(No Model.)

W. L. GILLETTE.

BED SPRING.

No. 471,500. Patented Mar. 22, 1892.

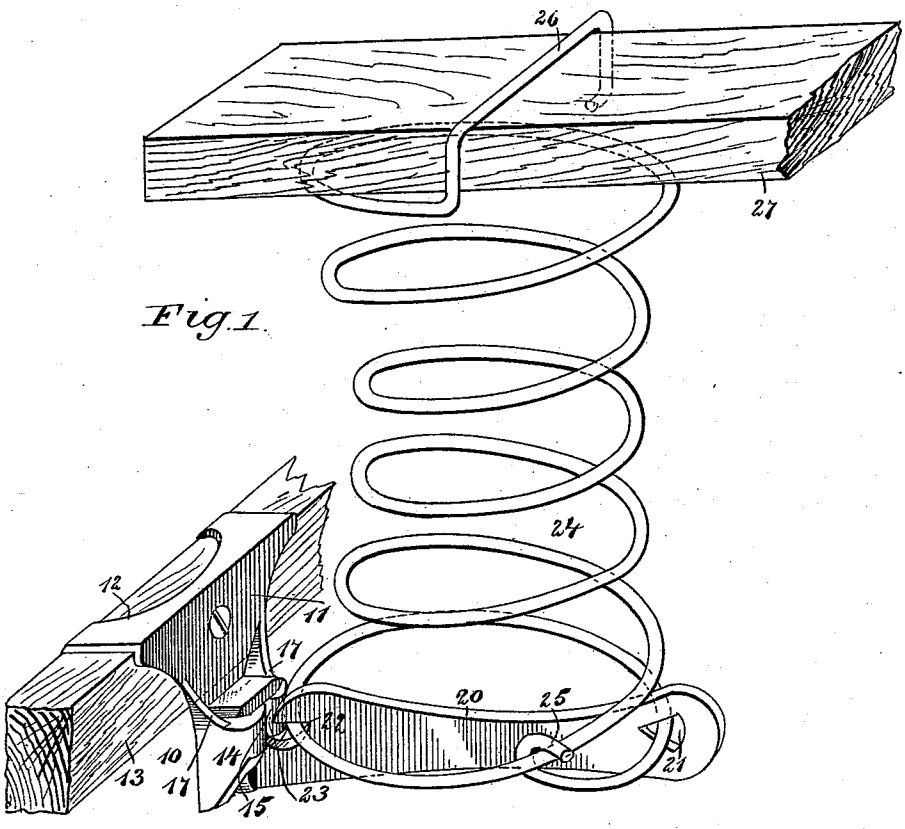

Fig. 1.

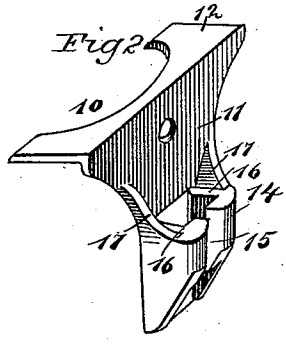

Fig. 2.

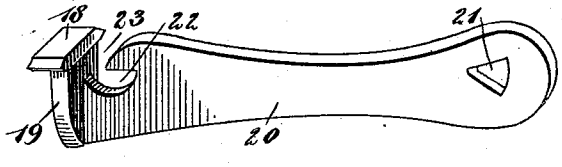

Fig. 3.

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WILBUR L. GILLETTE, OF YALESVILLE, ASSIGNOR OF ONE-HALF TO SHERMAN D. JOHNSON, OF WALLINGFORD, CONNECTICUT.

BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 471,500, dated March 22, 1892.

Application filed October 28, 1891. Serial No. 410,090. (No model.)

To all whom it may concern:

Be it known that I, WILBUR L. GILLETTE, of Yalesville, in the county of New Haven and State of Connecticut, have invented a new and Improved Bed-Spring, of which the following is a full, clear, and exact description.

My invention relates to improvements in bed-springs and their supports; and the object of my invention is to produce a simple form of spring and support which is extremely cheap and durable and which may be attached to any ordinary bedstead-rail in a manner to support the bedstead-slats and form a cheap, simple, and easy spring-bed.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of my specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a broken perspective view showing my invention as applied to a support and carrying a bed-slat. Fig. 2 is a detail perspective view of the bracket, which is secured to the rail of the bedstead; and Fig. 3 is a detail perspective view of the bracket-arm.

