E. W. POLAND.

MATTRESS RETAINER.

APPLICATION FILED SEPT. 18, 1913.

1,090,875. Patented Mar. 24, 1914.

Fig. 1.

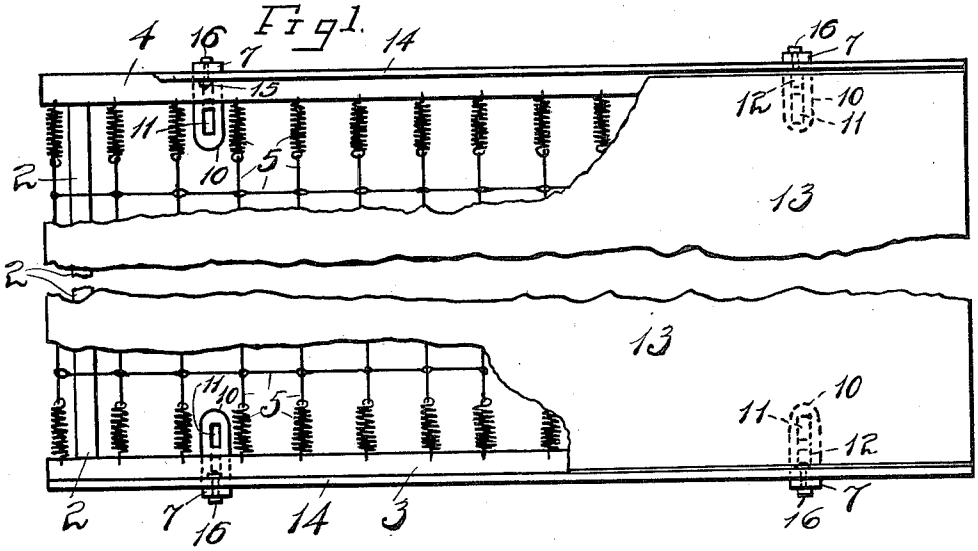


Fig. 2.

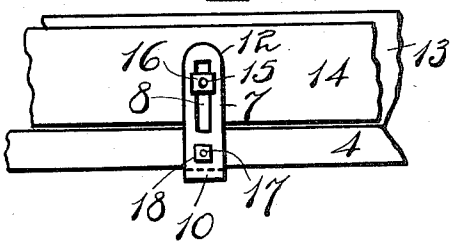


Fig. 3.

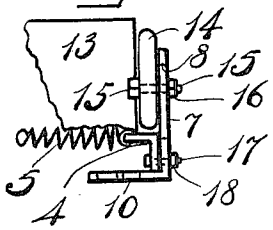


Fig. 4.

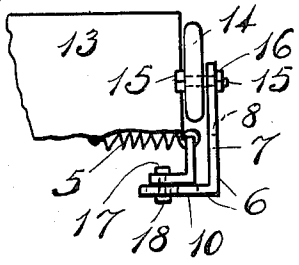
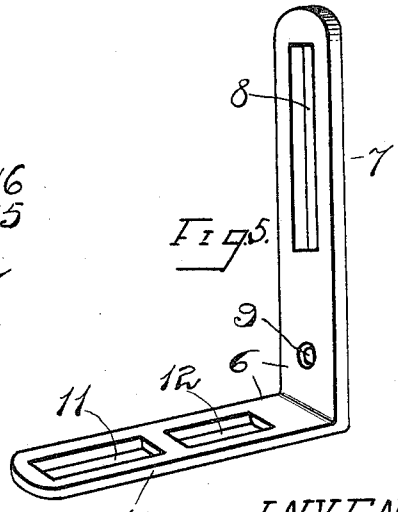


Fig. 5.



WITNESSES:
B. S. Lyon.
C. S. Richards.

INVENTOR:
E. W. Poland,
By H. M. Richards,
Atty.

UNITED STATES PATENT OFFICE.

EPHRAIM W. POLAND, OF GALESBURG, ILLINOIS.

MATTRESS-RETAINER.

1,090,875. Specification of Letters Patent. Patented Mar. 24, 1914.

Application filed September 18, 1913. Serial No. 790,473.

To all whom it may concern:

Be it known that I, EPHRAIM W. POLAND, a citizen of the United States, and a resident of Galesburg, in the county of Knox and State of Illinois, have invented a new and useful Mattress-Retainer, of which the following is a specification.

Bed mattresses, especially when used in connection with metallic beds and springs, have a tendency to work down toward the foot of the bed. The sheets, mattress and bed covers are then frequently caught by portions of the bedstead or the springs and torn thereby, especially when the maid is removing the covers. Again, the mattress must be replaced each time the bed is "made up," and this also endangers it, as it is the usual custom, especially in hotels etc. to draw the mattress back by sliding it over the springs, on which it frequently catches and tears. Also, the sliding of the mattress necessitates its being drawn back before the bed can be remade and the covers dropped down between the foot thereof and the bed-spring-frame.

