L. GLORE.

BED SPRING.

APPLICATION FILED AUG. 26, 1908.

917,585. **Patented Apr. 6, 1909.**

Fig. 1

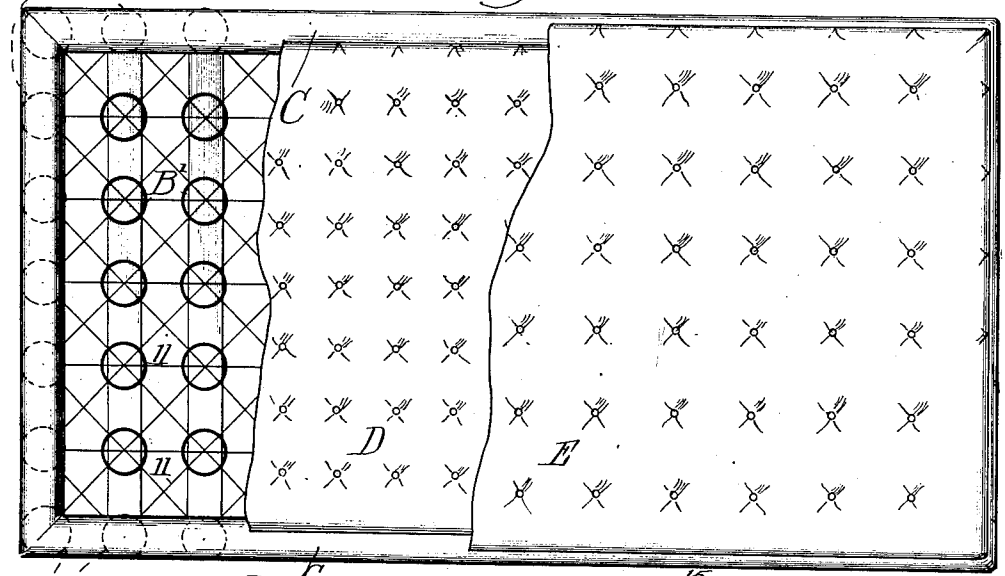


Fig. 2

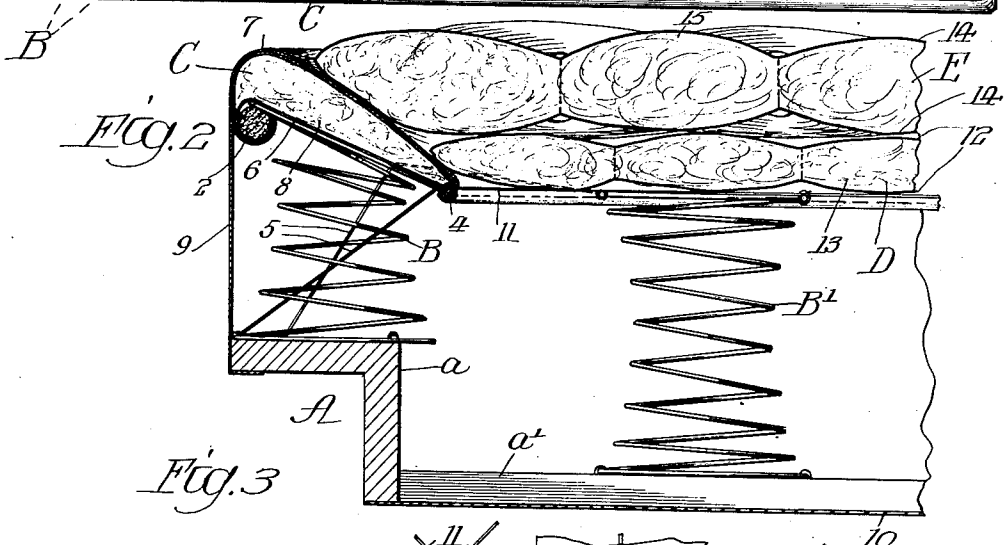
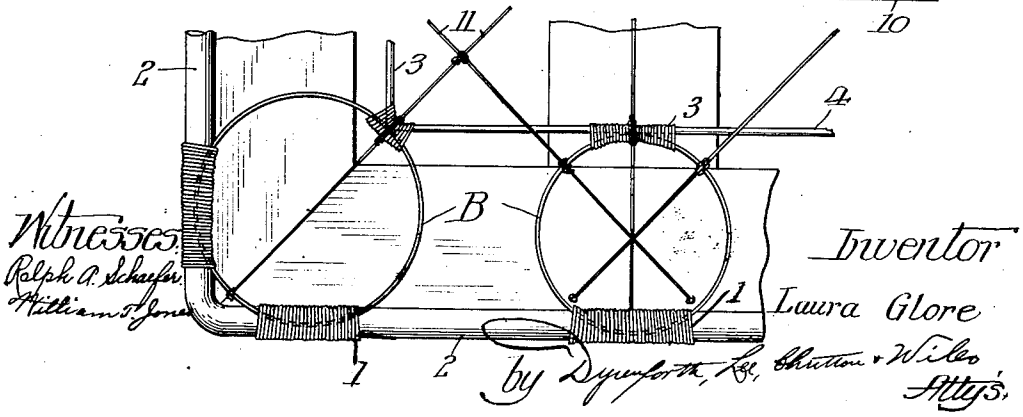


