F. W. Marston,
Clasp & Spring.

No. 106,381. Patented Aug. 16, 1870

FIG. 1.

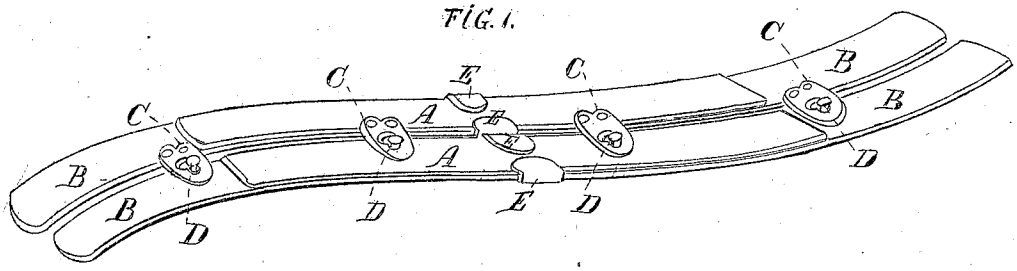


FIG. 2.

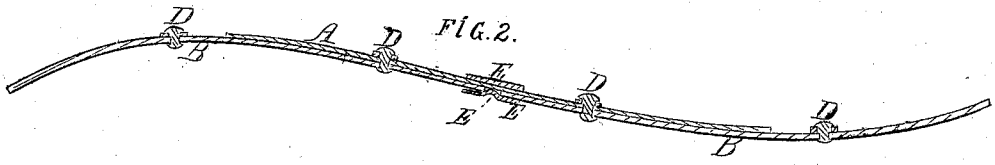


FIG. 3.

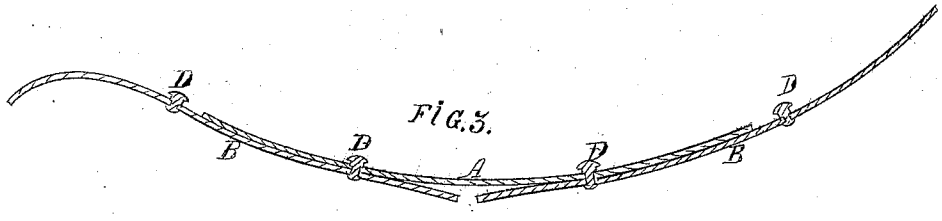
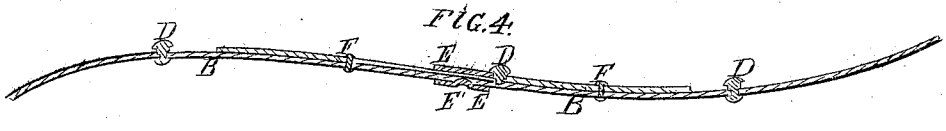


FIG. 4.



Witnesses
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FRANK W. MARSTON, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 106,381, *dated August* 16, 1870.

IMPROVEMENT IN CORSET-SPRINGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FRANK W. MARSTON, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and improved Corset-Steel; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use my invention, reference being had to the accompanying drawing which forms a part of this specification, and in which—

Figure 1 is a perspective view of my improved corset-steel;

Figure 2, a longitudinal section thereof;

Figure 3, a longitudinal section of the same with the band removed, showing the action of the plates when the steel is bent; and

Figure 4, a longitudinal section of the steel when constructed with only three clasps.

My improved corset-steel consists of an outer plate, A, forming an auxiliary spring, and of two inner plates B B, which compose the main spring.

These inner plates may be of equal or unequal lengths, indifferently, and each of them is rigidly fastened, at one point only, to the outer plate, either by the clasp-rivets C C or the buttons D D, or in any convenient manner.

The inner ends of the plates B B are confined by a band, E, set down between them, so as to be held in its place, as shown at E', fig. 2, or by any equivalent device.

In figs. 1, 2, and 3, I have shown the lower plates fastened to the upper by means of the clasp-rivets and the buttons.

In fig. 4 I have shown each of the lower plates fastened to the upper by means of a pin, F. I do not confine myself, however, to the precise construction shown in the drawing, as my invention embraces any mode of rigidly fastening each of the lower plates to the upper plate at only one point.

It is evident from the foregoing description that, when the steel is bent, both ends of the plate A are free to slide on the plates B B, and that the inner ends of the plates B B are free to recede from each other, and are, at the same time, restrained from projecting inward by the band or its equivalent.

What I claim, and desire to secure by Letters Patent of the United States, is—

A corset-steel, whose main spring is constructed in two parts, which are placed end to end, and each rigidly fastened to an outer auxiliary spring near its ends, the inner ends of said main spring being confined within a band or equivalent device.

FRANK W. MARSTON.

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