

T. S. SPERRY.

Improvement in Pillows and Bolsters.

No. 125,851.

Fig. 1.

Patented April 16, 1872.

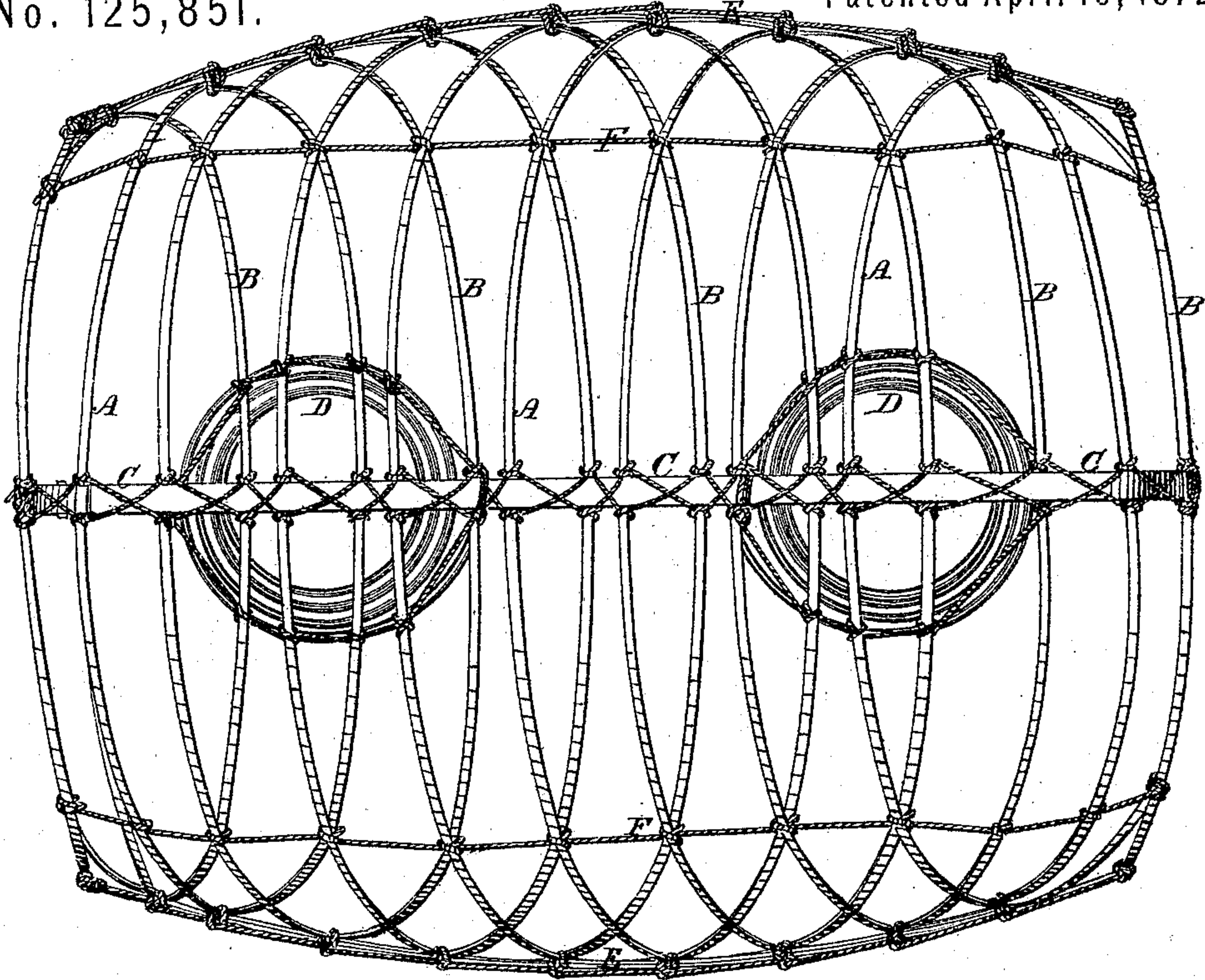
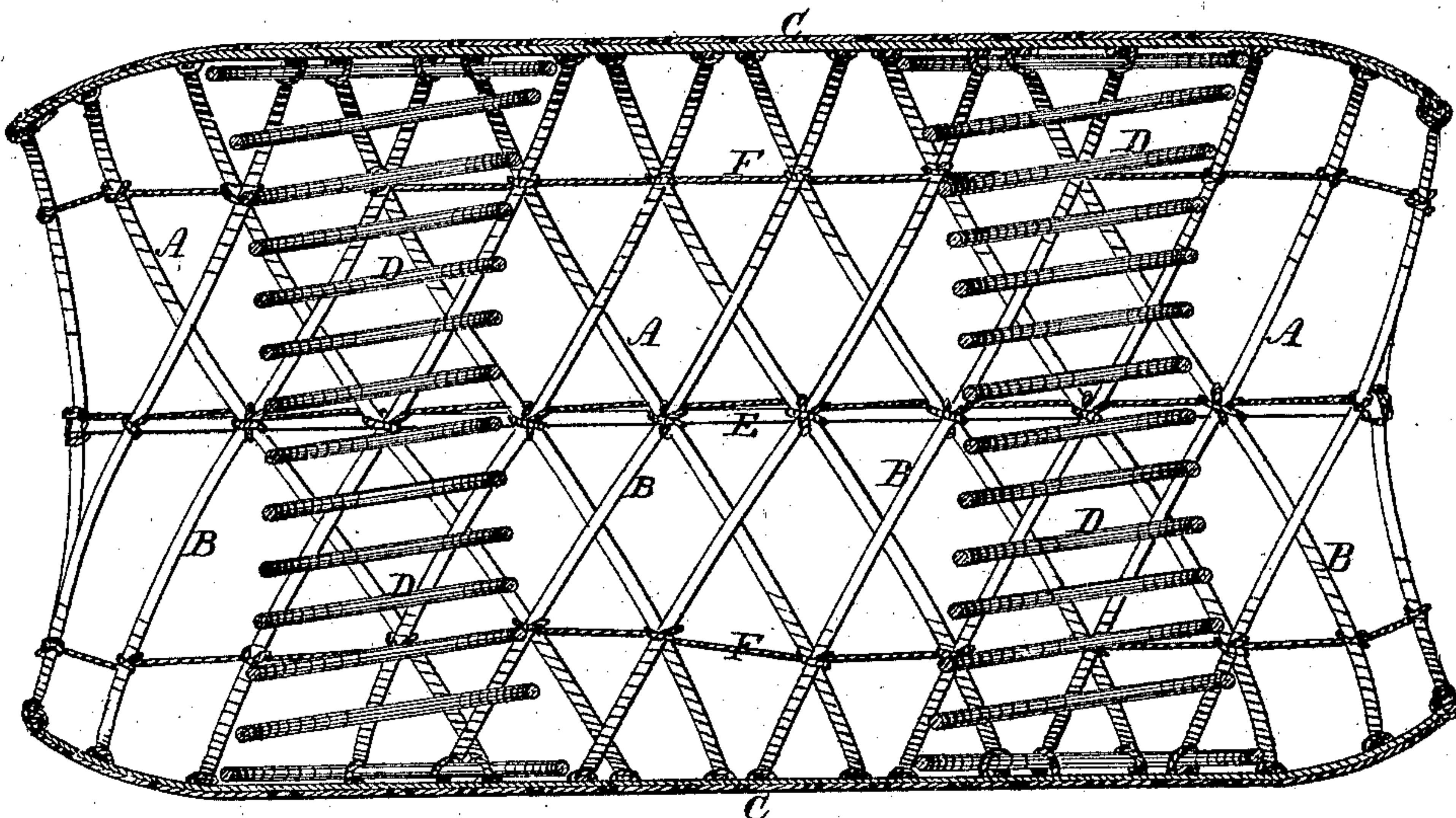


Fig. 2.



