

A. J. KREUZKAMP.
SIDE GUARD FOR SPRING MATTRESSES.
APPLICATION FILED OCT. 9, 1909.

976,469.

Patented Nov. 22, 1910

2 SHEETS—SHEET 1.

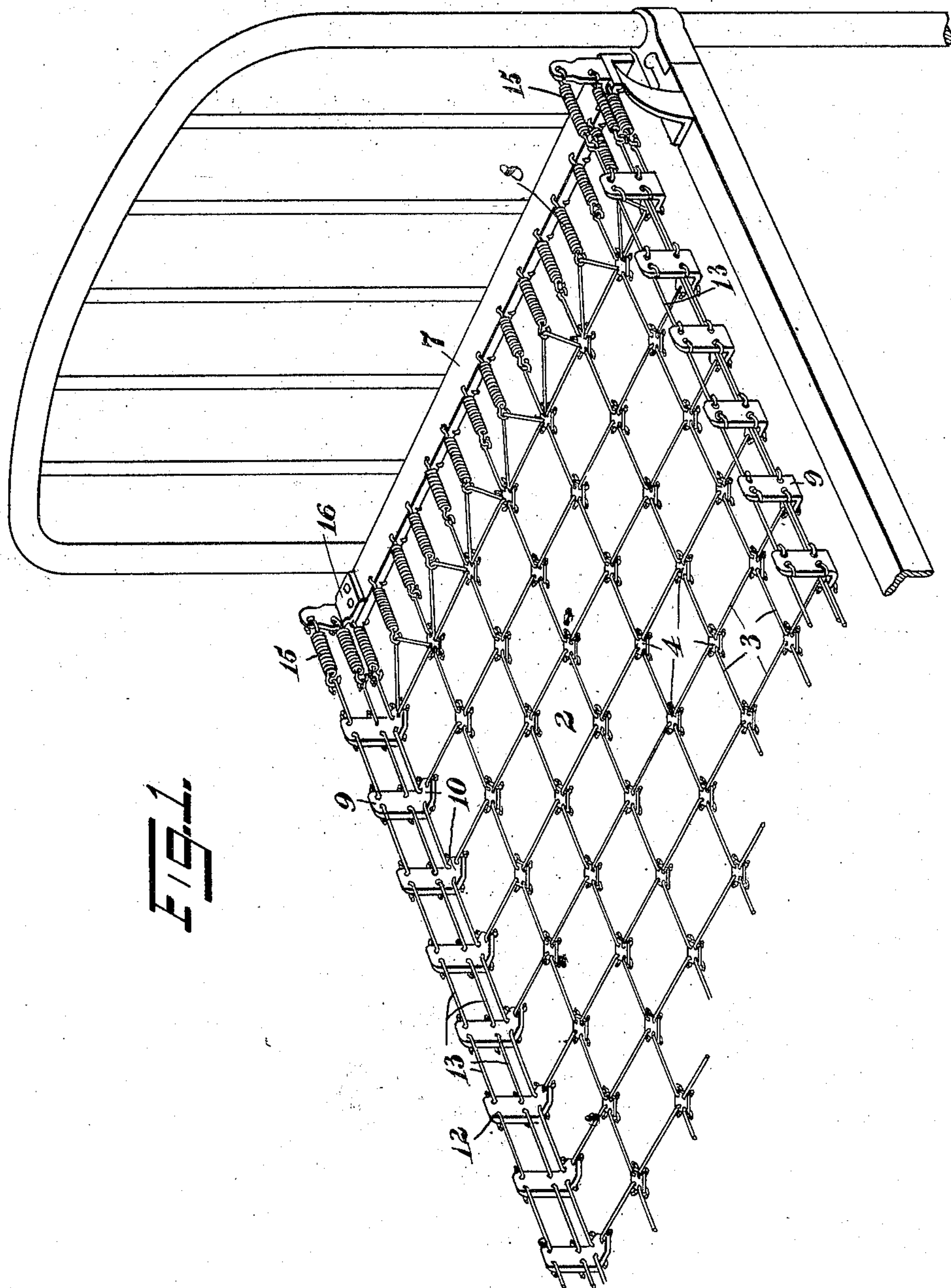


FIG. 1

Witnesses:

L. C. Badeau

H. D. Penney

Inventor:

