

G. O. SCHNELLER.
Corset-Springs.

No. 134,490.

Patented Dec. 31, 1872.

Fig. 1.

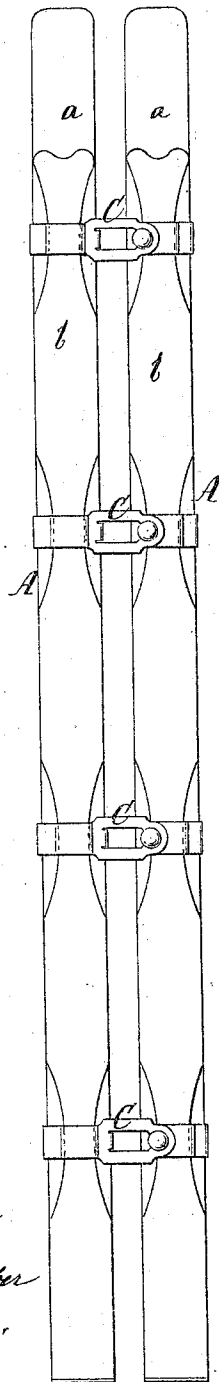
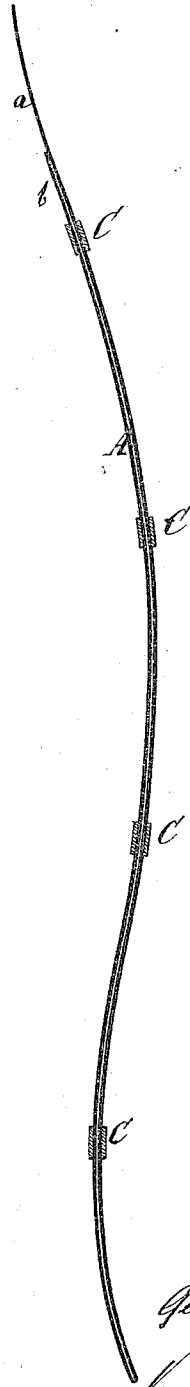


Fig. 2.



Witnesses:
Ernst Bilhuber
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Inventor
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per
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Attys

UNITED STATES PATENT OFFICE.

GEORGE OTTO SCHNELLER, OF ANSONIA, CONNECTICUT.

IMPROVEMENT IN CORSET-SPRINGS.

Specification forming part of Letters Patent No. 134,490, dated December 31, 1872.

To all whom it may concern:

Be it known that I, GEORGE OTTO SCHNELLER, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Corset-Springs; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a front view of my invention, and Fig. 2 is a longitudinal section of the same.

Similar letters indicate corresponding parts.

This invention relates to a corset-spring, constructed of a single strip of sheet metal, which is doubled up in such a manner that the strength of the spring is doubled at that portion thereof which bears on the stomach, while the strength of said spring is gradually reduced toward its upper end, which bears on the breast, said upper end being left single, so that it is free to accommodate itself to the motions of the body.

In the drawing, the letters A A designate the two springs which, combined, form what is technically known as a corset-clasp. Each of these springs consists of a single strip of sheet metal, sheet-steel being used by preference, which is doubled up, as shown in Fig. 2, so as to form a main leaf, *a*, and a secondary leaf, *b*. The secondary leaf *b*, being made in one piece with the main leaf, is prevented from a lateral displacement without requiring any additional fastening for this purpose, and at the same time each leaf has a certain longitudinal motion independent of the other leaf.

A spring constructed in this manner is particularly valuable for a corset-spring, since the same has the greatest power at its bottom end, where the spring is doubled up, while the power of the spring gradually decreases toward its upper end; and since the main leaf extends a certain distance beyond the secondary leaf, the upper end of my spring is comparatively limber, and free to accommodate itself readily to the motions of the body.

With the springs above described I combine clasps C of any well-known or improved construction, and such clasps are connected to one of the leaves of each spring, and they will be so arranged in relation to each of the leaves of said springs as not to interfere with their free movement upon each other. My spring can also be used simply for a stay, without the clasps.

I am aware that an auxiliary spring has been arranged upon and connected with a mainspring or leaf by clasps, rivets, &c., but in all such cases the two are separate and independent of each other, and when riveted together are liable to break at such junctions; such, therefore, I do not claim; but—

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

As a new article of manufacture, a corset-spring, composed of a main leaf and an auxiliary leaf, the same being formed from a single strip of sheet metal by folding one upon the other, in the manner shown, for the purpose set forth.

GEO. O. SCHNELLER.

Witnesses:

VERREIN I. MUNGER,
EDWARD F. COLE.