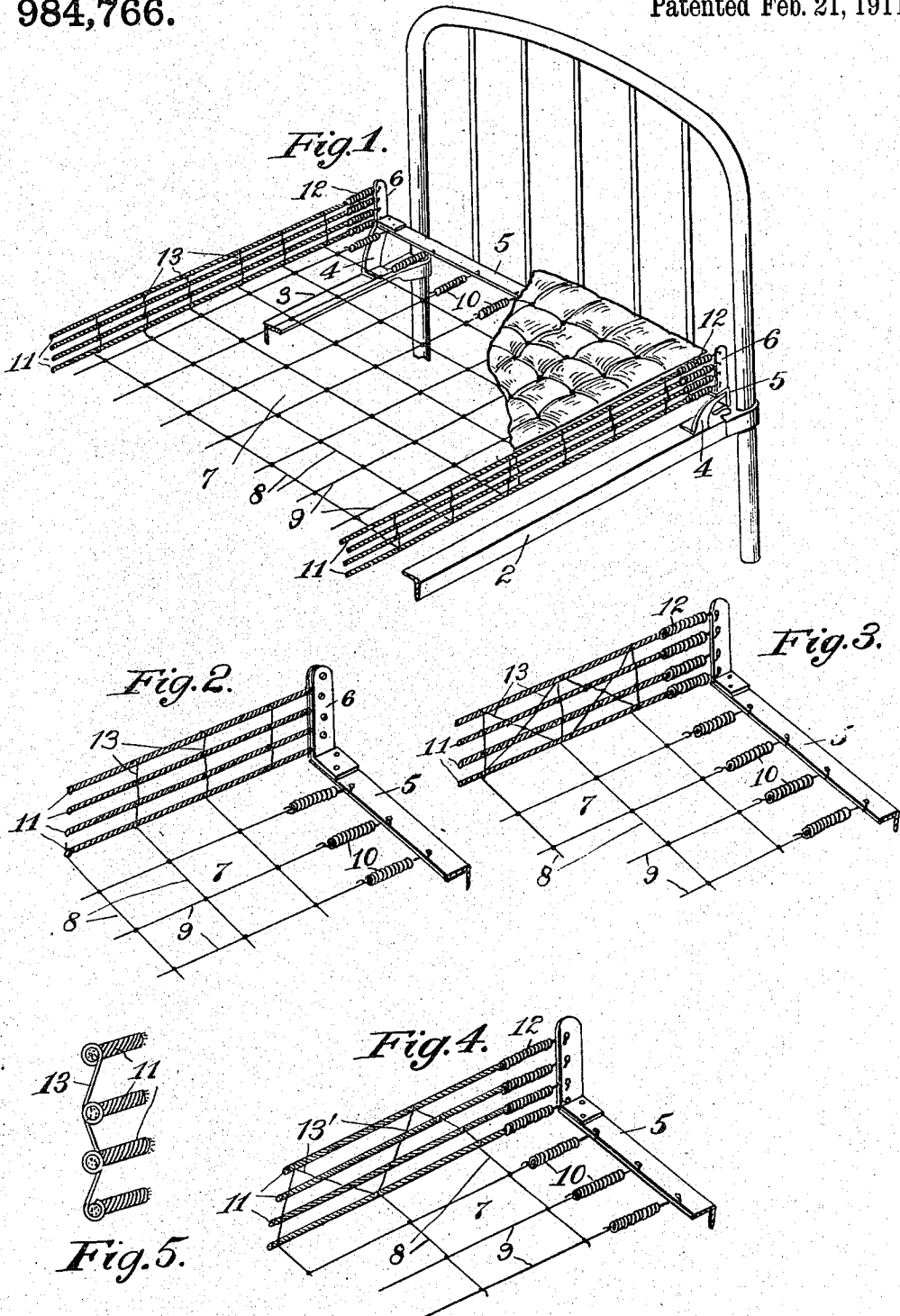


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SIDE GUARD FOR SPRING MATTRESSES.
APPLICATION FILED JUNE 22, 1910.

984,766.

Patented Feb. 21, 1911.



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UNITED STATES PATENT OFFICE.

AUGUST J. KREUZKAMP, OF NEW YORK, N. Y., ASSIGNOR TO THE ENGLANDER SPRING BED COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

SIDE GUARD FOR SPRING-MATTRESSES.

984,766.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUGUST J. KREUZKAMP, a citizen of the United States, residing at New York, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Side Guards for Spring-Mattresses, of which the following is a specification.

This invention relates to metallic mattresses, and more particularly to an improved side guard therefor, the object of the invention being to provide a side guard formed of cables or longitudinally extending wires so located that the stuffed mattress will be prevented from spreading or rolling over the edge of the mattress bottom, whereby the mattress will be maintained in its proper shape and a neat and tidy appearance thereof presented at all times.

In the drawings accompanying and forming part of this specification, Figure 1 is a perspective view of one end of a bedstead, showing this improved metallic mattress in position thereon; Fig. 2 is a perspective view of one portion of such mattress, showing a somewhat different form of connecting the cables at the ends thereof; and Figs. 3, 4 and 5 are perspective views illustrating different means of connecting and bracing the cables together.

Similar characters of reference indicate corresponding parts throughout the figures of the drawings.

The spring or metallic mattress frame usually comprises a pair of side bars 2 and 3 each having at each end thereof a bracket 4, the brackets at one end of the frame supporting a cross bar or transverse member 5 provided with upstanding projections 6, one adjacent to each end of such bar. The mattress bottom 7, which may be made of any suitable form but shown in the present instance as made up of longitudinal and transversely extending wires or links 8 and 9 respectively, is stretched between the transverse bars and in the present instance is shown connected with such transverse bars by helical springs 10.

