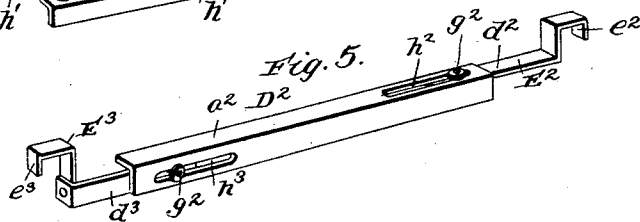
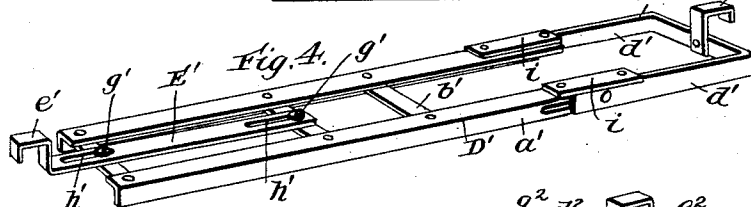
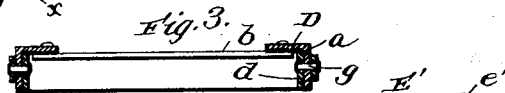
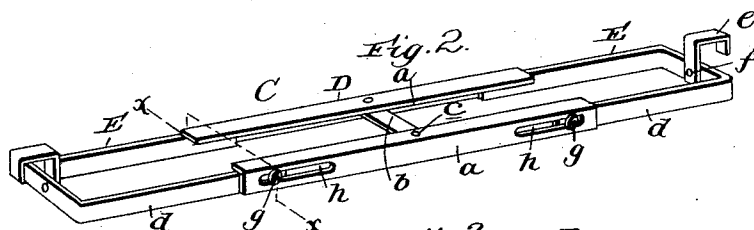
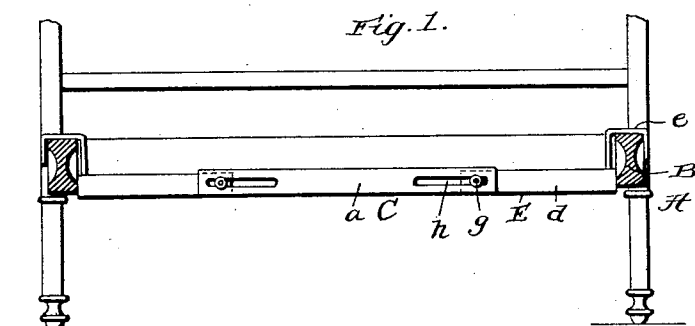


(No Model.)

J. B. RYAN & E. R. WEBER.
BED SLAT.

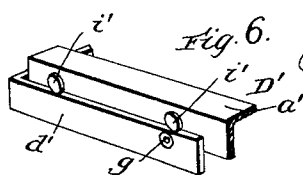
No. 587,864.

Patented Aug. 10, 1897.



Witnesses:

Chas. L. Linder
Wm. A. Jones



Inventors
J. B. Ryan & E. R. Weber
By *James J. Shuchy*
Attorney

UNITED STATES PATENT OFFICE.

JAMES B. RYAN AND EDWIN R. WEBER, OF NEW YORK, N. Y., ASSIGNORS TO
THE NEW YORK WOVEN WIRE MATTRESS COMPANY, OF SAME PLACE.

BED-SLAT.

SPECIFICATION forming part of Letters Patent No. 587,864, dated August 10, 1897.

Application filed April 20, 1897. Serial No. 633,038. (No model.)

To all whom it may concern:

Be it known that we, JAMES B. RYAN and EDWIN R. WEBER, citizens of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Bed-Slats; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in that class of slats or bed-bottom supports for metal bedsteads which are formed entirely of metal, are adjustable to fit bedsteads of various widths, and are provided with hangers at their ends to engage the side rails of the bedsteads; and it has for its general object to provide a very simple and strong slat or bed-bottom support possessing the characteristics mentioned and one which is formed entirely of a minimum number of sheet-metal strips and connecting-rivets and which is consequently very cheap and easy to make without the aid of machinery.

With the foregoing ends in view the invention will be fully understood from the following description and claims when taken in conjunction with the annexed drawings, in which—

Figure 1 is a transverse section of a metal bedstead with one of our improved slats or bed-bottom supports in its operative position thereon. Fig. 2 is a perspective view of the slat or support removed from the bedstead. Fig. 3 is an enlarged transverse section taken in the plane indicated by the line *xx* of Fig. 2. Figs. 4, 5, and 6 are perspective views of modifications hereinafter to be referred to.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 3 thereof, A indicates the posts, and B the side rails, of an ordinary metal bedstead. C indicates our improved slat or bed-bottom support, which is formed entirely of strips or straps of sheet metal and rivets. This slat or support comprises a middle body D and extensible end sections E, as better shown in Figs. 2 and 3. The middle body D is formed by the parallel angle-irons *a*, which have their horizontally-disposed portions uppermost, and the middle

cross-bar *b*, which is fixedly connected by rivets *c* to the horizontal portions of the angle-irons *a*, while the extensible end sections E are respectively formed by a vertically-disposed strap *d*, bent into U shape, and a strap *e*, bent to form a hook-shaped hanger and connected to the middle of the strap *d* by a rivet *f*. The parallel branches of the U-shaped straps *d* of the extensible end sections E rest between and closely adjacent to the vertically-disposed portions of the angle-irons *a* of the body D, and they are connected to said angle-irons by rivets or bolts *g*, the shanks of which rest within longitudinal transversely-disposed slots *h*, formed in said vertically-disposed portions of the angle-irons, as shown in Fig. 3.

