J. LUPPINO.

SIDE GUARD FOR SPRING MATTRESSES.

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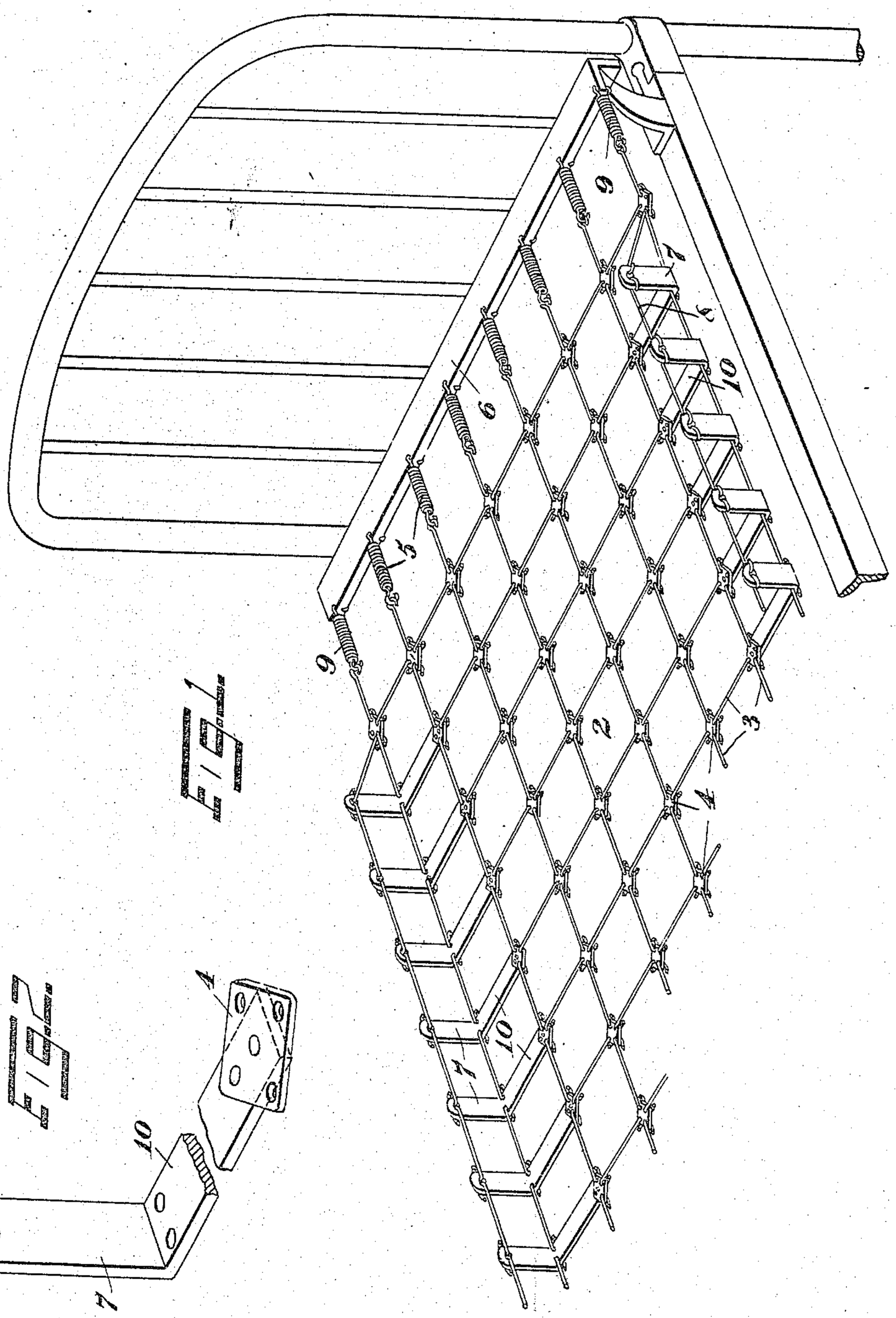

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UNITED STATES PATENT OFFICE.

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SIDE GUARD FOR SPRING-MATTRESSES.

976,480. Specification of Letters Patent. Patented Nov. 22, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH LUPPINO, a subject of the King of Italy, residing in Ridgewood, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Side Guards for Spring-Mattresses, of which the following is a specification.

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

One of the objections to the metallic mattresses in general use is that the hair or other stuffed mattress which is placed thereon shifts on the same from one side to the other, or so spreads in use that a very unsightly appearance is the result.

The present improvement, therefore, consists of a wire mattress which is provided at each side thereof with an improved longitudinal side guard connected to the mattress bottom in an improved manner.

A further object of the invention is the provision of an improved side guard the upright supporting members of which will be so formed that a part thereof will take the place of a series of cross links of the mattress bottom.

In the drawings accompanying and forming part of this specification, Figure 1 is a perspective view of one end of a bed showing this improved mattress in position; and Fig. 2 is a detail view of one of the supporting members of the side guard secured to one of the connecting plates of the mattress bottom.

