

S. M. BROOKS.

Improvement in Spring Bed-Bottoms.

No. 130,788.

Patented Aug. 27, 1872.

Fig. 1

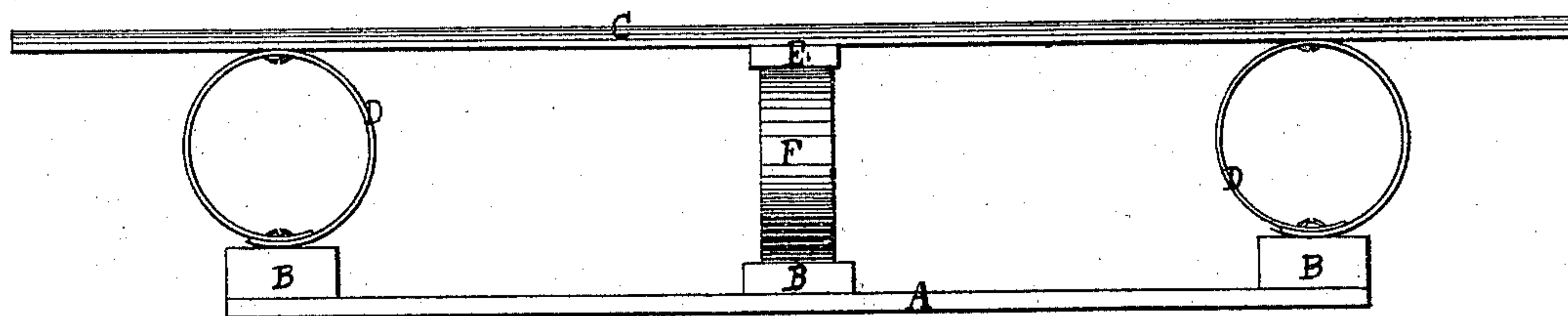
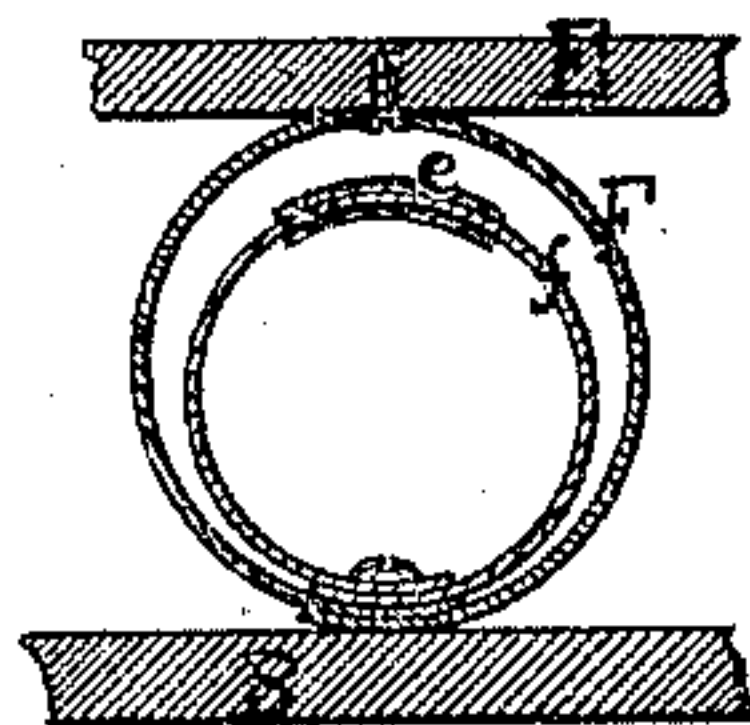


Fig. 2.



WITNESSES:

Herm. Lauten.
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UNITED STATES PATENT OFFICE.

SILAS M. BROOKS, OF BURLINGTON, CONNECTICUT.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 130,788, dated August 27, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, SILAS M. BROOKS, of Burlington, in the county of Hartford, and in the State of Connecticut, have invented certain new and useful "Improvements in Spring Bed-Bottoms;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in constructing a spring bed-bottom, with an independent central transverse slat provided with a series of double circular springs, which slat, as well as the longitudinal slats on which the bed rests, has its series of springs secured to a frame formed of three cross-pieces the width of the bed, and two longitudinal bars, as will more fully hereinafter appear.

To enable others skilled in the arts to make and use my invention I will now proceed to more specifically describe its construction.

In the drawing, Figure 1 is a side elevation of my bed-bottom, and Fig. 2 is a detail view representing one of the double circular springs secured to the independent transverse slat.

A is one of two longitudinal bars, forming with the cross-pieces B B B, which are as long as the bed is wide, the frame of the bed-bottom. C represents one of the several longitudinal slats on which the bed is placed; all of these slats are of the same size and as long as the bed, and each is secured to a couple of circular springs, D, that are firmly fastened to the end cross-pieces B. (See Fig. 1.) The independent center slat E is secured to a series of double circular springs, F, that are screwed securely to the center cross-piece B; and slat E is as long as the width of the bed, and extends below the slats C. The double circular spring F is composed of a large circular spring and a small circular spring, *f*, firmly secured to the center cross-piece B. The spring *f* is provided with a pad, *e*, made

of rubber or other suitable material, and the upper part of the large spring is secured to slat E. (See Fig. 2.) These springs F may be used instead of springs D; but I preferably use them with the center slat E, because the occupant of the bed more frequently puts a violent and sudden strain upon the springs near the center of the bed, by sitting on them, &c., than on any other of the springs, and the double spring from its greater strength is not so liable to break or become "set." The pad *e* prevents the noise that would result from the sudden clash of the springs if the pad were not provided. This double spring F can be readily adapted to sofas, lounges, chairs, and other similar purposes.

As my bed-bottom is made of straight pieces of wood and plain bands of steel of one coil secured together by screws, I can furnish a remarkably cheap and good spring bed-bottom.

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

1. The combination of the independent transverse slat E provided with a series of double springs F, with the frame A B B B, slats C and springs D, when constructed and operating substantially in the manner, and for the purpose specified.

2. The combination of the inner circular spring *f* provided with a pad, *e*, and the outer circular spring F, as a bed-bottom or other spring, constructed and operating substantially in the manner and for the purpose set forth.

In testimony that I claim the above-described certain new and useful "improvements in spring bed-bottoms," I have hereunto signed my name this 19th day of December, 1871.

SILAS M. BROOKS.

Witnesses:

N. W. MILLARD,

WILLIAM ELTON, M. D.