H. H. Vere,

Bed Bottom,

No. 67,822, Patented Aug. 13, 1867.

Fig: 1.

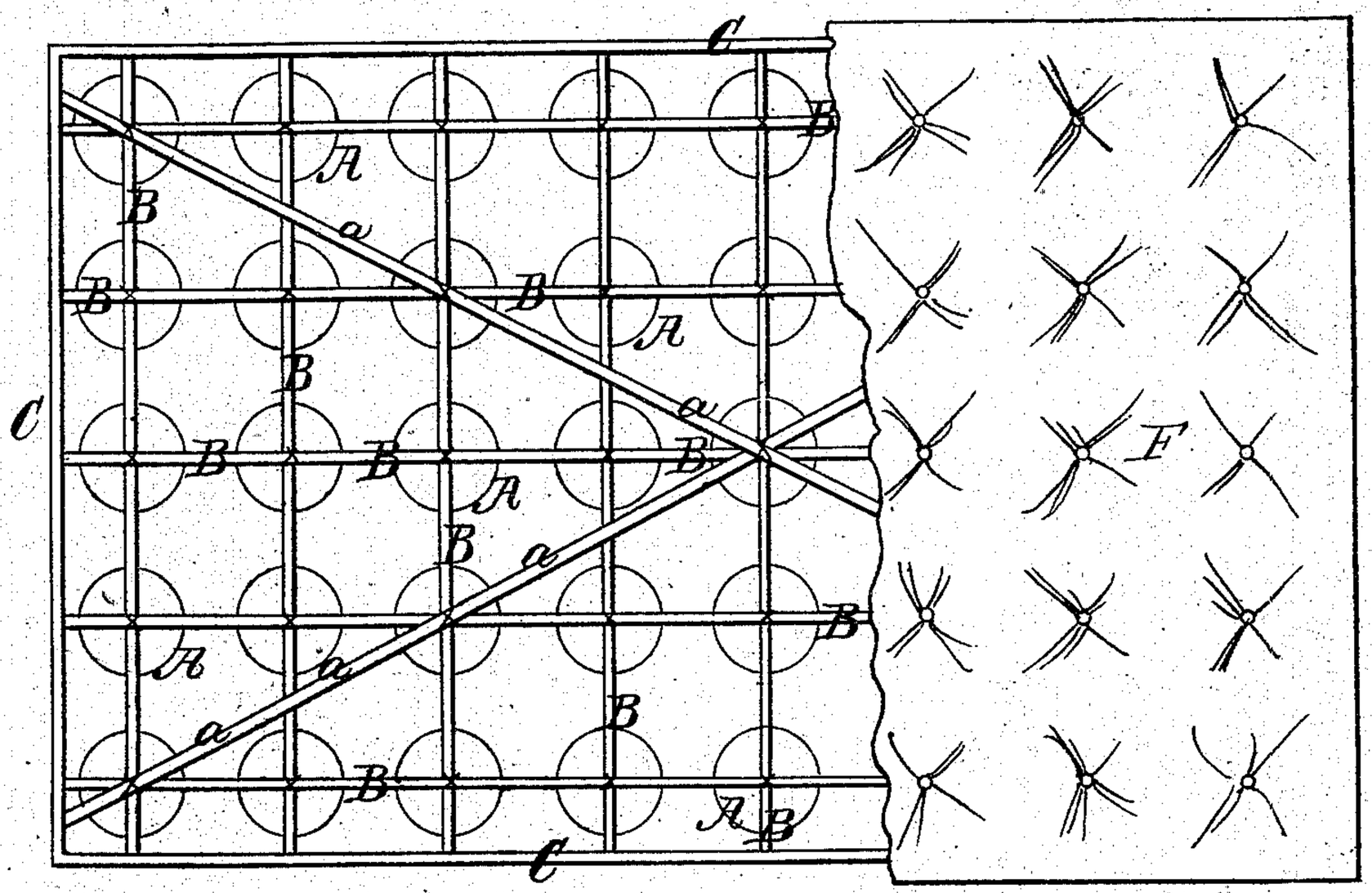
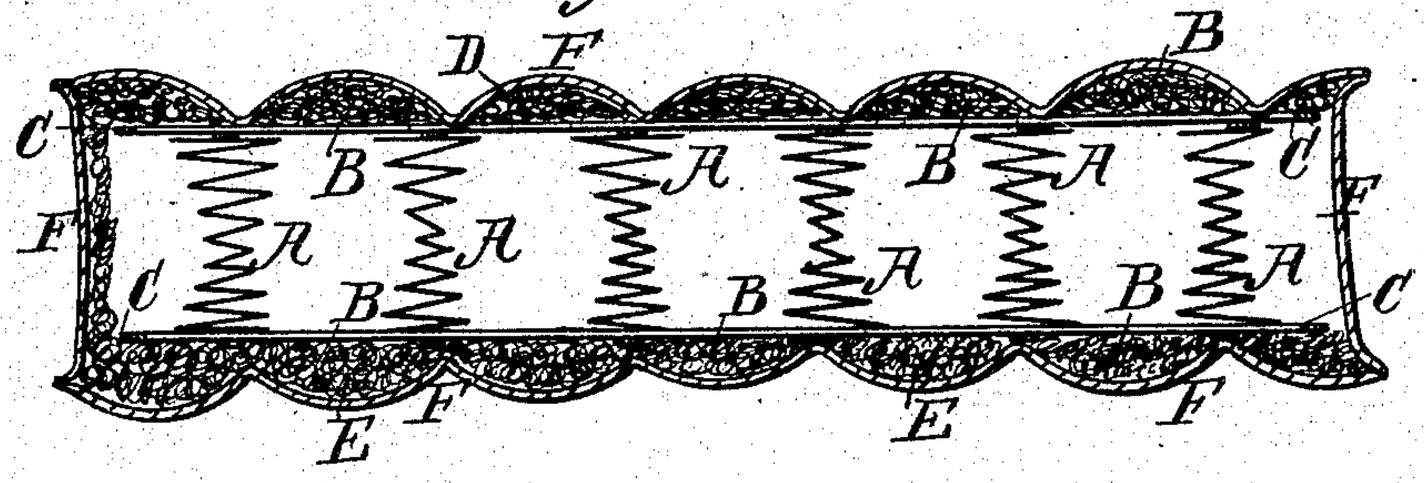