August J. Kreuzkamp

By his Attorney,

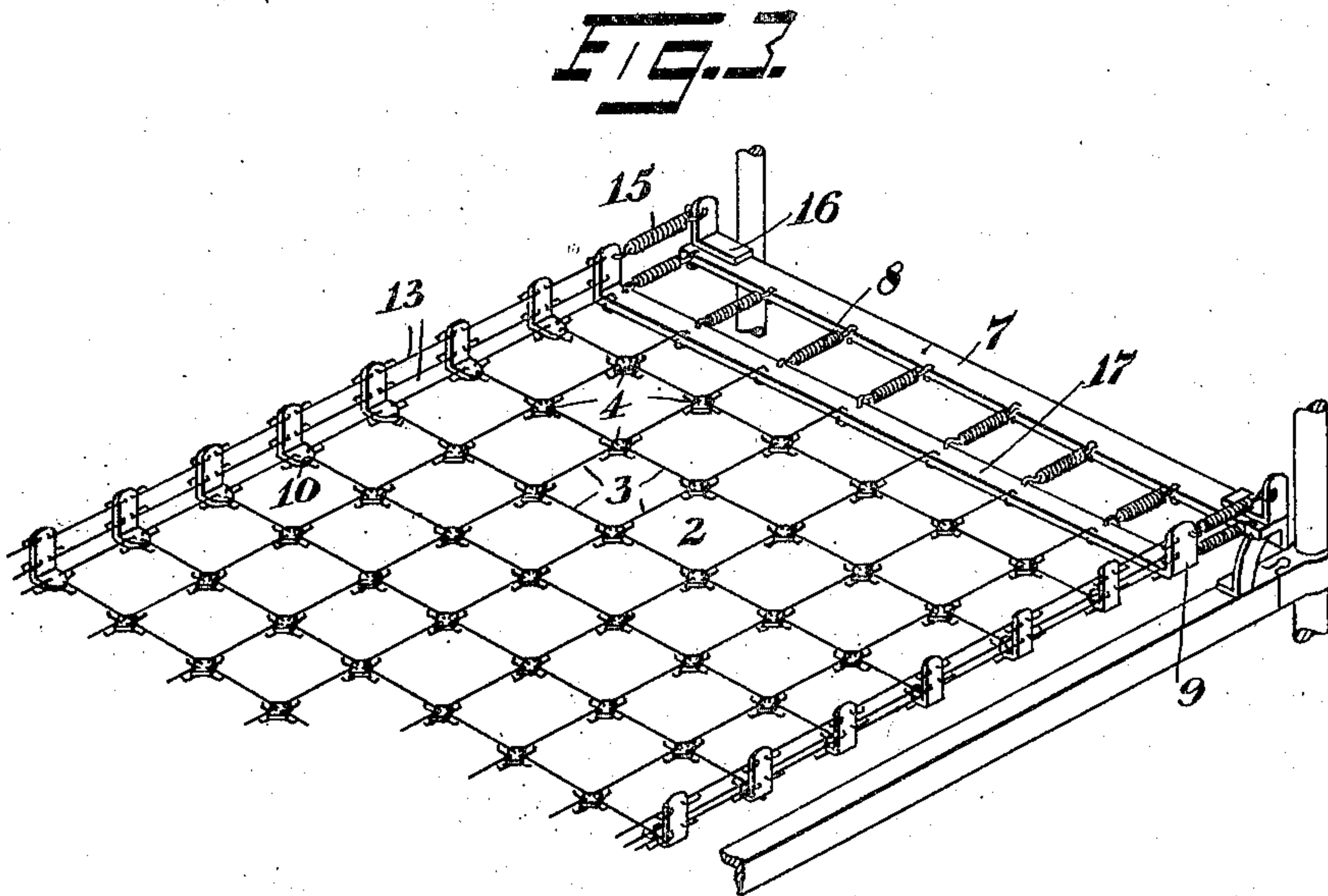