To provide simple means for preventing the mattress from slipping either downwardly or upwardly constitutes the primary object of the invention.

That the retainer parts be of such nature that they are readily adaptable and securable to bed-spring frames varying greatly both in their structural peculiarities and arrangement is another object.

That the device be strong, simple, durable, inexpensive of manufacture, efficient, and unobtrusive as regards its appearance in use, is a prime factor.

In the accompanying drawing all my improvements are shown as embodied in a preferred and a modified manner. Some of these constructions may vary in structural peculiarities, disposition, arrangement and assemblage from what I have shown. I therefore desire to be understood as claiming all such advantages as arise out of or are enforced by any similar devices or which may accrue from combinations thereof.

In said drawings:—Figure 1 is a top plan, showing my improvements attached to a bed-spring frame on which a mattress is laid in proper position; the figure being broken in two; Fig. 2, a rear elevation, a fragmental detail; Fig. 3, a detail, seen from the side of the bed spring, but an edge view of my improvements; Fig. 4, a similar view, showing the improvements secured to a spring-frame somewhat different from the one shown in Fig. 3; and Fig. 5, an enlarged perspective view of the bracket.

Coming now to a detailed description of the drawings, and uniformly employing the same reference character to designate the same part in the different figures, 2 represents the side, and 3, 4, respectively the head and foot frame bars of a metallic bed spring, of which 5 designates the body. These may be of any suitable structural character and constitute no part of my invention excepting only as they enter into combinations therewith.

13 designates a mattress.

6 indicates an L-shaped bracket preferably provided in one of its arms, 7, with an elongated slot 8 and an aperture 9, and in its other arm, 10, with a pair of slots 11, 12.

14 is a cross-piece or retainer-strip which may be of any suitable material and construction, and is provided with transverse apertures for the passage of the shanks of bolts 15 by which it may be secured to the bracket 6, said bolts being adapted for selective engagements with the openings therein.

16 are securing nuts.

17 is a bolt and 18 a nut, by which means the bracket 6 is secured to the spring-frame, suitable apertures being provided in the frame bars, when necessary, for the reception of said bolt.

In Fig. 4 I have shown the bracket 6 as secured to a frame-bar differing in arrangement from the one shown in Fig. 3. I have not, however, deemed it either necessary or best to encumber this specification and the accompanying drawings with descriptions and illustrations of the practically unlimited number of structural modifications of both the spring-frame and of my improvements, considering, as I do, that all such will be comprehended in the claims hereof, wherein the omission of an element or the non-inclusion of reference to the detail features of the elements referred to is intended as a formal declaration of the fact that the omitted elements or features are not essential to the invention covered by that claim.

The retaining-plate (by which term I comprehend any suitable cross piece 14) is secured to either arm of the bracket 6 by the means 15—16 or in any other suitable

manner, and said bracket is secured to any suitable part of the spring-frame by the means 17—18 or in any other suitable manner. The mattress 13 is placed to abut the plate 14 as shown and will be prevented thereby from creeping. The counterpane etc. may be drawn over the attachments and tucked down between them and the foot-piece of the bedstead. It will be evident that the bolt 15 is adapted for selective engagements with either the slot 8 or the aperture 9; that the bolt 17 is adapted for similar engagements with either slot 11 or 12, and that the arms of the bracket 6 are reversible—*i. e.*, either arm may be engaged with either the plate or the spring-frame.

Having thus described my invention and having set forth its purposes, operation and advantages, what I claim as new and desire to secure by Letters Patent is:—

1. The combination with a bedspring frame, of an L-shaped bracket the horizontal arm of which is adapted to pass beneath said frame, means for securing it thereto, a mattress-retaining plate secured to the vertical arm of said bracket, and means for effecting such engagement.

2. In combination with a bedspring frame, a bracket securable thereto and adjustable longitudinally thereof, and a mattress-retaining plate securable to said bracket and adjustable vertically thereon.

3. In combination with a bedspring frame-bar having a horizontal and a vertical arm, a bracket having similar arms, means for connecting the horizontal arms of said elements slidably together in such manner that the bracket may move horizontally transversely of the frame-bar, and a mattress-retaining plate carried by the bracket and movable vertically thereon.

4. The combination with an end frame-bar of a bedspring frame, of a pair of brackets disposed intermediate its ends and arranged for movements transversely of said bar, means for securing said brackets after such movements, and a mattress-retaining plate movable vertically on and with reference to said brackets.

5. In combination with a bedspring frame, an L-shaped bracket the horizontal arm of which is secured to said frame and the vertical arm of which rises above it, and a mattress-retaining plate carried by said vertical arm and its upper edge lying in a horizontal plane relatively much higher than said frame.

In testimony whereof I hereunto affix my signature.

EPHRAIM W. POLAND.

In presence of—
H. M. RICHARDS,
WEBB A. HERLOCKER.