

(No Model.)

A. S. WAITZFELDER.
DRESS STAY.

No. 562,443.

Patented June 23, 1896.

Fig. 1.

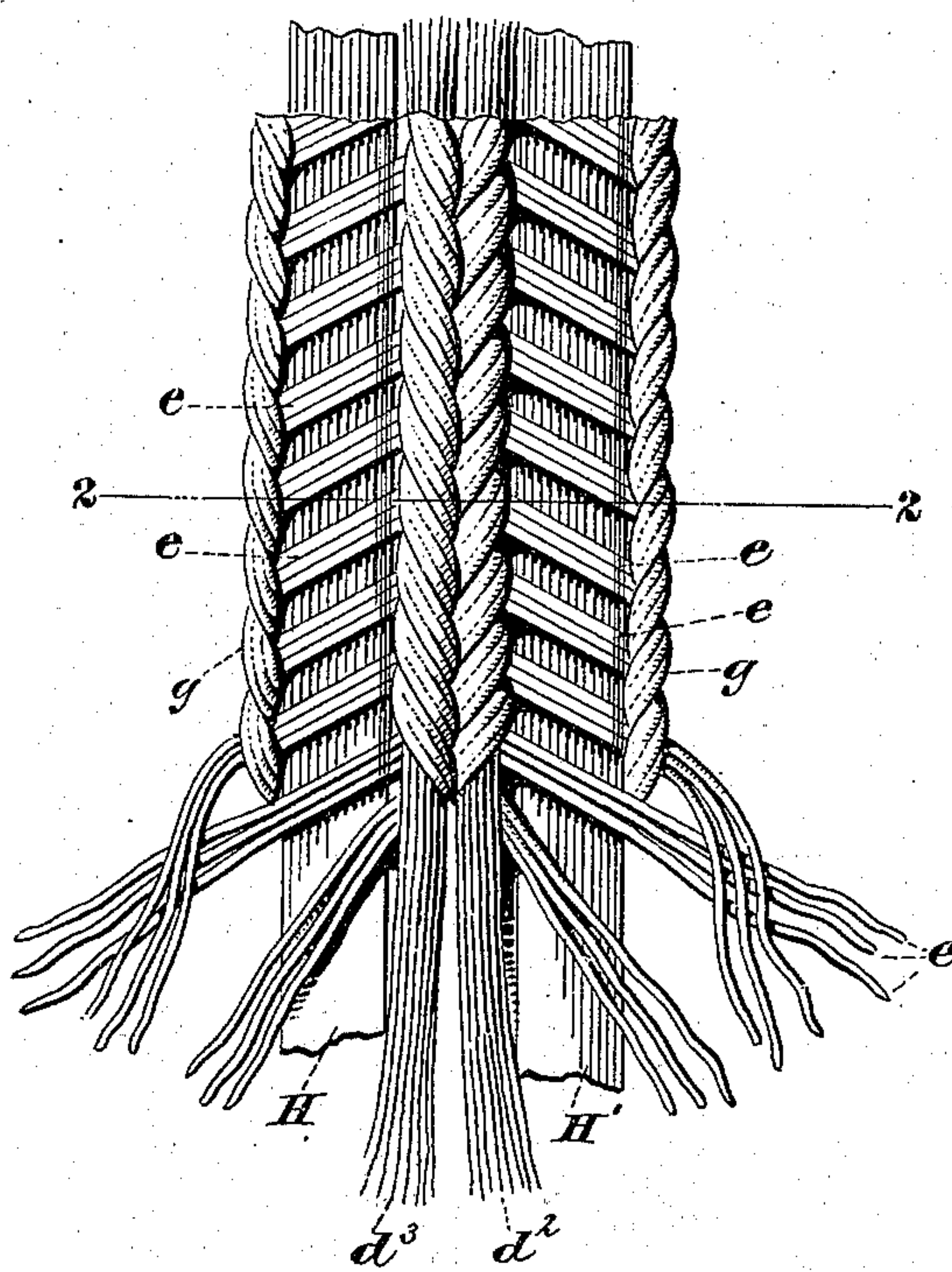
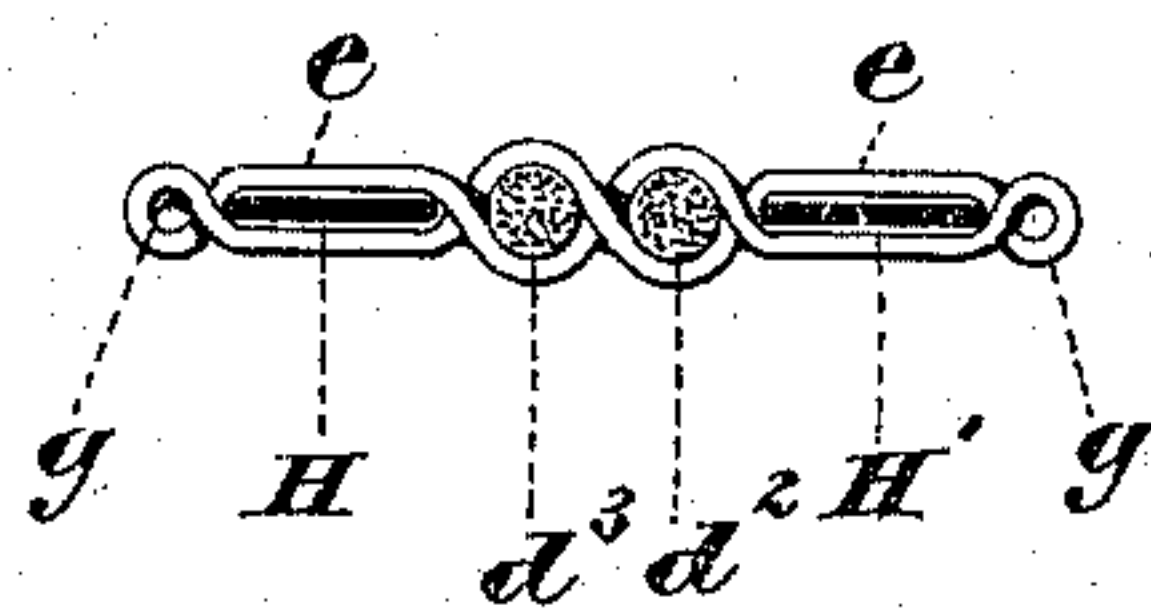