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

The present improvement is particularly adapted for use in connection with what is known as a national fabric, in which the bottom 2 is made up of short wires or links 3 and angular connecting plates or members 4 usually of triangular form, this mattress bottom being connected by suitable coil springs 5 with the usual end or cross-bar 6. In the present instance, the side guard is made up of a series of angular members or supports the upright parts of which, as 7, are connected by short links or wires 8 to form the side guard, each end support being connected by a similar wire with one of the connecting plates, to which a coil spring 9 is secured, thus obviating the necessity of using separate coil springs for maintaining the side guard in an upright position. Each of these upright members is provided with an inwardly extending portion 10, the inner end of which is riveted or otherwise fastened to one of the connecting plates of the metallic bottom and thus takes the place of one of the cross wires of the bottom in a manner which will be readily understood.

By making the present improvement in the manner set forth it is very simple in its construction and inexpensive to manufacture.

I claim as my invention:

1. In a spring mattress, a fabric composed of plates and connecting links, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard.

2. In a spring mattress, a fabric composed of links and connecting members, each of said members coupling a plurality of links together, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard.

3. In a spring mattress, a fabric composed of plates and connecting links, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard, and means at the end of the guard for imparting longitudinal tension thereto.

4. In a spring mattress, a fabric composed of plates and connecting links, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard and connected by links or wires.

5. In a spring mattress, a fabric com-

posed of plates and connecting links, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard, the end angular members being connected by inclined wires with the mattress.

6. In a spring mattress, a fabric composed of plates and connecting links, and transverse members to which the fabric is connected at its ends, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard, and coiled springs between the ends of said guards and the transverse members for imparting tension to the guards.

7. In a spring mattress, a fabric composed of plates and connecting links, and transverse members to which the ends of the fabric are connected, the exterior row of links on each side being angular, one part of each of said angular links being held in vertical position to form a mattress guard and connected by links or wires, the end angular members being connected by inclined wires with the mattress, and coiled springs therebetween and said transverse members for imparting longitudinal tension to the guards.

8. A metallic formed mattress comprising a bottom made up of connecting plates and links and provided with side guards formed of spaced apart angularly formed members located at intervals along the bottom between the ends thereof and connected to the bottom.

9. A metallic formed mattress made up of wires and connecting plates, side guards therefor made up of angular formed members one part of each secured to one of said plates and linked together, each end angular member being connected by an inclined wire with one of said plates, and a coil spring secured to said last mentioned plate for imparting tension to said side guards.

10. A metallic formed mattress comprising a bottom made up of connecting plates and links and provided with side guards formed of spaced apart angularly formed members located at intervals along the bottom between the ends thereof and connected to the bottom and one part of each of said angularly formed members forming a part of the mattress bottom.

11. A metallic formed mattress comprising a bottom provided with side guards formed of spaced apart angularly formed members located at intervals along the bottom between the ends thereof and connected to the bottom, and means for maintaining such members in an upright position.

12. A metallic formed mattress comprising a bottom made up of connecting plates and links and provided with side guards formed of spaced apart angularly formed members located at intervals along the bottom between the ends thereof and connected to the bottom, and coiled springs for maintaining such members in an upright position.

13. A metallic formed mattress comprising a bottom made up of connecting plates and links and provided with side guards formed of spaced apart angularly formed members located at intervals along the mattress between the ends thereof and connected together, and coiled springs for maintaining such members in an upright position and also effective to impart tension to the mattress bottom.

14. A metallic formed mattress made up of connecting members and links, each such member connecting a plurality of links together, the mattress being provided with side guards each made up of short lengths of wire connected by upstanding spaced apart supports comprising angularly formed members secured to such bottom and located at intervals along the side edges thereof.

15. A metallic formed mattress having a bottom and side-guards, the latter comprising a row of angularly formed members located at intervals along the side edges of the bottom between the ends thereof and wires connecting said members.

16. A metallic formed mattress having a bottom and side guards, the latter comprising a series of upright non-flexible members located at short intervals along the side edges of the bottom and permanently attached to and supported in an upright position by said bottom, the spaces between said members being such that the protruding of the stuffed mattress therebetween will be prevented.

17. In a bed bottom fabric of connected members and links, each such member coupling a plurality of such links together, a row of angle members at each side of such fabric, each angle member being connected to one of a longitudinal row of such members and means for holding one member of each angle member in vertical position, whereby is formed a mattress guard.

18. In a bed bottom fabric of connected plates and links, each plate coupling a plurality of links together, a row of angle members at each side of said fabric, each angle member being secured to one of the plates of the bottom and means for holding one part of each angle member in an upright position, whereby is formed a mattress guard.

19. A metallic formed mattress comprising a bottom and side guards, the latter made up of a row of angularly formed members, having parts thereof bent upward from the bottom to form side guard supports, and means connecting said supports.

20. A metallic formed mattress having a

bottom and side guards, the latter comprising a series of upright non-flexible members located at short intervals along the side edges of the bottom and supported in an upright position by said bottom, the spaces between said members being such that the protruding of the stuffed mattress therebetween will be prevented, and means connecting the upright members with each other and with the metallic bottom.

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