

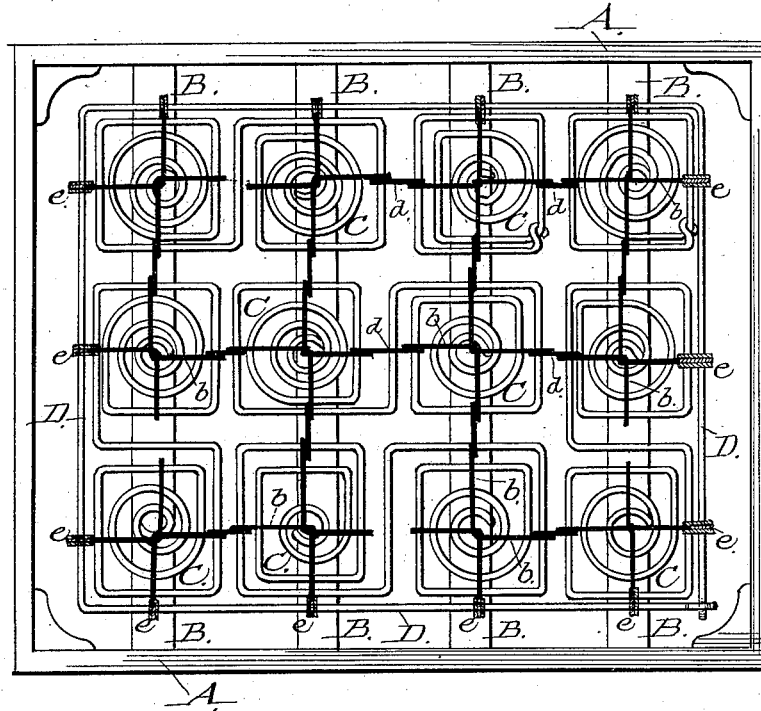
(No Model.)

S. D. TUTTLE.  
SPRING BED BOTTOM.

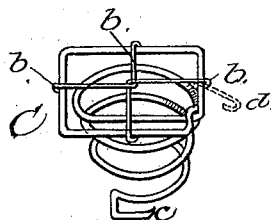
No. 304,678.

Patented Sept. 2, 1884.

*Fig. 1.*



*Fig. 2.*



*Attest;*

*L. Walter Fowler,  
H. B. Applewhite,*

*Inventor;*

*Sterling D. Tuttle*

*per attys.*

*A. H. Evans & Co.*

# UNITED STATES PATENT OFFICE.

STERLING D. TUTTLE, OF EATON, OHIO.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 304,678, dated September 2, 1884.

Application filed September 26, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, STERLING D. TUTTLE, a citizen of the United States, residing at Eaton, in the county of Preble and State of Ohio, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being made to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a top view or plan of my improved bed-bottom; Fig. 2, a detached view in perspective of one of the single springs.

This invention relates to certain new and useful improvements in the class of spring bed-bottoms; and the invention consists in novel features of construction and combination and arrangement of parts, all as will be hereinafter fully described, and set forth in the claim hereto annexed.

In the drawings, A represents a rectangular bedstead-frame; B, the transverse spring-supporting slats, and C the usual conical coiled springs, with the apex arranged or turned downward and the end or foot *c* of the spring turned or bent up so that the point will engage the under side of the slat B, and thus prevent the spring from slipping off. These springs may be formed double, as shown in Fig. 1, or single, as may be deemed expedient. The upper horizontal coil of each spring is made rectangular or square, as shown, to form a broad or wide supporting-surface. The four sides are centrally connected by right-angled wires *b b*, having hooked ends *b' b'*, to catch over the four sides of the wire forming the rectangular or square upper coil, and said wires *b b* intersect at their bends, all as clearly shown in Figs. 1 and 2. The construction of the wires *b b* prevents the bed-clothes from

catching in the points or ends thereof, and in connection with the loops *d*, that connect the springs, and the wire frame D, surrounding the outer series of springs, and to which they are connected by cords *e*, prevent the springs from sagging, and equalize the pressure or weight brought to bear upon the springs. The cords *e* also serve to prevent the bed-clothes from catching upon the bed-bottom, thus obviating their being torn in removing them, as is often the case where connecting-wires are used.

The above-described construction can be easily and readily applied to any of the ordinary bedsteads, and forms a strong and durable bed-bottom.

I am aware of the patents to A. F. Purefoy, No. 261,954, August 1, 1882; C. Rich, No. 102,867, May 10, 1870, and to N. T. Hamilton, No. 208,591, October 1, 1878, and do not broadly desire to claim any of the features therein shown.

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

In a spring bed-bottom, the combination, with the frame A and supporting-slats B, of the series of double or single conical coiled springs C, having turned-up foot ends *c* and horizontal rectangular or square upper coils, the right-angled intersecting supporting and connecting wires *b b*, having hooked ends *b' b'* to catch over the wire, the intermediate connecting-loops, *d*, the surrounding wire frame D, and connecting-cords *e*, substantially as and for the purpose herein shown and described.

STERLING D. TUTTLE.

Witnesses:

W. G. BAUFILL,  
JAMES SAYLER.