

E. PAINTER.
Suspender Ends.

No. 204,166.

Patented May 28, 1878.

Fig. 1.

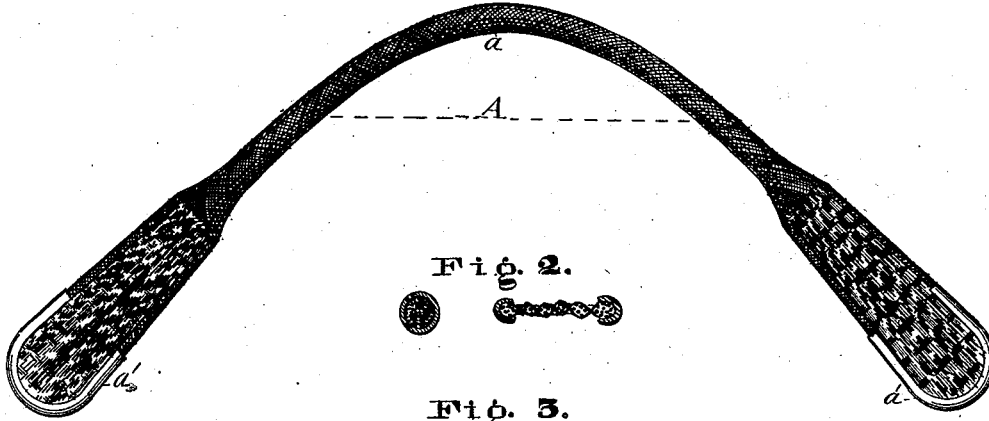


Fig. 2.



Fig. 3.

B

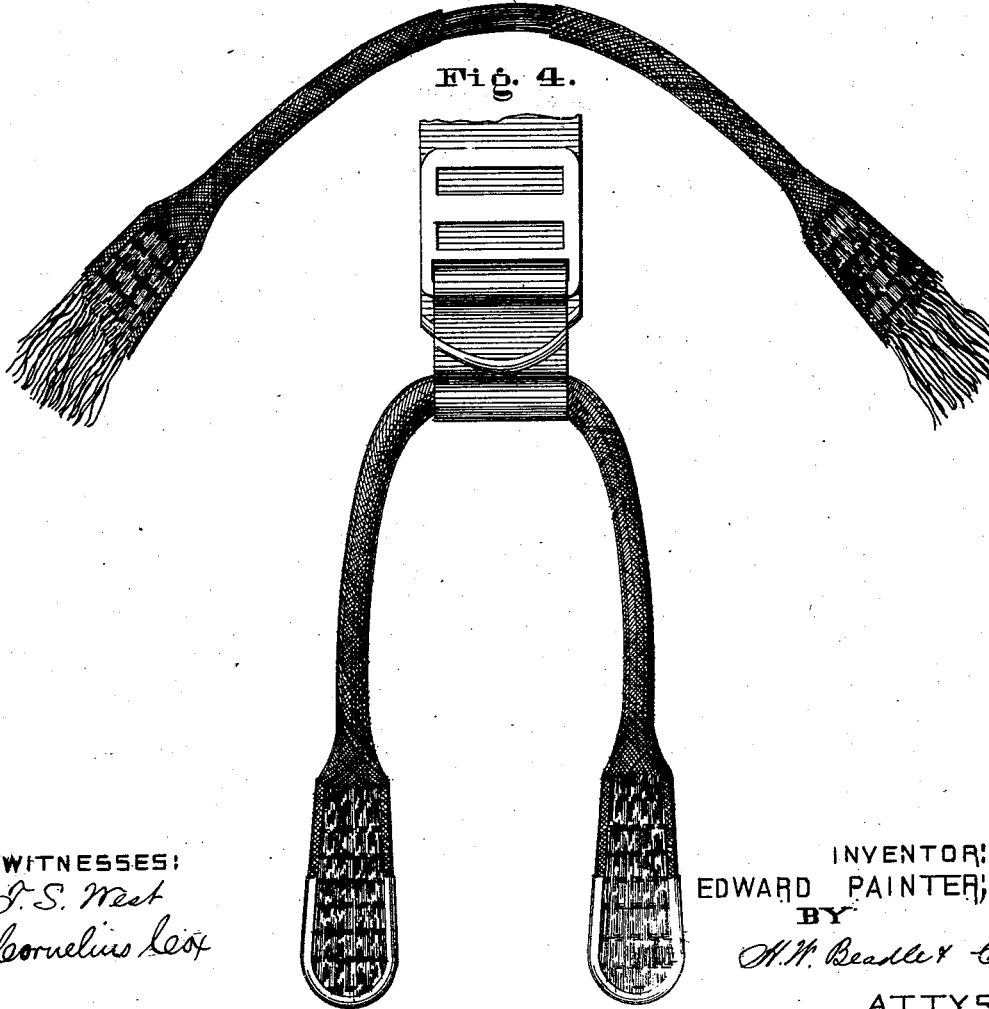


Fig. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD PAINTER, OF EASTHAMPTON, MASSACHUSETTS.

IMPROVEMENT IN SUSPENDER-ENDS.

Specification forming part of Letters Patent No. **204,166**, dated May 28, 1878; application filed May 1, 1878.

To all whom it may concern:

Be it known that I, EDWARD PAINTER, of Easthampton, county of Hampshire, and State of Massachusetts, have invented a new and useful Improvement in Suspender-Ends; and I do hereby declare the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists of a suspender-end woven in a single piece, with a tubular central portion and flat ends, the same being a new article of manufacture, as will be fully described hereinafter.

In the drawings, Figure 1 represents an elevation of the suspender-end complete; Fig. 2, cross-sections of the same; Fig. 3, an elevation showing the internal core-threads; and Fig. 4, an elevation of an end complete, applied to the suspender.

To enable others skilled in the art to make my improved article, I will proceed to describe fully the characteristics of the same.

A, Fig. 1, represents a suspender-end which is woven in a single piece, with a central tubular portion, *a*, and flat ends *a'*, as shown. It may be woven, in any proper manner, upon any proper loom, and may be provided with button-holes formed in the weaving, or otherwise, as may be preferred. B, Fig. 2, represents an

internal core, which is properly held, in the process of weaving, in such manner as to be inclosed by the tubular portion of the web.

This article, it will be observed, possesses all the advantages of that class of ends which have a round central portion and flat ends. It consists of a single piece of fabric, which is made in the loom at one operation.

I am aware that a suspender-end having a tubular central portion and fluted ends, with and without core, is not new; but heretofore these have not been so made as to be without a seam.

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

1. As a new article of manufacture, a seamless suspender-end woven in a single piece, with a tubular central portion and flat ends, substantially as described.

2. As a new article of manufacture, a seamless suspender-end woven in one piece, with a tubular central portion having an internal core and with flat ends, substantially as described.

This specification signed and witnessed this 30th day of April, 1878.

EDWARD PAINTER.

Witnesses:

GRANVILLE H. LEONARD,
GEORGE M. JOHNSON.