In virtue of the very simple and cheap construction described it will be observed that the end sections E may be readily drawn out of or moved into the body D to fit the slat or support to bedsteads of various widths and enable the hangers *e* to engage the side rails B in the manner shown in Fig. 1. It will also be observed that the strain imposed on the U-shaped portions *d* of the sections E is in the direction of the greatest width of the sheet-metal strap forming the same, and that the strain imposed on the body D is in the direction of the width of the vertically-disposed portions of its angle-irons *a*, and it will finally be observed that the horizontally-disposed portions of the angle-irons *a*, by preventing upward movement of the ends of the U-shaped portions *d* of end sections E, hold the said portions *d* of the sections E and the body D in strict alinement and effectually prevent any flexing or sagging when weight is imposed on the slat or support, which is an important advantage.

In Fig. 4 of the drawings we have illustrated a modification which comprises one extensible section E', similar to the sections E comprised in the construction shown in Figs. 1 and 3 and similarly connected with the angle-irons *a'* of the body D', with the exception that the branches of its U-shaped portion *d'* are arranged at the outside of the angle-irons instead of at the inner sides. This renders it necessary to provide the angle-irons with the auxiliary plates *i* or with the rivet-

heads i' (see Fig. 6) in order to prevent flexing when weight is imposed on the slat or support. The body D' comprised in the construction shown in Fig. 4 is much longer than the body D and is provided with a U-shaped extensible section at but one end. At its opposite end said body, which has a plurality of cross-bars b' , is provided with a strap E^2 , which terminates at its outer end in a hanger-hook e' for engaging the side rail of a bedstead. The said strap E^2 is provided with slots h' , and it is connected with two of the cross-bars b' of body D' by rivets g' , the shanks of which are arranged in slots h' , as shown.

The construction shown in Fig. 4 is, like that shown in Figs. 1 to 3, formed entirely of strips of sheet metal and rivets, and is consequently cheap and easily made.

In Fig. 5 we have shown a single or light slat or support which comprises a body D^2 , formed by an angle-iron a^2 , which has a slot h^2 in its horizontally-disposed portion adjacent to one of its ends and a slot h^3 in its vertically-disposed portion adjacent to its opposite end, a section E^2 , formed by a horizontally-disposed strap d^2 , which is arranged beneath the horizontally-disposed portion of the angle-iron a^2 and terminates at its outer end in the hanger-hook e^2 , a section E^3 , formed by a vertically-disposed strap d^3 , which is arranged at the inner side of the vertically-disposed portion of the angle-iron a^2 and has a hanger-hook e^3 , and rivets g^2 , connecting the end sections E^2 E^3 and the body D^2 and having their shanks arranged in the slots h^2 h^3 , as shown.

The construction of slats illustrated is such that short lengths of sheet-metal straps may be utilized in their manufacture, which is an important advantage in using up waste metal.

Having thus described our invention, what we claim is—

1. The adjustable metallic slat or bed-bot-

tom support comprising a body-section having a vertically-disposed portion and a horizontally-disposed portion, an extensible section, formed by a vertically-disposed, sheet-metal strap, arranged at the side of the vertically-disposed portion of the body-section and below the horizontally-disposed portion of the same, hangers connected with the said sections and adapted to engage the side rails of a bedstead, and a transverse rivet or bolt connecting the end section and the vertically-disposed portion of the body-section; the said rivet or bolt having its shank arranged in a longitudinal slot formed in one section, substantially as specified.

2. In the metallic slat or bed-bottom support described, the combination of the body comprising the parallel angle-irons having vertically and horizontally disposed portions and longitudinal slots in their vertically-disposed portions adjacent to their ends, and the cross-bar connecting said angle-irons, the end sections comprising the U-shaped portions formed of vertically-disposed metal straps and hangers connected to the middle of the U-shaped portions; the said U-shaped portions having their end branches arranged at the side of and closely adjacent to the vertically-disposed portions of the angle-irons and below the horizontally-disposed portions thereof, and transverse rivets or bolts connecting the angle-irons of the body and the branches of the U-shaped portions of the end sections; said rivets or bolts having their shanks arranged in the slots of the angle-irons, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

JAMES B. RYAN.
EDWIN R. WEBER.

Witnesses:

WM. JNO. BARR,
ELDRIDGE N. SMITH.