WITNESSES.

Harry M. Phillips
Wm. J. Payton

Inventor.

by T. S. Sperry
Johnson Klauke & Co.
his Attorneys.

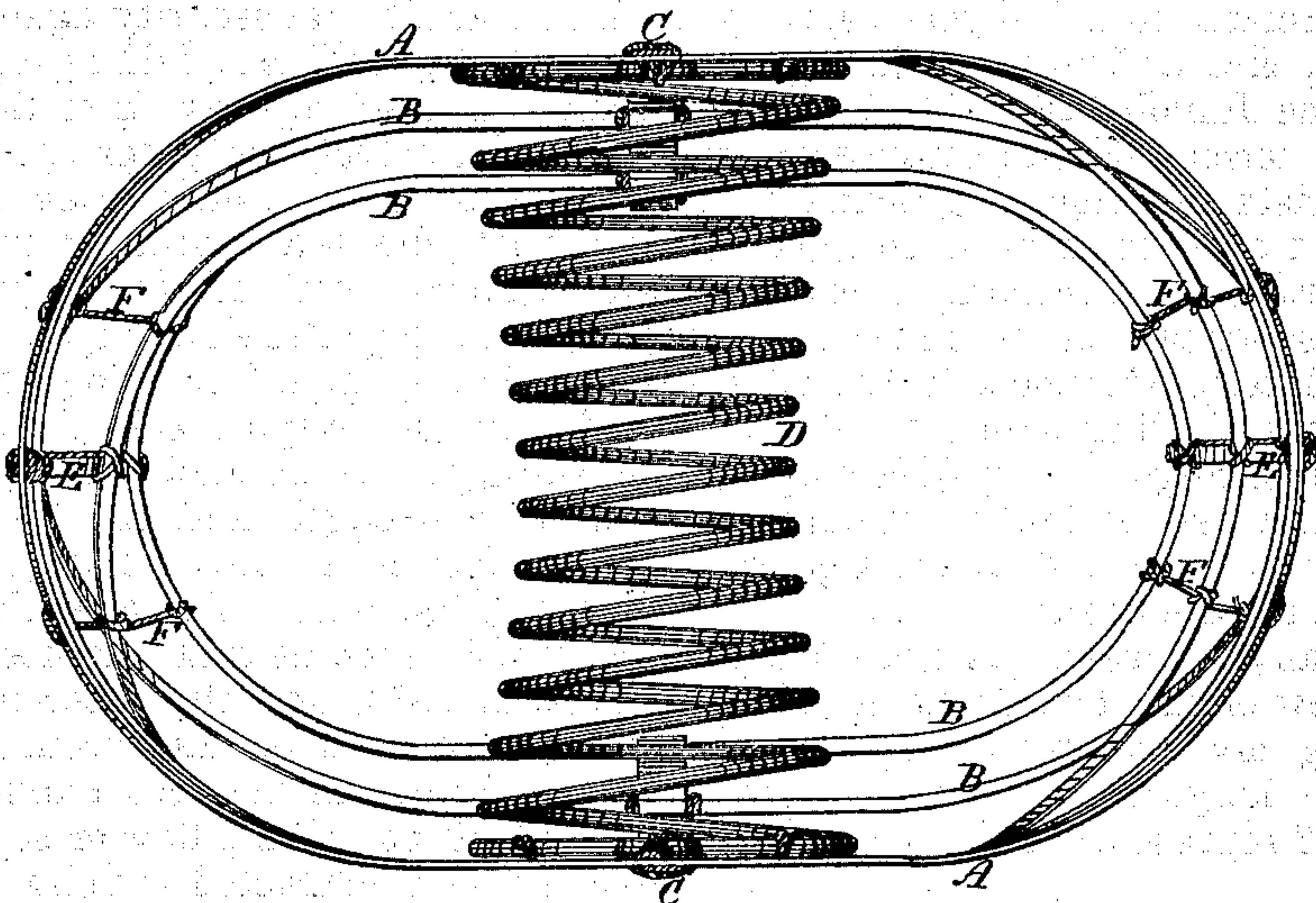
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Fig. 3.



