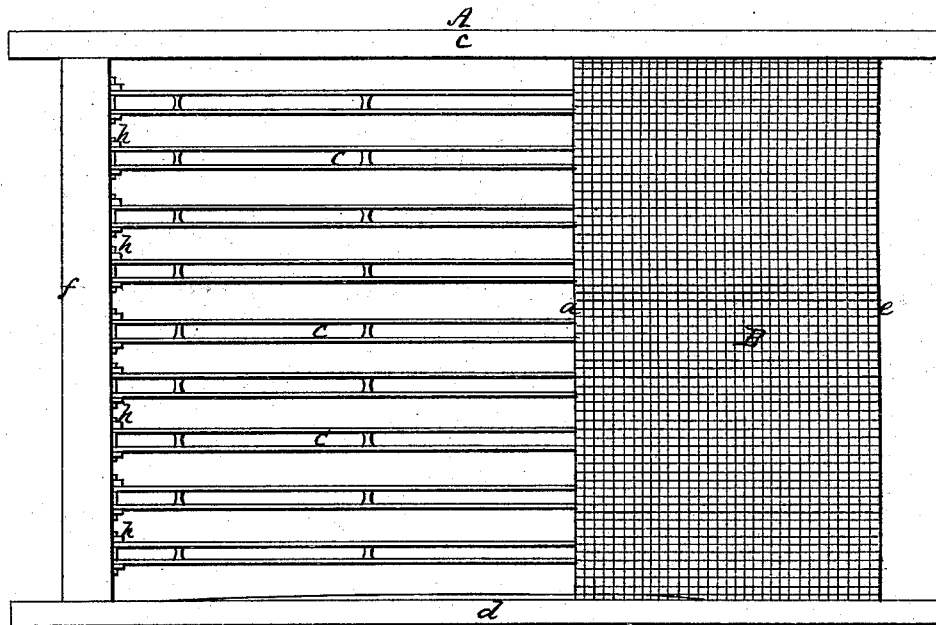
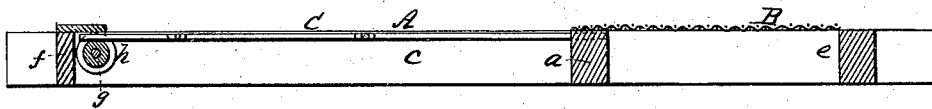


*C. B. Tucker,*  
*Bed Bottom,*  
*No. 47,757, Patented May 16, 1865.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*T. R. Hale Jr.*  
*H. O. Fisher.*

*Inventor*  
*Charles B. Tucker*

*by his attorney*

*R. H. Eddy*

# UNITED STATES PATENT OFFICE.

CHARLES B. TUCKER, OF CAMBRIDGEPORT, MASSACHUSETTS.

## IMPROVED BED-BOTTOM.

Specification forming part of Letters Patent No. 47,757, dated May 16, 1865.

*To all whom it may concern:*

Be it known that I, CHARLES B. TUCKER, of Cambridgeport, in the county of Middlesex and State of Massachusetts, have invented an Improved Spring Bed-Bottom; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a longitudinal section, of it.

In such drawings, A denotes a rectangular frame, composed of four bars, *c d e f*, and having a girt or bar, *a*, extending across it at a distance from one end of it equal to about one-third or one-fourth of its length. A sacking, B, made of woven wire or canvas, covers the space between the bar *a* and the inner bar, *e*, of the frame. On a rod, *g*, extending across the frame from the bar *c* to the bar *d*, and near to the bar *f*, I arrange a series of grooved rollers, *h h h h*, they being kept at equal distances apart by shoulders formed on the rod. Each one of the said rollers supports one of a series of slats or spring-bars, C C C. Such slat or bar, at or near one end of it, rests directly on the roller, the other extremity of such spring-bar being fastened in or to the cross-bar *a*. Each of the spring-bars C, as represented in the

drawings, is constructed of two steel wires disposed parallel to one another at a short distance apart, and united together by two or any other suitable number of cross-bars, the same being as shown in Fig. 1.

From the above it will be seen that each spring has one free end and one fixed or stationary end, and that when a weight is placed on the spring so as to depress it, such spring while being bent will cause its bearing-roller to turn more or less on its rod. The roller relieves the spring of the friction, wear, and noise which would be likely to result were the free end of the spring to rest on a stationary surface.

A spring bed bottom so made will operate to excellent advantage as a supporter to a mattress.

I claim—

The improved spring bed-bottom as constructed of the springs C C C and the rollers *h h h*, arranged and combined together and with the frame A, substantially in manner and so as to operate as hereinafter specified.

CHARLES B. TUCKER.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.