

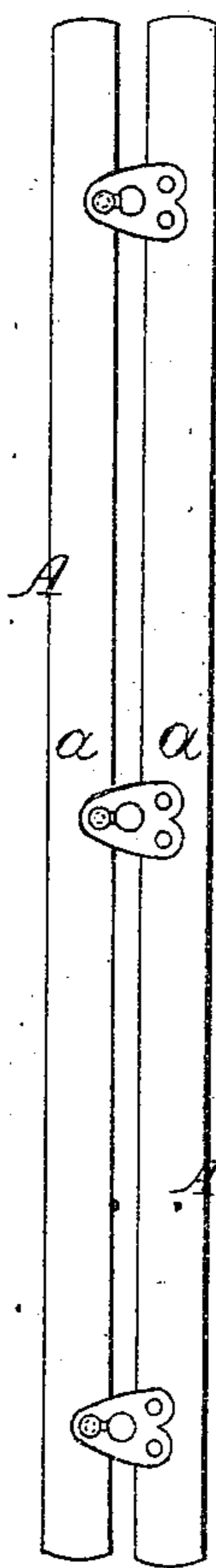
*F. L. Barnes,*  
*Corset Spring.*

*No 93399.*

*Patented Aug 10, 1869.*

*Fig 1.*

*Fig 2.*



*Witnesses:*

*Winchman*  
*John Brooks*

*Inventor*  
*Mrs F. L. Barnes.*

*For*  
*Attorneys*

# United States Patent Office.

FRANCES LEE BARNES, OF NEW YORK, N. Y., FOR HERSELF, AND AS EXECUTRIX OF  
THE ESTATE OF S. H. BARNES, DECEASED.

*Letters Patent No. 93,399, dated August 10, 1869.*

## IMPROVEMENT IN CORSET-STEELS.

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, FRANCES LEE BARNES, of New York city, in the county and State of New York, and S. H. BARNES, now deceased, late of the same place, have invented a new and useful Improvement in Corset-Springs; and I, the said FRANCES LEE BARNES, for myself, and as executrix in the will of the said S. H. BARNES, deceased, do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a face view of the improved corset-spring.

Figure 2 represents an edge view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a certain improvement in corset-springs, whereby the same are made stronger and more durable in places where they now most easily break.

The invention consists in constructing the springs A, which are made of metal, whalebone, horn, or other suitable material, thicker in the middle, as shown at *a* in fig. 2.

This additional thickness is produced directly on

the body or main portion of each spring, during the manufacture of the same.

By this arrangement the elasticity of the springs at the ends, where it is most required, is retained, and additional strength in the middle produced. The breaking of the spring in the middle is thus most effectually prevented.

The thick portion is, by preference, gradually and not suddenly reduced toward the ends, as in fig. 2.

Instead of being made thicker at the middle, the spring may be made wider, in order to obtain the desired additional strength.

Having thus described this improvement,

I claim, as the joint invention of myself and S. H. BARNES deceased, and desire to secure by Letters Patent—

As a new article of manufacture, the corset-spring made thicker in the middle, as shown, and tapering gradually from the middle toward both ends, as herein set forth, for the purpose specified.

FRANCES LEE BARNES.

FRANCES LEE BARNES,

*Executrix..*

Witnesses:

FRANK BLOCKLEY,

ALEX. F. ROBERTS.