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UNITED STATES PATENT OFFICE.

TIMOTHY S. SPERRY, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN PILLOWS AND BOLSTERS.

Specification forming part of Letters Patent No. 125,851, dated April 16, 1872.

To all whom it may concern:

Be it known that I, TIMOTHY S. SPERRY, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spring-Skeleton Upholstered Pillows or Bolsters.

My invention relates to upholstered spring-pillows, bolsters, &c., as embraced in a patent granted to me January 24, 1871; and the invention which forms the subject-matter of this patent consists in combining a skeleton shell composed of a series of spiral springs or a continuous spiral spring, forming a series of shell-springs crossing each other, and connected together with interior vertical spiral springs, arranged to form a yielding support and stay to said outer shell-springs, and produce a light, durable, cheap, and healthful pillow or bolster, which will retain its form and afford a gentle yielding support for the head.

In the accompanying drawing, Figure 1 represents a top view of the shell or skeleton of a pillow embracing my invention; Fig. 2 represents a vertical longitudinal section of the same; and Fig. 3 represents a vertical cross-section thereof.

The shell or frame may be made of one continuous spring, but I prefer to make it of separate and distinct springs A B, wound spirally upon a former, one spring being so wound in one direction and the other in the opposite direction, and connected at their upper and lower sides to longitudinal stay-springs C by cords, as shown in Fig. 1, at the junction of each coil with the stay-springs, and thus afford longitudinal bracing to the shell. They are wound spirally from one end to the other, so as to form a series of bows, and united together at the ends of the shells in any suitable manner, leaving the ends of the skeleton-shell open, as shown in Figs. 2 and 3 of the drawing. Within the center of the spring-shell or web are arranged a series of vertical springs, D, which I prefer to make flaring from about the middle of their length toward each end, and united to the inner sides of the top and bottom of the outer shell by lacing the outer strands of said vertical springs D to the longitudinal stays C and coils of the outer shell.

This arrangement affords additional bracing to the outer shell, and, moreover, renders the pillow light and uniform in its yielding, preventing the sinking at one side or the other, and the consequent formation of ridges at the sides.

As an additional security against any tendency to longitudinal yielding of the shell I arrange side spring-stays E to the outer shell, and also connect the outer springs A and B by cords F wound around them at their junction, thus completely bracing the shell without interfering with its capacity to yield vertically, with a gentle elasticity, under pressure, the vertical springs D forming a sufficient support to the outer spiral coils for that purpose. The springs may be made of any suitable material and strength, and they may be galvanized, if desired, to prevent corroding.

I make the outer shell or spring-coils upon a "former," such as that patented to me February 13, 1872, and the interior supporting-springs are inserted and secured within the shell so formed in the best manner to produce the best effect. The pillow or bolster or other article thus constructed is upholstered in any suitable manner to give external softness to the shell.

My improvement can be applied to beds by arranging a series of internal vertical springs in rows, and may also be applied to seats of any description.

When applied in the construction of pillows and bolsters the outer shell has an oval form, as shown in Fig. 3.

Having described my invention, I claim—

In combination with an outer spring-shell or coil, A B, constructed essentially such as described, the combination therewith of the interior vertical supporting-springs D, arranged as and for the purpose substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses this 16th day of January, A. D. 1872.

TIMOTHY S. SPERRY.

Witnesses:

A. E. H. JOHNSON,

ALEXR. A. C. KLAUCKE.