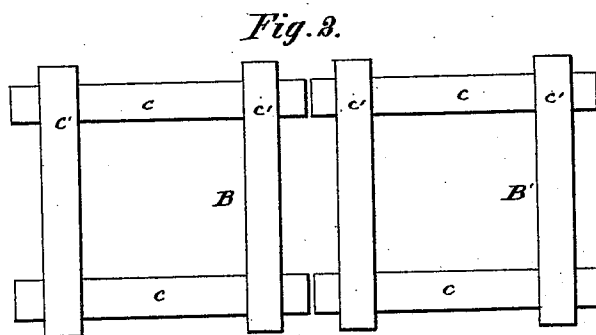
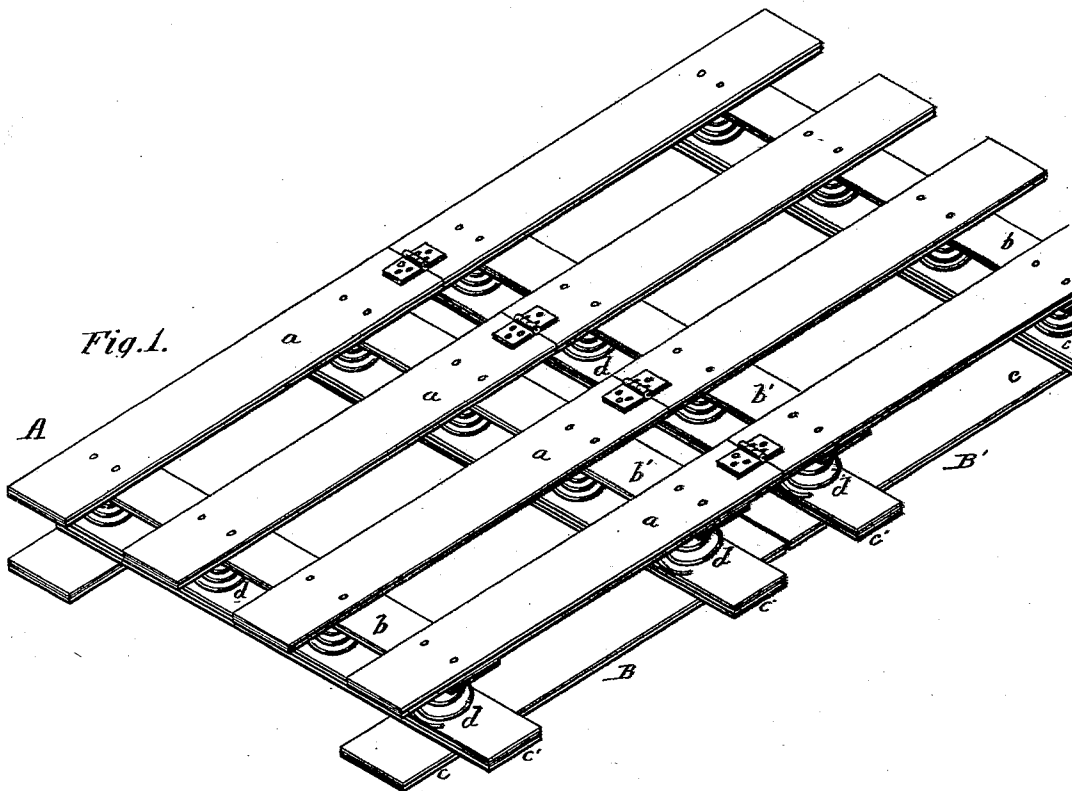


W. CHASE.
SPRING BED-BOTTOM.

No. 171,776.

Patented Jan. 4, 1876.



Witnesses:

George Thom.
Goutney, A. Cooper.

Wesley Chase
By his atty.
Charles Effoster.

UNITED STATES PATENT OFFICE.

WESLEY CHASE, OF BUFFALO, NEW YORK, ASSIGNOR TO H. F. ZIMMERMAN
& SON, OF WASHINGTON, D. C.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 171,776, dated January 4, 1876; application filed
December 21, 1875.

To all whom it may concern:

Be it known that I, WESLEY CHASE, of Buffalo, Erie county, State of New York, have invented an Improved Spring Bed Bottom, of which the following is a specification:

The object of my invention is an improved bed-bottom, which, while durable, elastic, and readily reduced in bulk for transportation, is simple, easily manufactured, and inexpensive.

On reference to the accompanying drawing, Figure 1 is a perspective view of the improved bed-bottom, and Fig. 2 a detached plan view, drawn to a reduced scale.

The upper portion or frame A of the bed-bottom consists of a series of parallel slats, *a*, resting upon and secured to four transverse strips, *b b' b'*, the said slats being either continuous, or each being divided at the center, and the top parts hinged together, as shown in the drawing. The portion A is supported by two lower frames, B B', each consisting of the four strips *c c' c'*, spiral springs *d* resting upon the strips *c'* being connected at their upper ends to their transverse strips *b b'*. While the frames B B' are of heavy material and rigid, the slats *a* are thin and flexible, as are also the transverse strips *b b'*; the slats and strips *b b'*, together with the springs, forming a yielding support for the bedding, elastic, but having sufficient rigidity to transfer the pressure placed at any one point over a greater portion of the surface.

While the upper portion or frame A is light in weight and easily handled and stowed for

transportation, after detaching the springs the lower heavier portion may also be handled with facility and compactly stowed, owing to its being divided.

When the strips *a* are hinged at the center, one half of the bottom may be turned up and laid upon the other, affording ready access to the floor beneath the bed. Where the slats are continuous the portion A will possess greater flexibility than the slats in ordinary bed-bottoms, owing to the frames B B' being at liberty to move toward and from each other as the portion A rises and falls.

As the upper portion A is comparatively rigid, it will be effectively supported by a few springs, *d*, reducing the cost of the article, which, owing to the simple character of the remaining parts, may be readily manufactured with the most ordinary facilities, and at a slight cost.

I claim—

The combination, in a bed-bottom, of the lower independent frames B B', spiral springs *d*, and upper frame A, consisting of flexible parallel slats *a* and flexible transverse strips *b b'*, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WESLEY CHASE.

Witnesses:

CHARLES E. FOSTER,
H. A. HALL.