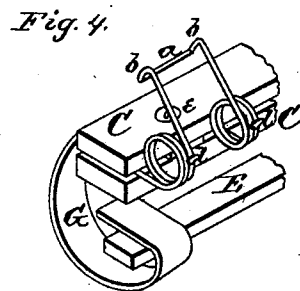
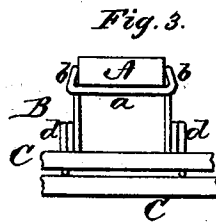
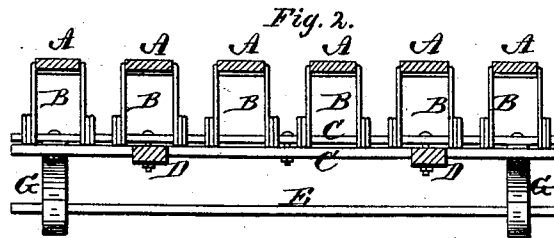
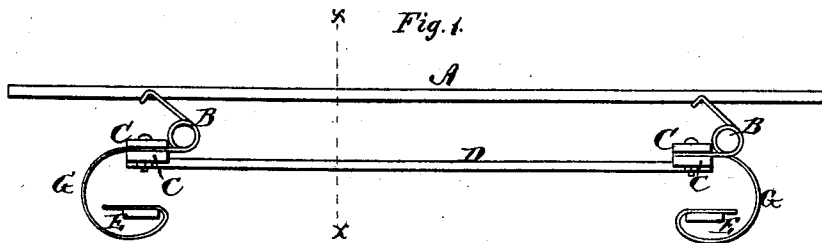


S. B. FREEMAN.
Bed-Bottoms.

No. 144,754.

Patented Nov. 18, 1873.



WITNESSES.

Henry N. Miller
C. L. Evert.

INVENTOR.

Safford B. Freeman,
Henderson Mason
Attorneys.

UNITED STATES PATENT OFFICE.

SAFFORD B. FREEMAN, OF FORT WAYNE, INDIANA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 144,754, dated November 18, 1873; application filed October 30, 1873.

To all whom it may concern:

Be it known that I, SAFFORD B. FREEMAN, of Fort Wayne, in the county of Allen and in the State of Indiana, have invented certain new and useful Improvements in Bed-Bottoms; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a spring bed-bottom, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of my bed-bottom. Fig. 2 is a transverse section of the same through line *x x*, Fig. 1. Fig. 3 is an end view of one of the slats, showing the manner of supporting the same; and Fig. 4 is a perspective view, showing one of the springs supporting the bed-bottom and one of the springs supporting the slats.

A A represent a series of slats to run lengthwise of the bedstead. Each of these slats is supported near each end by a wire spring, B, made of one piece of wire. The spring B is constructed in the following manner: The wire is left straight in the center, at *a*, for a distance a little longer than the width of the slat, and the ends bent at right angles with said straight part *a*, as shown at *b b*, for a distance equal to or a little less than the thickness of the slat. The ends are then bent downward and run straight for a certain distance, after which they are twisted to form the coils *d d*, and the extreme ends of the wire are inserted between

two bars C C, which are clamped together by screws *e e*, or other suitable means. The bends *b b* are bent inward, as shown particularly in Fig. 3, so that when the slat A is laid upon the straight part *a* of the spring, said parts *b b* clamp it and hold it in place without any other fastening. The two bars, or the double bar C C at each end of the bed-bottom, extend the entire width of the bedstead, and longitudinal bars D D connect the two double bars, as shown. In each of the double bars C C, near each end, is clamped a spring, G, made somewhat in the form of a letter C, the lower end being bent inward. This completes my bed-bottom.

In the bedstead, near each end, is placed one of the ordinary bed-slats E, and the springs G G are hooked on the same in the manner shown in Figs. 1 and 4, the springs passing under said slats and up to the double bars C.

When pressure is brought to bear on the bed-bottom the springs G G assume the shape nearly of the letter O.

This bed-bottom is perfectly noiseless, is easily put in the bedstead, and removed when desired. The bars C being double, very light stuff may be used in the manufacture.

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

The combination of the slats A A, wire springs B B, double bars C C, and C-shaped springs G G, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of October, 1873.

S. B. FREEMAN.

Witnesses:

C. L. EVERT,
A. N. MARR.