The base or support of the spring consists of a bracket 10, which has a wall-plate 11, adapted to fit against the rail of the bedstead, and which has a top flange 12, adapted to rest upon the top of a bedstead-rail. In the drawings I have shown this plate 11 secured to a support 13, which may represent a rail; but in practice the bracket is secured in the notches of the rail where the bedstead-slats are usually inserted.

The wall-plate 11 is preferably provided with a screw-hole, as shown in the drawings, so that a screw may be inserted to prevent its displacement. The lower end of the wall-plate 11 terminates in a keeper 14, which is produced on the front side of the plate, and which has in its front side an open vertical slot 15 to permit the insertion of the bracket-arm, and has at the top shoulders 16, which are included between the upper extensions 17 of the side walls of the keeper. These shoulders 16 of the keeper are adapted to support the top flange 18 of the head 19 of the bracket-arm 20, and the keeper is of such a size that the head 19 will fit snugly in the keeper and the flange 18 will rest upon the shoulders 16 and be held between the upper portions 17 of the side walls of the keeper.

The main bracket-arm 20 is of a thickness to fit nicely in the slot 15 of the keeper, and it is provided with a hole 21 at its outer end, adapted to receive the wire of the bed-spring, and at its inner end with a notch 22, also adapted to receive the bed-spring wire, and the notch 22 is entered by a slot 23, opening from the upper inner end of the arm. The width of the slot 23 permits the easy insertion of the wire of the spring 24, and when the arm 20 is in place in the keeper, as shown in Fig. 1, the slot 23 will be partially closed by the walls of the keeper, so that the spring cannot be removed except by removing the arm 20.

The spring 24 is a common form of spiral bed-spring, except for its peculiar adaptation for this particular support, and to support it upon the bracket the lower end of the spring wire is passed through the hole 21, and the free end of the wire is then doubled over an adjacent portion of the spring, as shown at 25 in Fig. 1, to prevent the spring's displacement. The opposite portion of the lower coil of the spring is then snapped into the notch 22 of the arm 20, and the arm is inserted in the keeper 14 of the bracket 10. This will cause the spring to be firmly supported in a vertical position.

The upper free end of the spring 24 is doubled to form a keeper 26, which keeper is shaped so as to easily receive a slat 27 of the bed; but the keeper should have spring enough so that it will press downward upon the slat and prevent its too easy displacement.

When the springs are to be used, the brackets 10 are secured at convenient distances apart on opposite rails of the bed, the springs 24 are secured in the brackets, as described, and the slats 27 are secured in the upper ends of the springs, thus forming a simple and easy bed, and it will be readily seen that the bed may be quickly taken apart and almost as easily put together.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. In a device of the character described, a bracket comprising a wall-plate provided at its upper edge with an outwardly-projecting supporting-flange 12 and on its inner side at its lower end with a socket open at its upper end, and the arm 20, having a head at its inner end, adapted to seat downwardly in the socket and provided adjacent to its head with an undercut recess 22, the upper wall of which serves to prevent upward movement of the spring, the free end of the arm having a transverse aperture 21 to receive the spring, substantially as set forth.

2. In a bed-spring, the bracket having a horizontally-projecting spring-supporting arm, provided at its forward end with a transverse aperture 21 and at the inner end of its upper edge with an undercut recess 22, the upper wall of which serves to prevent upward movement of the spring, substantially as set forth.

3. In a device of the character described, a bracket comprising a wall-plate having a slotted keeper at its lower end, which keeper has shoulders at the top, and a horizontally-extending arm adapted to be supported in the keeper, said arm having at its inner end a head to fit the keeper and a flange to rest on the shoulders of the keeper, the arm having, also, means for attachment to a bed-spring, substantially as described.

4. In a device of the character described, the bracket comprising a wall-plate having a top flange and a keeper at its lower end, which keeper is provided with an open vertical slot in front and with top shoulders, and a horizontally-extending arm having means for attachment to a spring and having at its inner end a head to fit the keeper and a flange to rest upon the shoulders of the keeper, substantially as described.

5. The combination, with the attaching-bracket having on its inner face a vertically-extending socket or keeper open at its upper end, and the horizontal arm having a head at its inner end removably inserted in said socket or keeper from above, a transverse aperture through the outer end of the arm, and an undercut recess in the upper edge of the arm adjacent to said head, of a spiral spring the lower coil of which passes through the said aperture and recess, with its extremity secured, as at 25, substantially as set forth.

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