Each side guard in the present instance comprises a plurality of cables or wires 11 extending lengthwise of the bed bottom at the side edge thereof and stretched between the upstanding projections of the transverse bars, being connected thereto either directly

as shown in Fig. 2, or, as may be preferred, by means of coiled or helical springs 12 as shown in Figs. 1, 3 and 4, each cable being connected to a coiled spring which is in turn attached to an upstanding projection.

For tying the several cables together various means may be used. In the form shown in Figs. 1, 2 and 5 the cables are tied together at intervals by wires 13 which are also connected or tied to the bed bottom fabric, one wire being preferably located adjacent to each transverse outer wire of the bed bottom.

In the form shown in Figs. 3 and 4 the cables are connected by diagonally located connecting wires or members 13', while in Fig. 3 these diagonally located wires are supplemented by the form of connection shown in Figs. 1, 2 and 5. These wires not only tie the cables together and enable them to act as a unitary structure, but they also reinforce the side guards and materially strengthen the same, and also prevent the stuffed mattress from protruding through between the cables.

I claim as my invention:

1. A spring mattress comprising a bottom stretched under tension, projections carried by the bottom, one adjacent to each corner thereof, and side guards, one at each side of the bottom, and stretched under tension between said projections and comprising a plurality of lengthwise extending members spaced apart throughout their lengths and connected at intervals throughout their lengths whereby such side guard members will move in unison.

2. A spring mattress comprising a bottom stretched under tension, projections carried by the bottom, one adjacent to each corner thereof, and side guards, one at each side of the bottom, and stretched under tension between said projections and comprising a plurality of lengthwise extending members spaced apart throughout their lengths and connected at intervals throughout their lengths whereby such side guard members will move in unison, each side guard being also connected at intervals throughout its length with the bottom whereby an opening for the protrusion of the mattress between the lower edge of the side guard and the bottom is avoided.

3. A spring mattress comprising a bottom stretched under tension, projections car-

ried by the bottom, one adjacent to each corner thereof, and side guards, one at each side of the bottom, and stretched under tension between said projections and comprising a plurality of lengthwise extending members spaced apart throughout their lengths and connected at intervals throughout their lengths whereby such side guard members will move in unison, each side guard being also connected at intervals throughout its length with the bottom whereby an opening for the protrusion of the mattress between the lower edge of the side guard and the bottom is avoided, and helical springs, one or more for each lengthwise extending member, for maintaining the same under constant lengthwise tension and for automatically taking up the slack thereof.

4. A spring mattress comprising a bottom stretched under tension, projections carried thereby, one adjacent to each corner thereof, side guards, one at each side of the bottom, and comprising a series of cables extending lengthwise of the bottom and spaced apart throughout the lengths of such cables, helical springs for the cables and connecting the ends thereof with the projections, one or more for each cable, for imparting constant lengthwise tension to the cables and automatically taking up the slack thereof, means connecting the cables with one another at frequent intervals throughout their lengths whereby they will move in unison with one another, each such side guard also having connection with the bottom at frequent intervals throughout its length whereby an opening for the protrusion of the mattress is avoided between the lower edge of the side guard and the bottom.

5. A spring mattress comprising a bottom stretched under tension, projections carried thereby, one adjacent to each corner thereof, side guards, one at each side of the bottom, and comprising a series of cables extending lengthwise of the bottom and spaced apart throughout the lengths of such cables, helical springs for the cables and connecting the ends thereof with the projections, one or more for each cable, for imparting constant lengthwise tension to the cables and automatically taking up the slack thereof, means connecting the cables with one another at frequent intervals throughout their lengths whereby they will move in unison with one another, each such side guard also having connection with the bottom at frequent intervals throughout its length whereby an opening for the protrusion of the mattress is avoided between the lower edge of the side guard and the bot-

tom, the bottom being made up of longitudinally extending and transversely extending members and each connection of the side guard with the bottom being adjacent to a transversely extending member of such bottom.

6. A spring mattress comprising a bottom stretched under tension, side guards, one at each side of the bottom, and each comprising a plurality of lengthwise extending members spaced apart throughout their lengths, means flexibly connecting the members together at intervals throughout their lengths whereby such side guard members will move in unison and whereby each may have a slight flexure independently of its companion member or members, means flexibly connecting each guard with the bottom at intervals throughout its length whereby the guard will move in unison with the bottom, and an opening for the protrusion of the mattress between the lower edge of the mattress and the side guard avoided, means carried by the bottom adjacent to each corner thereof, and helical springs connecting the ends of the lengthwise extending members and said means for imparting and maintaining the side guards under lengthwise tension and for automatically taking up the slack thereof.

7. A spring mattress comprising a bottom stretched under tension, side guards, one at each side of the bottom, and each comprising a plurality of lengthwise extending members spaced apart throughout their lengths, means flexibly connecting the members together at intervals throughout their lengths whereby such side guard member will move in unison and whereby each may have a slight flexure independently of its companion member or members, means flexibly connecting each guard with the bottom at intervals throughout its length whereby the guard will move in unison with the bottom and an opening for the protrusion of the mattress between the lower edge of the mattress and the side guard avoided, means carried by the bottom adjacent to each corner thereof, and helical springs connecting the ends of the lengthwise extending members and said means for imparting and maintaining the side guards under lengthwise tension and for automatically taking up the slack thereof, the lower lengthwise extending member of the guard being in the plane of the spring bottom.

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