Fig. 3



Witnesses:
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UNITED STATES PATENT OFFICE.

LAURA GLORE, OF CHICAGO, ILLINOIS.

BED-SPRING.

No. 917,585. Specification of Letters Patent. Patented April 6, 1909.

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To all whom it may concern:

Be it known that I, LAURA GLORE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bed-Springs, of which the following is a specification.

My invention relates particularly to box-springs for beds; and my primary object is to provide a thoroughly practicable and durable construction of box bed-spring capable of being readily thrown open for the purpose of airing, cleaning and inspecting.

The invention is illustrated in its preferred embodiment in the accompanying drawing in which:—

Figure 1 represents a broken plan view of a box bed-spring constructed in accordance with my invention; Fig. 2, a broken vertical sectional view of the same; and Fig. 3 a fragmentary view illustrating the frame and spring construction.

In the construction illustrated, A represents the frame of my improved box bed-spring; B, B the marginal rows of springs; B^1 the intermediate springs; C a marginal pad upholstered on the marginal rows of springs; D a mattress-protecting pad removably supported on the springs; and E, a mattress removably supported on the pad D and confined against shifting by the marginal pad C.

The frame A may be of any suitable construction. Preferably it comprises the usual angle-form marginal base member *a* and transverse slats a^1, the horizontal flange of the member *a* supporting the marginal rows of coil springs, and the slats a^1 supporting the intermediate coil springs. Connected with the outer peripheral portions of the upper rings of the marginal rows of coil springs, as by wrappings 1, is a bamboo rod 2 forming an outer marginal rectangular binding for the marginal rows of springs; and connected with the inner peripheral portions of the upper rings of the marginal rows of springs as by bindings 3, is a wire 4, bent into rectangular form and forming an inner binding for the marginal rows of springs. The marginal rows of springs have their top portions tilted downwardly and inwardly, being secured in that position, as by lacings 5, thus affording an inwardly inclined base for the marginal pad C. The pad C is formed by folding a strip of canvas upon itself to afford plies 6 and 7, the edge portions of which are connected with the bamboo rod 2 and the wire 4. The plies are separated and the space filled with a suitable pad material 8, the padding being thickened at the outer portion, so as to preserve and accentuate the incline of the upper surface of the marginal pad. A ply of duck or tick material 9 is connected with the outwardly turned horizontal flange on the frame-member *a* and extended upwardly and over the marginal pad C and sewed or suitably joined to the ply 7 of canvas adjacent to the wire 4. The bottom of the box-frame is inclosed by a ply of canvas or other suitable material 10.

The tops of the intermediate coil-springs are connected together and with the marginal rows of springs, as by lacings 11. The mattress-protecting pad D, which may be a thin pad, comprises plies of material, such as duck or ticking 12, separated by padding material 13 which may be of moss. The mattress E is relatively thick and comprises plies 14 of suitable material, such as duck or ticking, and a filling 15, which may be of hair or moss according to the desired grade of the article.