Fig. 2.



WITNESSES:

Gustave Dietrich
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INVENTOR

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UNITED STATES PATENT OFFICE.

ALBERT SIDNEY WAITZFELDER, OF NEW YORK, N. Y., ASSIGNOR TO THE
KURSHEEDT MANUFACTURING COMPANY, OF SAME PLACE.

DRESS-STAY.

SPECIFICATION forming part of Letters Patent No. 562,443, dated June 23, 1896.

Application filed November 28, 1894. Serial No. 530,239. (No model.)

To all whom it may concern:

Be it known that I, ALBERT SIDNEY WAITZFELDER, a resident of the city, county, and State of New York, have invented an Improved Dress-Stay, of which the following is a specification.

My invention relates to dress-stays or garment-distenders, and has for its object to produce a new and useful braided dress-stay or garment-distender having a stiff body, of flat strips, overlaid with yarns or threads running uninterruptedly in straight lines from edge to edge, and which are braided at the outer edges of the strips and filled with longitudinal threads, known as "underwarps," between such strips in such a manner as to produce the character of edging known as "soutache" between the strips.

To this end my invention consists in the article of manufacture hereinafter described and claimed.

My invention will be understood by referring to the accompanying drawings, forming part of this specification, in which—

Figures 1 and 2 are detail plan and transverse sectional views, respectively, of a portion of a dress-stay or garment-distender made according to my invention.

Heretofore in the manufacture of hat-wire and the like it has been customary to cover a flat or round wire with threads or yarns by braiding the same over the entire surface of the wire, so as to produce the effect of a continuous covering of fabric. By my invention I cover the faces of two flat resilient strips, such as spring-steel, with yarns or threads running in straight lines across both faces of each strip from edge to edge, and braided at the edges only, to produce a reticulated or open effect upon the body or faces of the strips, and by bringing two longitudinal or underwarp threads of greater diameter than the thickness of the resilient strips adjacent to the inside edges of the strips and braiding the threads around and between them as well as between a strip and its next adjacent underwarp to produce an edging known as "soutache" between the flat strips, and a braided beading without a filling-thread on the outer edge of the stay or distender.

In the drawings, H H' represent two strips of resilient material, such as spring metal, which have overriding braiding-threads *e*, extending in an open-work manner in straight lines across both faces thereof without interlocking. These threads are interbraided at the outer edge of each of the strips H H' to form a close beading *g g* and are interbraided with longitudinal filling-threads or underwarps of greater diameter than the thickness of the dress-stay or of the resilient strips thereof at $d^2 d^2$, so as to form what is known as a "soutache" edge between the strips. By this construction means are provided by the underwarps of the soutache for guiding the needle in securing the stay to the garment to which it is attached and at the same time forming by the soutache and braided beading edges secure means by which the article can be attached to the garment without exposing the attaching-threads, thereby providing an efficient article which is cheap in construction, can be readily attached, and presents an ornamental appearance.

I am aware that it is not broadly new to make a dress stay or distender with an open-work covering. I am also aware that it is not broadly new to employ a single flat resilient strip in distenders, and such I do not claim; but

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

A dress stay or distender comprising two flat metallic resilient strips, a closely-braided beading on the outer edge of each of said strips, all the threads constituting the said beading extending in straight lines across and overriding the faces of said strips and forming an open-work series of parallel strands which are interbraided between the flat strips with two fibrous warp-strands of greater diameter than the thickness of the flat resilient strips to form a close edging, substantially as described.

ALBERT SIDNEY WAITZFELDER.

Witnesses:

FERNANDO SOLINGER,
CHARLES E. SMITH.