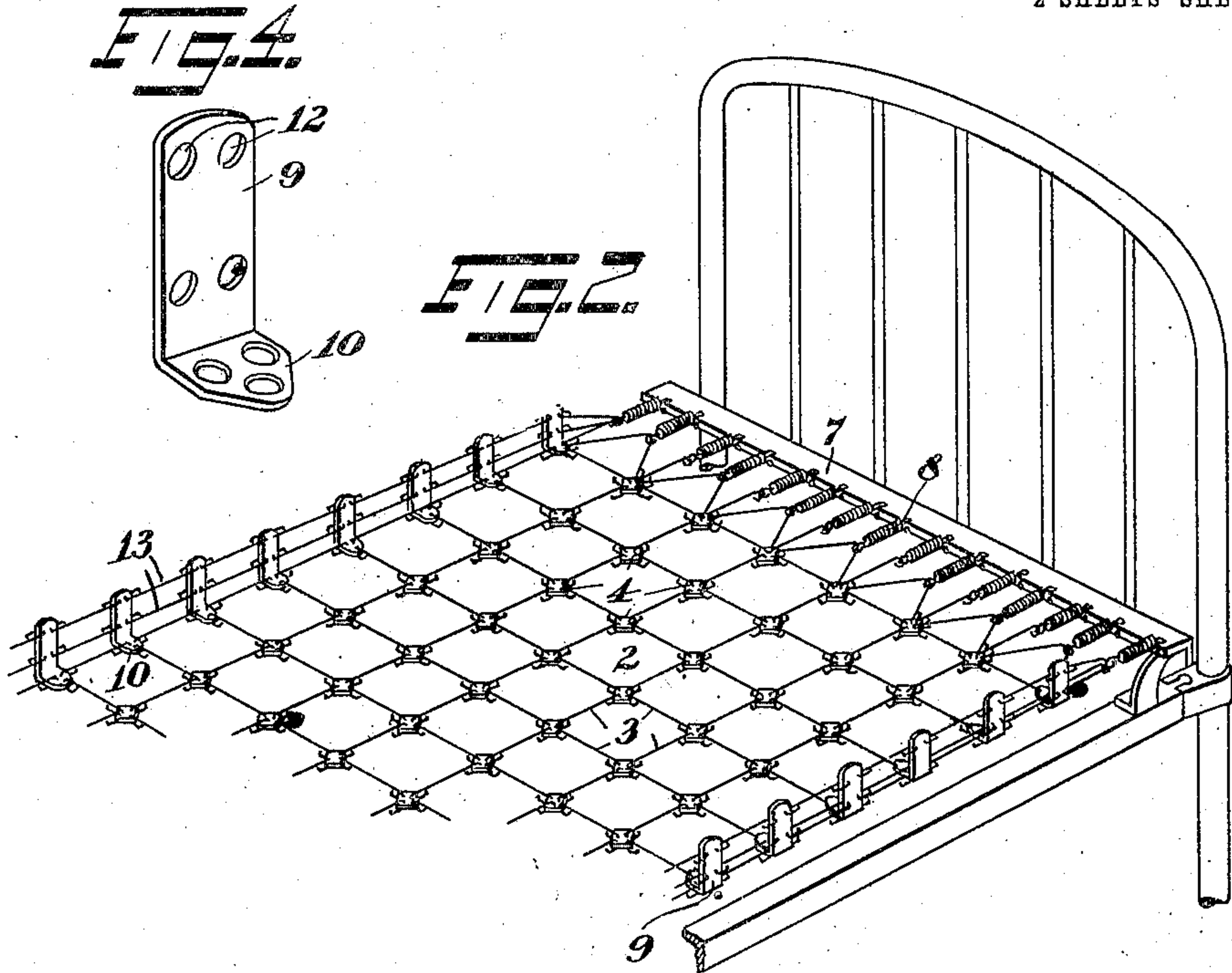
F. H. Richard

