

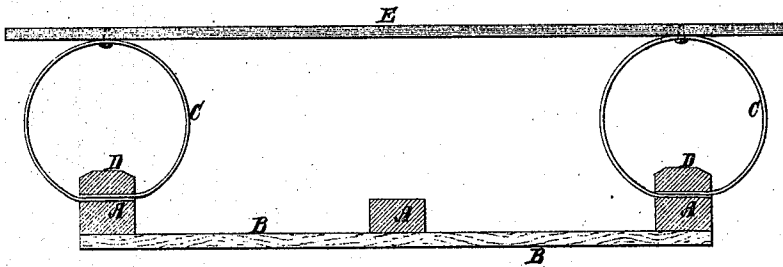
*S. M. Brooks,*

*Bed Bottom.*

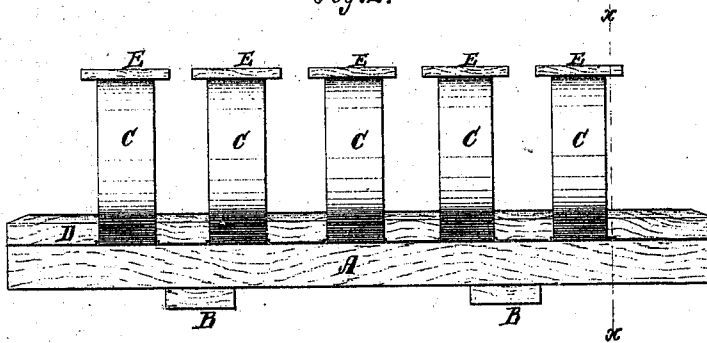
*No. 106028.*

*Patented Aug. 2. 1870.*

*Fig. 1.*



*Fig. 2.*



Witnesses:

*J. B. Reynolds*  
*W. S. Mable*

Inventor:

*S. M. Brooks*

PER

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Attorneys.

# United States Patent Office.

SILAS M. BROOKS, OF MEMPHIS, TENNESSEE, ASSIGNOR TO HIMSELF AND CHARLES G. THOMPSON, OF SAME PLACE.

Letters Patent No. 106,028, dated August 2, 1870.

## IMPROVED SPRING BED-BOTTOM.

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, SILAS M. BROOKS, of the city of Memphis, in the county of Shelby and State of Tennessee, have invented a new and useful Improvement in Spring Bed-Bottoms; and I do declare hereby 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, in which—

Figure 1 is a longitudinal sectional view of one of the slats or bars, on which the bed rests, and which slat is fixed permanently to the springs which are securely fastened to the bars A A, with screws, and bars D, and laterally braced by bar A', and longitudinally by bars B B.

Figure 2 is an end view of the row of springs, showing the bars, braces, and slats.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A A, in fig. 1, are the lateral bars, on which the springs *c c* are secured by means of screws. On each of the bars A are placed two rows of springs, five in each row.

The bars D D are passed through the springs, and are securely screwed onto the bars A A, thus assisting to hold the springs C C more firmly in their places.

The bars E E are firmly fixed, by screws, on the top sides of the springs C C, each slat or bar having an independent motion, distinct from each of the other slats or bars, and in proportion as the weight is applied to the slat, varying from the center, an undulating motion is thus given to the person occupying the bed, from the head to the foot, each pair of

springs giving the same undulating motion; no cross-motion is given, as the springs do not yield in a lateral direction.

If the weight is equally distributed on the slats, then the motion will be in a vertical direction, as the springs are pressed together, and fly back to their fixed position.

The bars A A and A' rest on cleats, attached to the bed-rails, or on the rails themselves, according to the manner of their construction.

The braces B B are securely fastened to the bars A, so as to make the frame rigid and unyielding.

In fig. 2, like letters, as in fig. 1, designate like parts of my invention.

It will thus be seen that by my invention, I am enabled to form a neat, light, and cheap spring bed-bottom, using a small amount of metal in making my springs, and but a few pieces of wood in its construction, and not easily disarranged or put out of order.

Having thus described my invention,

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

The combination of the springs C C, when arranged only in two rows, with bars A A and D D, and with slats or bars E E, when said bars E are attached to a pair of springs, one at the top and the other at the bottom of the frame, constructed substantially as described, and operating as and for the purposes set forth.

SILAS M. BROOKS.

Witnesses:

ADAM WIER,  
C. JOHNSTON,  
JOHN T. ELLIOTT.