The marginal portions of the inner, or mattress-protecting pad, D, contact with the inclined or beveled surfaces of the marginal pad C adjacent to the wire 4; and the marginal portions of the mattress E contact with the inclined surfaces of the marginal pad C, as clearly shown in Fig. 2 and the upper surface of the pad E is substantially flush with the upper outer corner of the marginal pad C. The edge-portions of the mattress E taper somewhat, as shown in Fig. 2, so that the mattress will lie smoothly within the depression, or basin, which accommodates it, that is the depression which extends above the pad D and within the perimeter formed by the marginal pad C.

When the pad D and mattress E are in their proper places, the whole construction presents the appearance of an ordinary box bed-spring. When desired, however, the mattress and pad may be thrown back, or wholly removed, to enable the interior of the box-spring to be aired and cleaned. It is to be observed that the construction provides against any pad-forming material remaining loose or unconfined, thus avoiding the uncleanly and unsanitary conditions present in ordinary box-spring construction. Moreover, the marginal pad forms the basis for a comfortable seat at the edge-portions of the

box-spring, which is a desirable feature, it being observed that the bamboo rod 2 and the inner marginal wire 4 connected with the marginal rows of springs are, in practice, separated by a space of about four inches. Furthermore, the construction permits access to the interior of the box-spring for the purpose of repairing the same.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation is to be understood therefrom.

What I regard as new and desire to secure by Letters Patent is—

1. A box-spring comprising a rectangular frame adapted to rest removably on a bedstead and having its lower portion provided with spring-supporting bars, marginal rows of springs mounted on said frame, inner and outer marginal rods connected with the tops of said marginal springs, intermediate springs mounted on the bars of said frame, a marginal pad upholstered on said marginal rods and the tops of said marginal rows of springs in the form of a hollow rectangle, fabric inclosing the springs at the sides and ends of the structure from the marginal pad to the frame, fabric inclosing the bottom of the frame, the structure being left open at the top, and a removable mattress supported on said springs and having its edge-portions contacting with said marginal pad.

2. A box-spring comprising a rectangular frame adapted to rest removably on a bedstead, coil-springs mounted thereon, a marginal pad surmounting the marginal rows of springs and forming a hollow rectangle, fabric inclosing the sides of the structure from the marginal pad to the frame, a mattress-protecting pad loosely mounted on the intermediate springs within the marginal pad, and a mattress loosely mounted on said mattress-protecting pad and having its edge-portions contacting with said marginal pad, said intermediate springs being uncovered beneath said pad, whereby access to the interior may be had by moving the mattress and pad.

3. A box-spring comprising a rectangular frame adapted to rest removably on a bedstead and provided with cross-bars, marginal rows of springs mounted on said frame and having inwardly-inclined tops, a marginal pad upholstered on the tops of said marginal rows of springs and presenting a hollow rectangular form with an inwardly and downwardly inclined upper surface, fabric inclosing the sides of the structure from the marginal pad to the frame, intermediate springs supported on the cross-bars of the frame, and a mattress supported on said intermediate springs and having movable edge-portions contacting with said marginal pad and permitting access to the interior of the box-spring, said intermediate springs being without a permanent covering, for the purpose set forth.

4. A box-spring comprising a rectangular frame adapted to rest removably on a bedstead, marginal rows of springs mounted thereon and having inwardly inclined tops, an outer marginal rod connected with the outer portions of the upper rings of said springs, an inner marginal rod connected with the inner portions of the upper rings of said springs, a marginal pad mounted on said springs and secured to said rods and forming a hollow rectangle, intermediate springs supported on said frame, fabric inclosing the sides of the structure from the marginal pad to the frame, fabric inclosing the bottom of the structure, the structure being left without permanent covering at the top, and a removable mattress supported on said intermediate springs and having its edges contacting with said marginal pad, for the purpose set forth.

LAURA GLORE.

In presence of—
L. KIRKLAND,
A. U. THORIEN.