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2 SHEETS—SHEET 2.



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L. C. Badian.
H. D. Penney

Inventor:

August J. Kreuzkamp
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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.

976,469.

Specification of Letters Patent.

Patented Nov. 22, 1910.

Application filed October 9, 1909. Serial No. 521,816.

To all whom it may concern:

Be it known that I, AUGUST J. KREUZKAMP, a citizen of the United States, residing in 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.

10 This invention relates to an improvement in metallic mattresses, the object of the invention being to provide an improved metal-formed mattress having an improved form of side guard which will prevent the shifting or spreading of the hair or other stuffed mattress by locating and holding the same in position in an effective manner.

One of the objections to metallic mattresses in general use is that the hair or other stuffed mattresses which are placed thereon shift from one side to the other, or so spread in use that a very unsightly appearance is the result.

20 The present improvement therefore consists of a wire mattress which is provided at each side thereof with an improved longitudinal side guard, which side guards are connected thereto in an improved manner and which improved mattress is comparatively simple in its construction and therefore inexpensive to produce.

30 The present improvement is particularly adapted for use with what is known as a "National Spring" fabric, that is a fabric made up of links and connecting plates, and one of the objects of the invention is to form the supports for the wire portions of the side guards integral with a row of these connecting plates.

40 In the drawings accompanying and forming part of this specification, Figure 1 is a perspective view of one end of a bedstead illustrating this improved mattress and its side guard; Fig. 2 is a similar perspective view, illustrating in a somewhat different manner from that shown in Fig. 1 the side guards connected with the coil springs; Fig. 3 is a perspective view illustrating a somewhat different form of cross-bar or end for the mattress; and Fig. 4 is a detail view of one of the side-guard supports.

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

55 The mattress, 2, which as hereinbefore

stated is shown as a national mattress made up of links or wires 3 connected at their ends by plates or members 4, is connected to the cross-bars, one only of which, as 7, is shown, by the usual coil springs 8. The side guards 60 in the present instance are made up of suitable upright supports or members 9 bent at the lower ends inwardly, as at 10, to form along the outer edge of the mattress one set of connecting plates; that is to say, in 65 the usual form of national mattress the plates along the outer edge are but semi-formed plates, since but three wires are connected thereto instead of four as in the main body of the mattress. In the present instance these semi-formed plates are each 70 bent upwardly to form the upright supports for the side guards, so that these side-guard uprights thus are a part of the connecting plates of the mattress, each being provided 75 with the desired number of holes 12 for the reception of the connecting links or wires 13 forming the side guards, whereby the side guards may be made up of short wire-formed portions just as the bottom of the 80 mattress itself is made up.

For giving tension to the side guards, the end upright members or posts are connected by coil springs 15 with suitable angle plates 16 riveted or otherwise secured to the cross 85 end-bar 7 hereinbefore referred to. In Fig. 2 each end upright member is connected to one of the coil springs provided for giving tension to the bottom, instead of to a separate coil spring as in Fig. 1. In Fig. 3 an 90 additional cross-bar 17 is provided for the connection of the bed-bottom thereto, and between which and the main cross-bar 7 the springs are located, the cross-bar 17 having turned up ends conforming to the upright 95 supporting members of the side guards.

From the foregoing it will be observed that the outer row of connecting plates of the mattress, owing to their formation, constitute the upright supporting members for 100 the side guards, so that the entire mattress, comprising the side guards and the bottom, may be made up of short links and connecting plates or members, these latter being bent up along the outer edges of the mat- 105 tress for the purpose of forming the side guards. The term plates as used herein is intended to mean those parts or members which connect both longitudinal and transverse wires of the fabric. 110

I claim as my invention:

1. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, and means connecting said supports. 5
2. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, and short links connecting said supports. 10
3. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, means connecting said supports, and coil springs in position for maintaining said guards in an upright position. 15
4. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, short links connecting said supports, and coil springs in position for maintaining said guards in an upright position. 20
5. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, means connecting said supports, and coil springs in position for maintaining said guards in an upright position, said springs being located at the ends of the mattress. 25
6. A metallic formed mattress made up of short links and connecting plates, the plates along the side edges of the mattress being bent upwardly to form side-guard supports, short links connecting said supports, and coil springs in position for maintaining said guards in an upright position, said springs being located at the ends of the mattress. 30
7. A metallic formed mattress comprising an end-bar, a metallic fabric connected thereto by coil springs and made up of short wires and connecting plates, the connecting plates along the outer edge of said mattress having upwardly turned portions to form a side guard, and coil springs connected to the upwardly turned portions at the ends of the mattress for maintaining said side guards in an upright position. 35
8. In a bed bottom fabric including links, a row of angle plates at each side of said fabric, each angle plate being connected to one of a longitudinal row of transversely disposed links of the bottom fabric, and means for holding one member of each angle plate in vertical position whereby is formed a mattress guard. 40
9. In a bed bottom fabric of connected plates and links, a row of angle plates at each side of said fabric, each angle plate being connected to one of a longitudinal row of transversely disposed links, and means for holding one member of each angle plate in vertical position whereby is formed a mattress guard. 45
10. In a bed bottom fabric of connected members and links, each such member coupling a plurality of links together, a row of angle plates at each side of said fabric, each angle plate being connected to one of a longitudinal row of transversely disposed links, and means for holding one member of each angle plate in a vertical position whereby is formed a mattress guard. 50
11. A metallic mattress formed of connected plates and links comprising a bottom and side guards, the latter made up of a row of the plates having parts thereof bent upwardly from the bottom to form side guard supports, and means connecting said supports. 55
12. A metallic formed mattress having side guards, both the mattress bottom and the side guards being made up of connected plates and wires, the plates of the side guards being located at intervals at the sides of the mattress between the ends thereof and each in alinement with a transverse row of plates of the bottom and each including a vertical member, and wires connecting the vertical members of the angular plates. 60

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Witnesses:

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