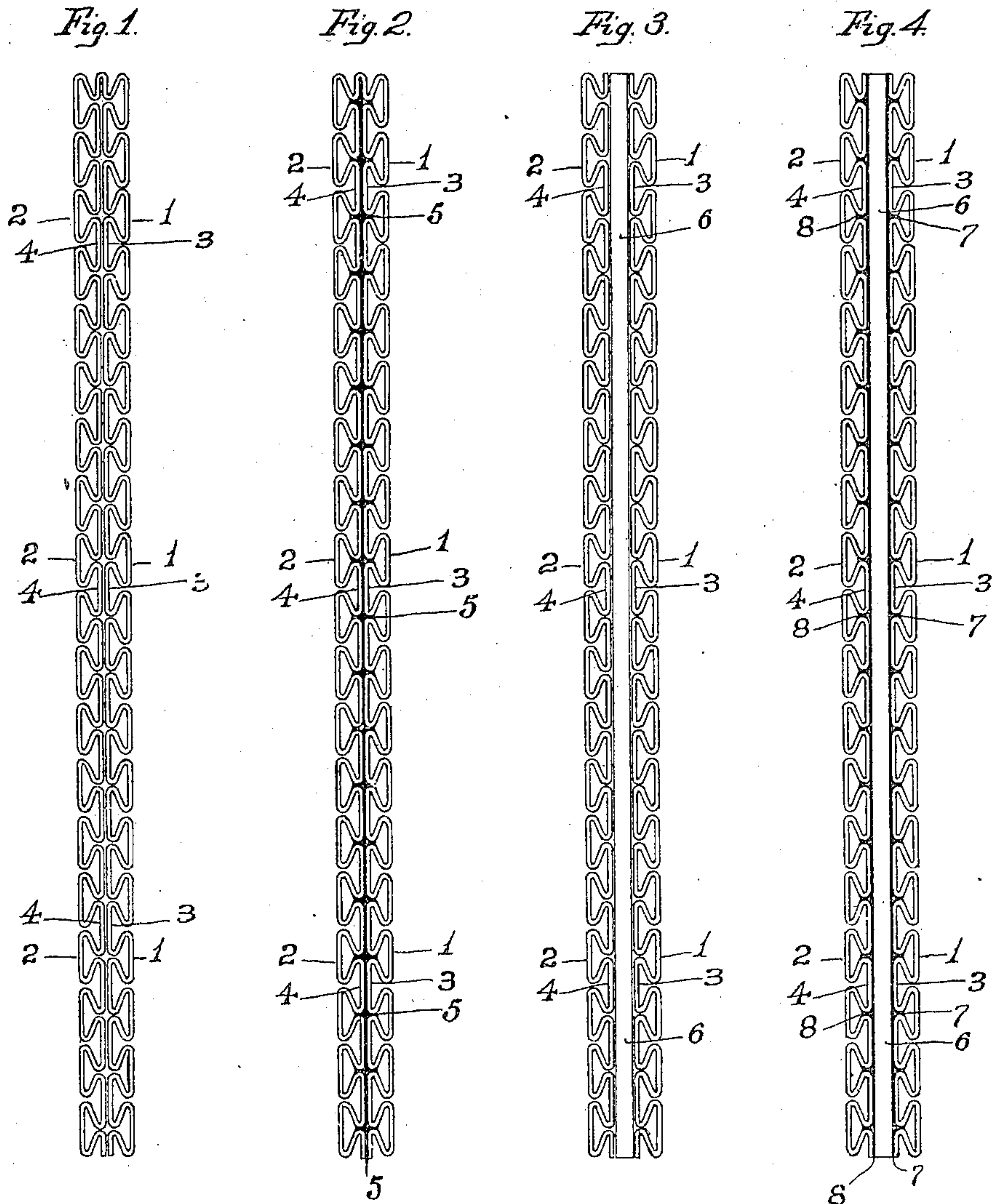


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CORSET STAY.
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952,088.

Patented Mar. 15, 1910.



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CORSET-STAY.

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To all whom it may concern:

Be it known that I, JAMES H. WILSON, a citizen of the United States, residing in the city of Bridgeport, county of Fairfield, and State of Connecticut, have invented certain new and useful Improvements in Corset-Stays; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in corset stays, but more particularly has reference to devices of this description that are made from wire.

The object of my invention is to provide a wire corset stay which shall have the desired flexibility while at the same time the central portion of the stay throughout its length shall be reinforced or stiffened so that the efficiency of the stay will be greatly increased.

With these ends in view my invention consists in the details of construction and arrangement of parts hereinafter fully described and then particularly pointed out in the claims which conclude this description.

In the accompanying drawing Figure 1 is an elevation of my improved stay as it appears prior to the stiffening of the same—Fig. 2 an elevation of the completed stay—Fig. 3 an elevation of a modified form of my improvement prior to the stiffening operation, and Fig. 4 an elevation of the completed stay of the style shown at Fig. 3.

Similar numbers of reference denote like parts in the several figures of the drawing.

Heretofore wire corset stays have been made in various forms according to the convolutions of the wire, but in all instances such stays have not possessed sufficient stiffness, and the end aimed at has been to increase the stiffness of the stay without making the latter heavy or bulky.

I form my improved stay from wire with the opposite lateral portions separate from each other, while the inner edges of these portions are contiguous, and I then weld these contiguous parts throughout the length of the stay so that a stiffening element or "backbone" to the stay is thereby provided, while the parts of the stay are thus united into an integral element.

Referring to Figs. 1 and 2 of the drawing,

1, 2, are the separate lateral portions of my improved stay which are formed by regular convolutions of wire, the inner edges 3, 4, of these lateral portions being contiguous and parallel and extending throughout the length of the stay; I then weld together by any approved method these edges 3, 4, throughout the length of the stay, the junction afforded by this welding being denoted by the numeral 5.

Instead of welding the contiguous edges directly to each other, I can assemble the lateral portions 1, 2, on opposite sides of an intermediate middle strip 6, as shown at Fig. 3, and the inner edges 3, 4, would then be welded directly to this strip, the junction afforded by this welding being denoted in Fig. 4 by the numerals 7, 8.

It will thus be readily understood that I have provided a wire stay whose stiffness and consequent efficiency is greatly increased in that the stay is provided with a back bone, so to speak, and while there is ample flexibility in a direction at an angle to the face of the stay, there is no material yielding of the stay laterally.

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

1. A corset stay made of wire having contiguous portions lengthwise throughout the middle of the stay said portions being welded together.

2. A corset stay made of wire having suitable convolutions the middle portions of which latter are contiguous throughout the length of the stay and are welded together, whereby the stay is stiffened throughout its central portion.

3. A wire corset stay having similar loop-like convolutions at the sides and similar straight welded contiguous portions throughout the middle.

4. A wire corset stay each lateral edge of which is formed by separate convolutions, and whose middle portion throughout its length is formed by a welded connection between the inner edges of said convolutions.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES H. WILSON.

Witnesses:

F. W. SMITH, Jr.,

M. T. LONGDEN.