

No. 828,324.

PATENTED AUG. 14, 1906.

T. B. LAYCOCK.

BED BOTTOM.

APPLICATION FILED AUG. 4, 1905

Fig. 1.

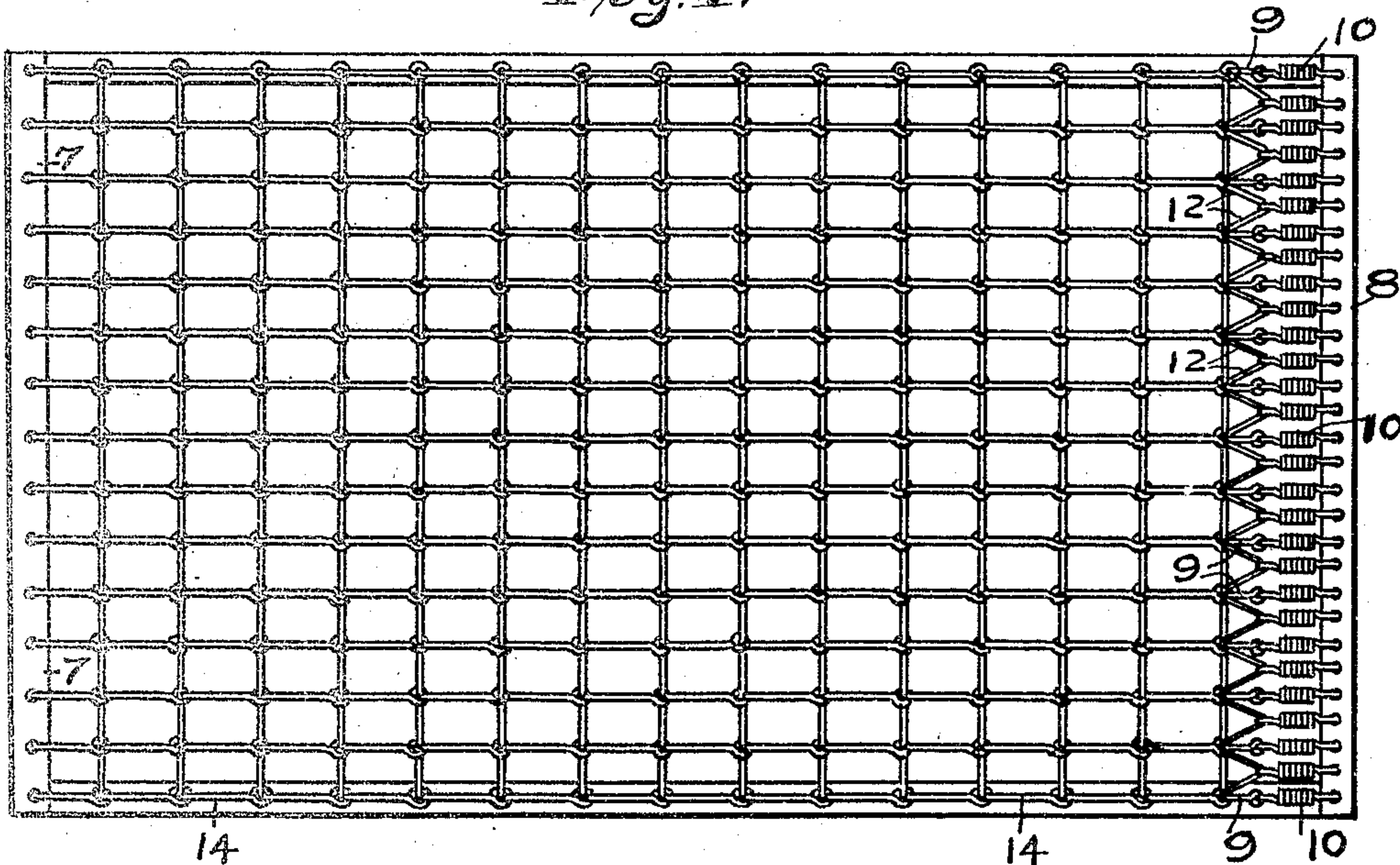
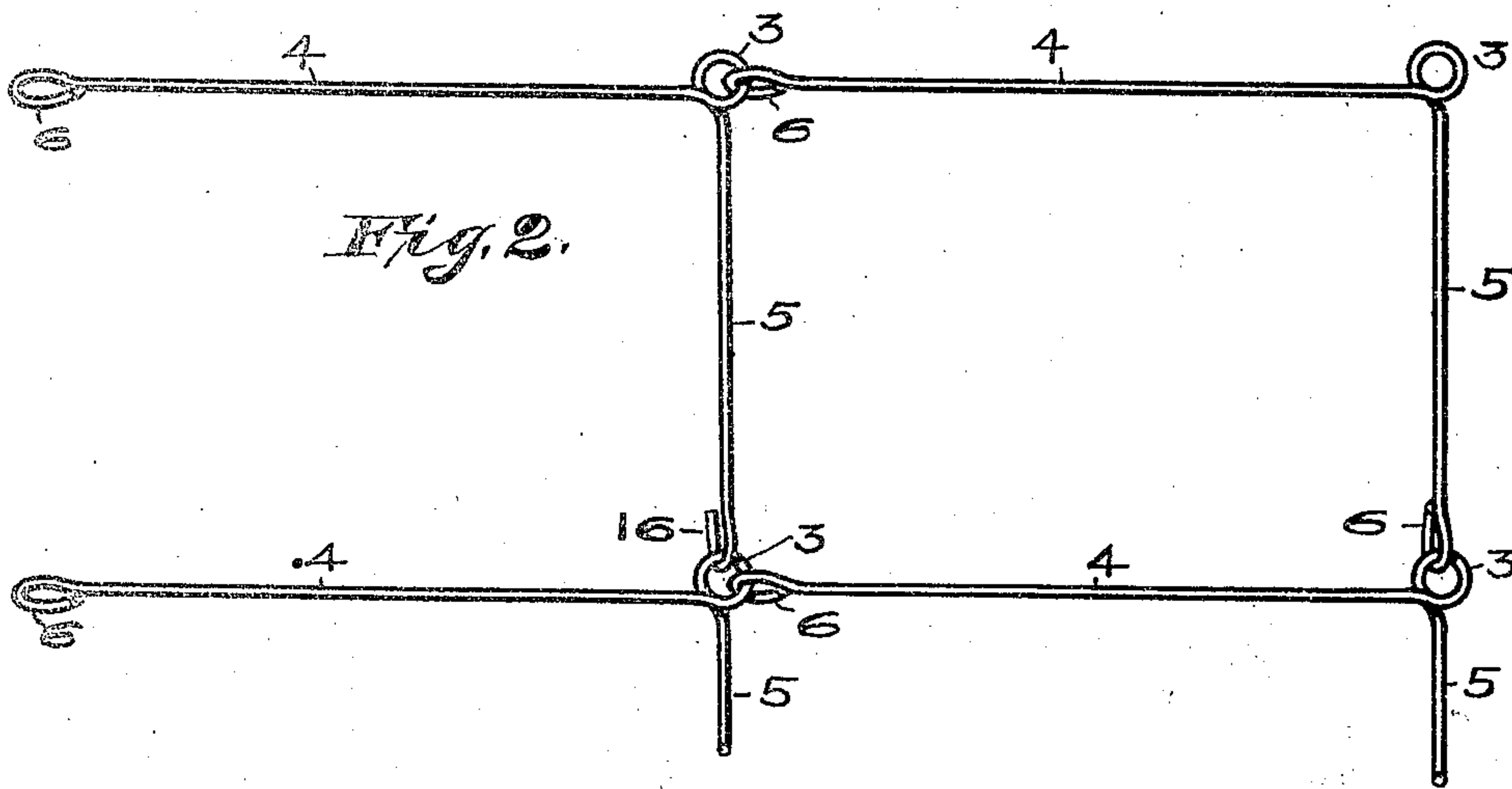