Fig: 2.



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HENRY HOLTON VERE, OF NEW YORK, N. Y., ASSIGNOR TO JOHN E. FISHLEY, OF THE SAME PLACE.

Letters Patent No. 67,822, *dated August* 13, 1867.

IMPROVED SPRING-MATTRESS.

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, HENRY H. VERE, of the city, county, and State of New York, have invented a new and useful Improvement in Spring-Mattresses; and I 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 drawings, in which—

Figure 1 is a plan or top view of my improved mattress partly in section.

Figure 2 is a vertical sectional view of the same.

Similar letters of reference indicate like parts.

The object of this invention is to so arrange and hold spiral springs in mattresses that the durability of the mattress will be increased, and to do away with the wooden frames now generally used in spring-mattresses, that the mattress may be easily handled, and may be reversed and worn on both sides. By the use of this invention a mattress, bed, or cushion is made flexible, so that it may be folded or rolled and moved with ease. Both ends of the spiral springs are made available by connecting the same with a frame of watch-spring steel, which is arranged on each side of the mattress. This frame acts as an additional spring to the bed.

A represents a series of so-called sofa-springs, which are arranged with regularity in the mattress. Steel springs B B are arranged above and below the springs A, and cross each other at right angles, as shown, in such a manner that above the centre of each spiral spring A two such springs B cross each other, which is clearly shown in fig. 1. The ends of the springs A are tied by means of cords or otherwise to the springs B above and below, and thus one solid web of springs is formed within the mattress, whereby great elasticity and lightness are secured. The edges or borders of the mattress are also formed of watch-steel springs C C, instead of being made of wood, wire, or cane, as in the ordinary spring-bed bottoms and mattresses. The ends of the springs B are continued so that they meet the springs C, and are secured to the same in any suitable manner. The four corners on each side of the mattress may be connected and the whole frame strengthened by the use of diagonal springs *a a*, as shown in fig. 1. The springs, when thus connected, may be covered with a layer, D, of hair, or other suitable material, on one side, and with a layer or layers of feathers, E, or other suitable material, on the other side, and the whole is then enclosed in linen or other suitable covering, F. A soft and elastic mattress is thus formed, which is superior to those mattresses or beds which are formed of feathers only. It can be made of any suitable size, which depends upon the number and size of the spiral springs employed.

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

A spring-mattress, composed of the spiral springs A, flat steel spring top and bottom B, and flat steel spring frame C, and suitable covering, all made and operating substantially as herein shown and described.

HENRY HOLTON VERE.

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