

S. STOUT.
Spring-Beds.

No. 139,627.

Patented June 3, 1873.

Fig. 1

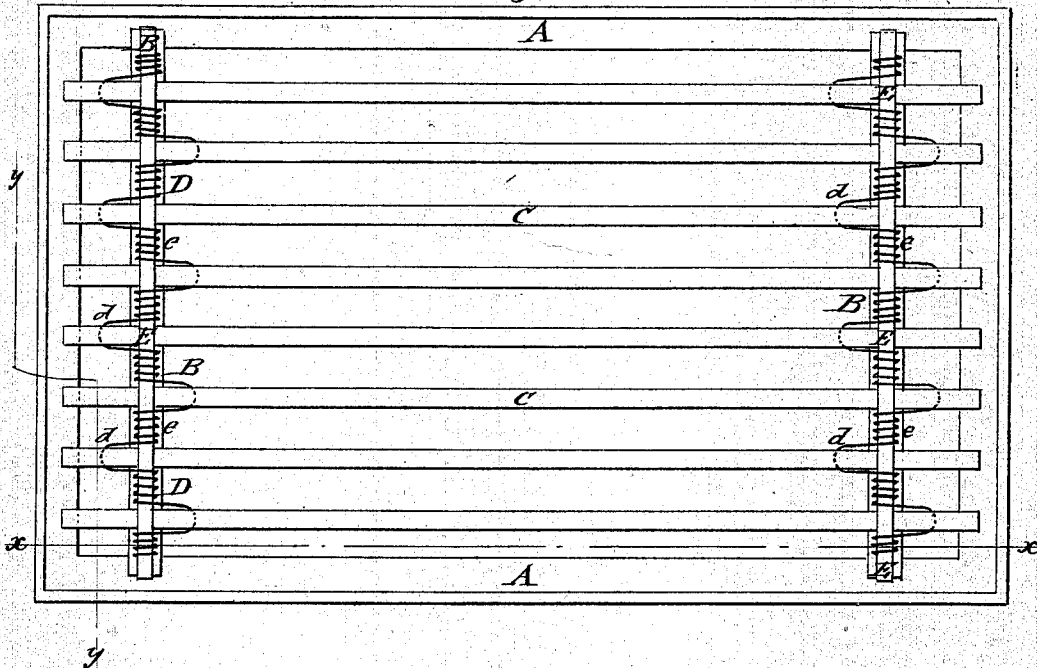


Fig. 2

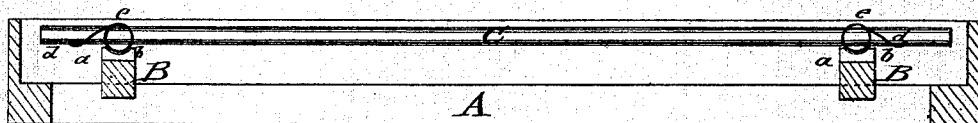


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

STEPHEN STOUT, OF TREMONT, ILLINOIS.

IMPROVEMENT IN SPRING-BEDS.

Specification forming part of Letters Patent No. **139,627**, dated June 3, 1873; application filed May 10, 1873.

To all whom it may concern:

Be it known that I, STEPHEN STOUT, of Tremont, in the county of Tazewell and State of Illinois, have invented a new and Improved Spring-Bed, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a plan view of my improved spring-bed; Fig. 2, a vertical longitudinal section of the same, on the line *xx*, Fig. 1; Fig. 3, an end view, partly in section, on line *yy*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to construct a cheap and durable spring-bed, which is very effective in use, but of simple construction. My invention consists of grooved lateral supports for double-acting spiral-springs, which are connected by slats or cane-pieces, and held in position by straps passing through the springs.

In the drawing, A is the outer frame of the spring-bed; B, the lateral supporting-pieces, which are applied suitably to the sides of the frame. The upper part of piece B is alternately supplied with longitudinal recesses *a*, of the shape and size of the slats or cane-pieces C and transverse grooves *b* for resting spiral springs D therein. The slats or cane-pieces C may be made in the usual manner, of round or other shape, but preferably the elastic cane of the American bamboo may be used, on account of its cheapness and avail-

ability. The recesses *a* are of semicircular shape, to correspond with the shape of the cane. The continuous double-acting spring D is bent of strong wire, with U-shaped extensions, *d*, alternately projecting to one side and the other of supports B, each spiral spring *e* also alternating with extensions *d*, on which the cane-slats C rest. The ends of the continuous spring arrangement D are applied firmly to cross-pieces B, which secures the unchanged position of the spiral springs in grooves *b*. A strong cord or strap, E, riveted or otherwise connected to the ends of pieces B, passes through each spring and over slats C, holding them securely in their proper places, forming an elastic and durable spring-bed.

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

1. The lateral cross-piece B having alternating recesses *b* and grooves *a* for slats C and springs *e*, substantially as described.
2. The continuous double-acting spring D, with alternating extensions *d* and spiral springs *e*, substantially as specified.
3. The combination of the subject-matter of the foregoing clauses, with cord or strap E, slats C, and frame A, substantially as and for the purposes described.

STEPHEN STOUT.

Witnesses:

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