5 BEDS
195
DRAFTSMAN

No. 860,261. PATENTED JULY 16, 1907.

A. M. SOREY.

BED SPRING.

APPLICATION FILED OCT. 19, 1906.

Fig. 1.

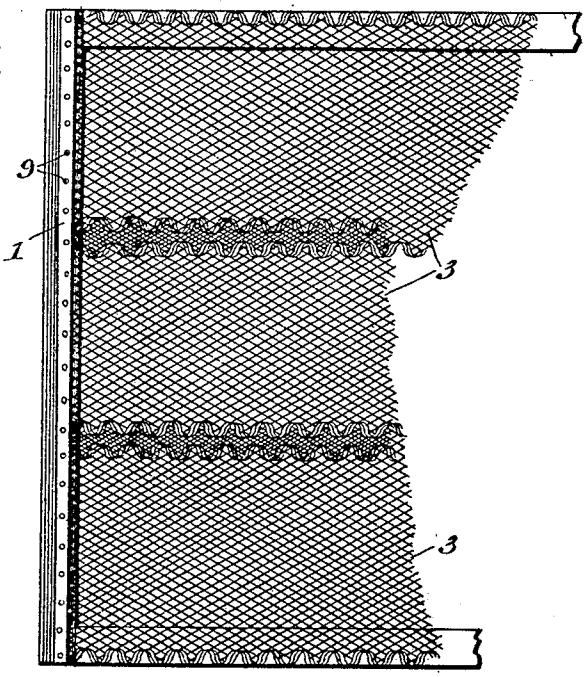


Fig. 2.

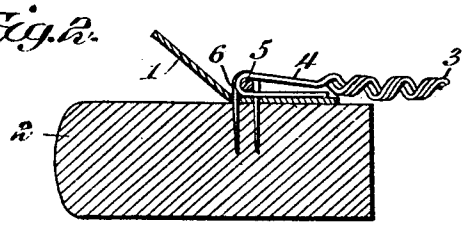


Fig. 3.

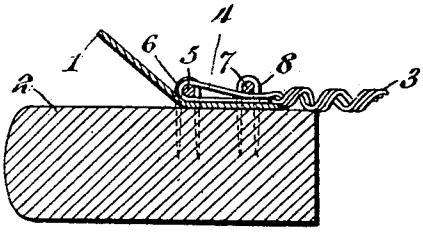
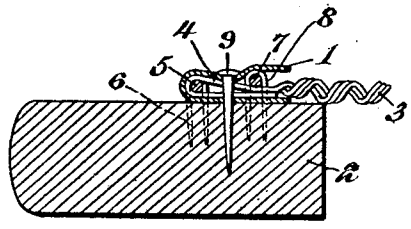


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR M. SOREY, OF CEDAR RAPIDS, IOWA.

BED-SPRING.

No. 860,261. Specification of Letters Patent. Patented July 16, 1907.

Application filed October 19, 1906. Serial No. 339,655.

To all whom it may concern:

Be it known that I, ARTHUR M. SOREY, a citizen of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented a new and useful Bed-Spring, of which the following is a specification.

The invention relates to improvements in bed springs.

The object of the present invention is to improve the construction of bed springs, more especially the means for securing the wire fabric to the frame of the bed spring, and to provide a simple, strong and sanitary metallic fastening, which will securely connect the ends of the wire fabric to the end portions of the frame, and which will exclude vermin.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a plan view of a portion of a bed spring, provided with a metallic fastening constructed in accordance with this invention. Fig. 2 is an enlarged detail sectional view, showing the fastening partially completed, the outer wire or rod being stapled to the frame. Fig. 3 is a similar view, showing another stage of the operation, the inner and outer tie rods or wires being in position. Fig. 4 is an enlarged sectional view, showing the completed fastening.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

The metallic fastening for securing the wire fabric to the frame of a bed spring is applicable to all kinds of bed springs and wire mattresses, having a supporting frame and a woven wire fabric, and although in Fig. 1 of the drawings is illustrated a portion of a bed spring having a rigid frame, yet it will be readily understood that the metal fastening is equally applicable to a bed spring, provided with an adjustable frame.

The fastening is provided with a sheet metal casing 1, which consists of a strip of sheet metal and which is first laid on the frame 2 of the bed spring. The transverse edge of the wire fabric 3 at one end thereof is bent beneath the fabric to form a fold 4, in which is arranged a metal rod or wire 5. The metal rod or wire, which may be either round or flat, is secured to the frame 2 by means of staples 6, and the latter embrace the rod 5 and pierce the wire fabric and the bottom portion of the sheet metal casing, which, when the fastening is completed, is composed of upper and lower sides and a connecting portion or bend, and which enables the fastening to present a smooth and neat appearance.

After the outer rod is stapled to the frame, an inner wire or rod 7, which may be either round or flat, is placed on the wire fabric in spaced relation to and in parallelism with the outer wire or rod 5. The said inner wire or rod is secured in place by staples, which embrace the said inner wire or rod and pierce the fabric and the lower side or portion of the casing.

The final operation in the construction of the metallic fastening consists in folding the outer side or portion of the sheet metal casing 1 inwardly over the attached portion of the fabric and securing the said outer portion of the casing in such position by nails 9, or other suitable fastening devices, which pierce the casing and the fabric, and which may be arranged between the rods 5 and 7 and also at the inner side of the inner rod.

The wires or rods are concealed within the casing, and the metallic fastening firmly secures the ends of the wire fabric to the frame of the bed spring. When one end of the wire fabric is attached to the frame, it will firmly hold the wire fabric while the stretching appliances are used to place the wire fabric under the desired tension preparatory to securing the other end of wire fabric to the frame. The wire fabric, however, may be placed under tension in any other preferred manner.

It will be seen that the metallic fastening for connecting the wire fabric of spring beds and wire mattresses to the frame or support is exceedingly simple in construction, and that the attached edge of the fabric is compactly arranged and firmly fastened, and that when the metallic casing is employed, the fastening means and the fold of the fabric are concealed.

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

1. In a fastening of the class described, the combination of a wire fabric provided with a fold, a rod arranged within the fold, a second rod arranged in spaced relation with the said rod and located exteriorly of the fold, fastening devices engaging the rods and piercing the wire

fabric, and a metallic casing receiving the fold of the wire fabric and the said rods.

2. In a device of the class described, the combination of a wire fabric provided with a fold formed by bending the edge of the fabric under the same, an outer rod located within the fold, an inner rod arranged in spaced relation with the outer rod and located upon the fold, fastening devices embracing the rods and piercing the folded portion of the fabric, a metallic casing composed of upper and lower sides and receiving the fold of the wire fabric and the said rods, and fastening devices piercing the casing and the fabric.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ARTHUR M. SOREY.

Witnesses:
E. H. MORTIMER,
GEO. E. POYNEER.