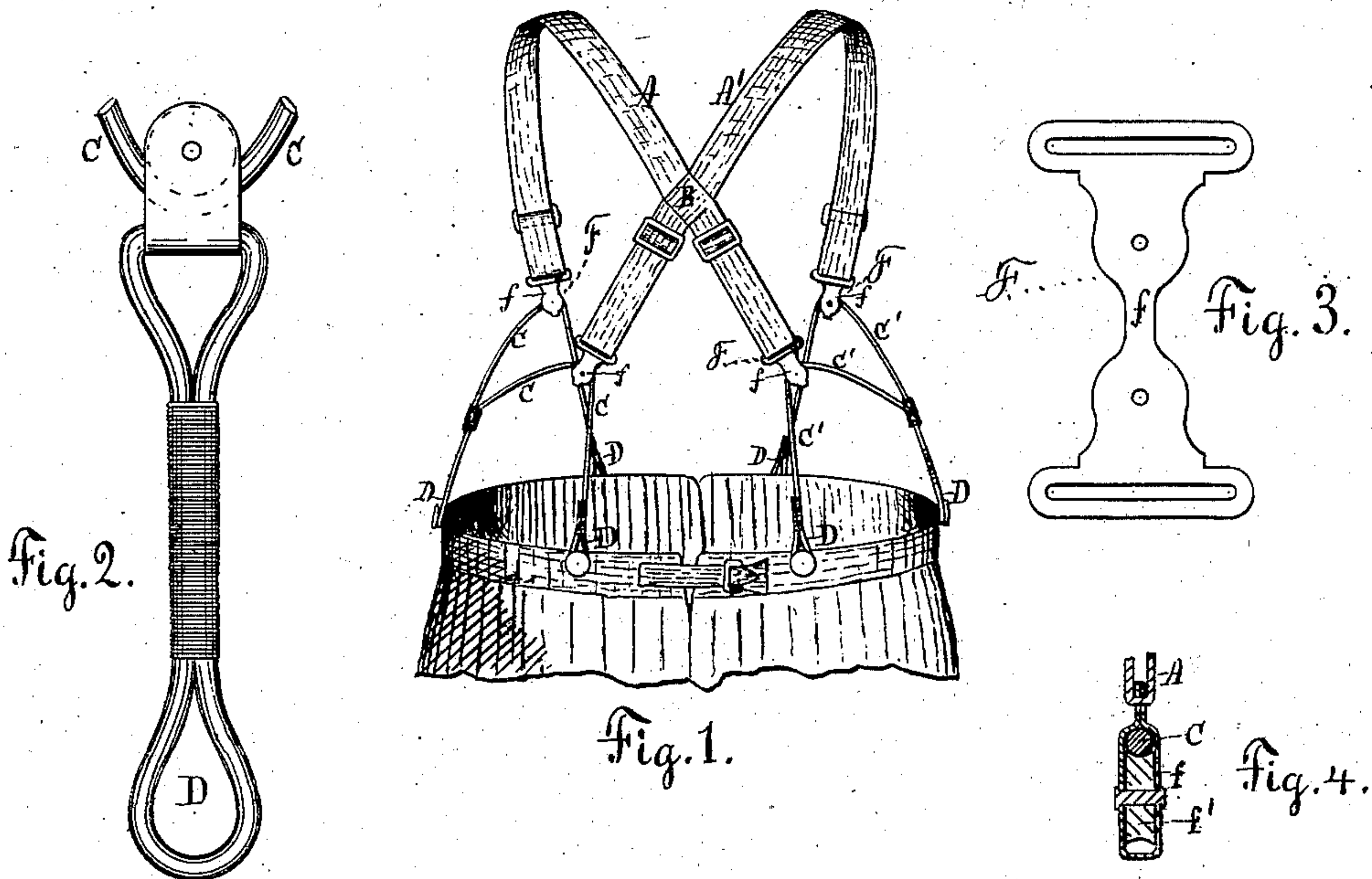


T. O. POTTER.
SUSPENDERS.

No. 194,616.

Patented Aug. 28, 1877.



Geo. D. Hoar
J. E. Knox

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by J. L. Maynard
his atty.

UNITED STATES PATENT OFFICE.

THOMAS O. POTTER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SUSPENDERS.

Specification forming part of Letters Patent No. **194,616**, dated August 28, 1877; application filed January 23, 1877.

To all whom it may concern:

Be it known that I, THOMAS O. POTTER, of Boston, county of Suffolk, and State of Massachusetts, have invented an Improved Shoulder-Brace, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, making a part hereof.

In the drawings, Figure 1 shows a shoulder-brace embodying my invention, and the other figures show details.

A A' are the main straps connected together by B in a well-known way. Attached to these straps are two cords, C C', each of which has three button-holes, D D D, as shown. These cords C C' are so connected to the straps A A' that the cord can render through the eyes or pulleys, by which it is attached to the main strap, and the intermediate button-hole D is so attached to the cord that the cord renders through the attaching device.

In this way the greatest freedom of motion is allowed to the wearer without undue strain upon the straps and cords or button, although the straps and cords used in making the brace are non-elastic.

The main feature of my invention consists in the combination of the two independent cords or webs C C' with the shoulder-straps of a suspender, by means of suitable connecting devices, the cords having each button-holes D D by which to connect it to the trousers; and the distinguishing characteristic of this part of my invention consists in the use of the two independent cords or webs, instead of a single cord, which is old.

The other feature of my invention consists in the novel construction of the connecting device F.

The device F is composed of a piece, *f*, hav-

ing two loops, one at each end, which, when bent, as shown, forms a support for the sheave *f'*, and this bending of the piece *f* brings the two loops together, so as to form one loop to receive the main straps, and the main strap serves, when in this loop, to keep the bent piece *f* in its proper shape. The sheave *f'* is journaled in the piece *f*, and the whole device forms an exceedingly compact, cheap, and durable connecting device, through which the cord can freely render.

Where it is desired to connect the suspender with the pantaloons at only four points the intermediate button-holes D are omitted.

While I prefer that the button-hole D' should be attached to the cord C, between the ends of the main strap, yet the cords C C' may have two button-holes at one end, and one at the other.

The button-holes may be formed by looping the cord, as shown, the upper part being secured by a splice or metallic clasp, or otherwise; or the button-holes may be otherwise formed and secured to the cord.

What I claim as my invention is—

1. The improved brace, consisting of the shoulder-straps A A' and connecting devices F, in combination with the two independent cords C C' and button-holes D D, all arranged together as set forth.

2. The device F, consisting of the sheet-metal piece *f* and the sheave *f'*, the piece *f* having the two loops, and being bent, as shown, to bring the two loops together to form one loop for the main straps, as set forth.

THOS. O. POTTER.

Witnesses:

J. E. MAYNADIER,
GEO. O. GLOVER.

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