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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BED-BOTTOM.

No. 828,324.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed August 4, 1905. Serial No. 272,899.

To all whom it may concern:

Be it known that I, THOMAS B. LAYCOCK, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Bed-Bottoms, of which the following is a specification.

This invention relates to improvements in beds, and has special reference to the bed-bottom or portion which supports the mattress.

The invention is specially adapted for iron beds having a rectangular metal frame to which my invention is applied in a manner to connect the opposite members of the frame and form a filling between said members which while sustaining the mattress and weight of the occupants will be sufficiently yielding and elastic to secure comfort and ease.

The invention is applicable to all kinds of beds, iron or otherwise, having a suitable rectangular frame or support; and its object is to provide an inexpensive, durable, and efficient material to connect the frames made up in the main of a series of parts which are facsimiles of each other.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of a bed-bottom embodying my improvements; and Fig. 2 is a detail in perspective, on a larger scale, of a portion of a bed-bottom, illustrating the manner in which the sections composing same are interlocked.

Like characters of reference indicate like parts throughout both views of the drawings.

My improved bed-bottom is made out of spring-wire, such as steel or brass, and is comprised of a plurality of like sections, each formed out of a single piece of wire bent into a loop or eye 3, from which the wires are extended to form the straight arms 4 and 5. The arms 4 and 5 are at right angles to each other and terminate with bends forming the end hooks 6. This forms a basis for the ready construction of a bottom of any desired length and width by the linking together of the requisite number of sections in the manner as shown in Fig. 2, wherein it will be seen that the arms 4 are fastened together in lines longitudinally of the bed-bot-

tom by hooking the hook of each arm into the eye of the next adjacent arm. In like manner the arms 5 have their hooks fastened through the eyes of the next adjacent arms, so as to form the arms in transverse lines or rows across the bed-bottom. The arms 4 at one end of the mesh thus formed (here shown as the left end) are hooked to the adjacent member 7 of the frame, the said member being preferably provided with perforations, as shown, for the passage of the wires there-through. The eyes 3 at the other end of the bed-bottom thus formed are secured to the opposite frame member 8 by means of the links 9 and spirally-wound spring extensions 10. One end of the spring 10 is hooked through a suitable perforation of the member 8, and the other end of the spring is provided with an eye to receive a corresponding eye or hook in the outer end of a link 9. The inner end of the link 9 is hooked into the eye 3 of one of the bed-bottom sections. The springs 10 add to the elasticity of the bed-bottom.

In practice I make the sections with the arms 5 in two or more lengths, one of which is of the proportions shown in the drawings and the other with the arm 5 about one-half shorter. With the shorter arms the other arms are brought closer together, and the springs 10 are correspondingly more numerous. With the longer arms 5, as shown in the drawings, the number of spring-supports may be doubled by the use of the links 12, which extend between each two adjacent eyes 3, to which their ends are hooked, and the links have an angular bend at their middles, at which bends the additional springs are fastened. By using a large number of springs each one can be weaker than would be practicable with a smaller number of springs, and the bed-bottom would be correspondingly more comfortable.

The ends of the arms 5 at one side edge of the bed-bottom (here shown as the lower edge in Fig. 1) are joined together by means of the links 14, the ends of which links are bent, as shown, to form the required hooks and eyes for the fastening of the arms 5 thereto. All of the hooks of the arms and links may be left open, as shown at 16 in Fig. 2, or they may be closed, as shown at the other places of the drawing.

Having thus fully described my invention,

what I claim as new, and wish to secure by Letters Patent, is—

1. A bed-bottom comprising a rectangular frame and a plurality of interlocked sections made out of wire each section comprising a single piece of wire bent and crossed to form a small circular closed loop or eye just large enough to receive the two hooked ends of two connected sections from which eye the wires radiate to form two arms at right angles to each other and parallel with the respective sides and ends of the frame, said arms terminating with portions bent into loops or hooks which hook into the eyes of the adjacent sections.

2. In a bed-bottom, a frame, a plurality of interlocked sections made out of wire and supported from the ends of the frame, each of

said sections comprising a single piece of wire bent and crossed to form a small circular closed loop or eye from which the wires radiate to form two arms at right angles to each other and parallel with the ends and sides respectively of the frame, said arms terminating with portions bent into loops or hooks which hook into the eyes of the adjacent sections, and springs between an end of the frame and said sections to secure the requisite elasticity for said bed-bottom.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 1st day of August, A. D. 1905.

THOMAS B. LAYCOCK. [L. s.]

Witnesses:

J. A. MINTURN,
F. W. WOERNER.