

W. SHANNON.

BED.

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924,007.

Patented June 8, 1909.

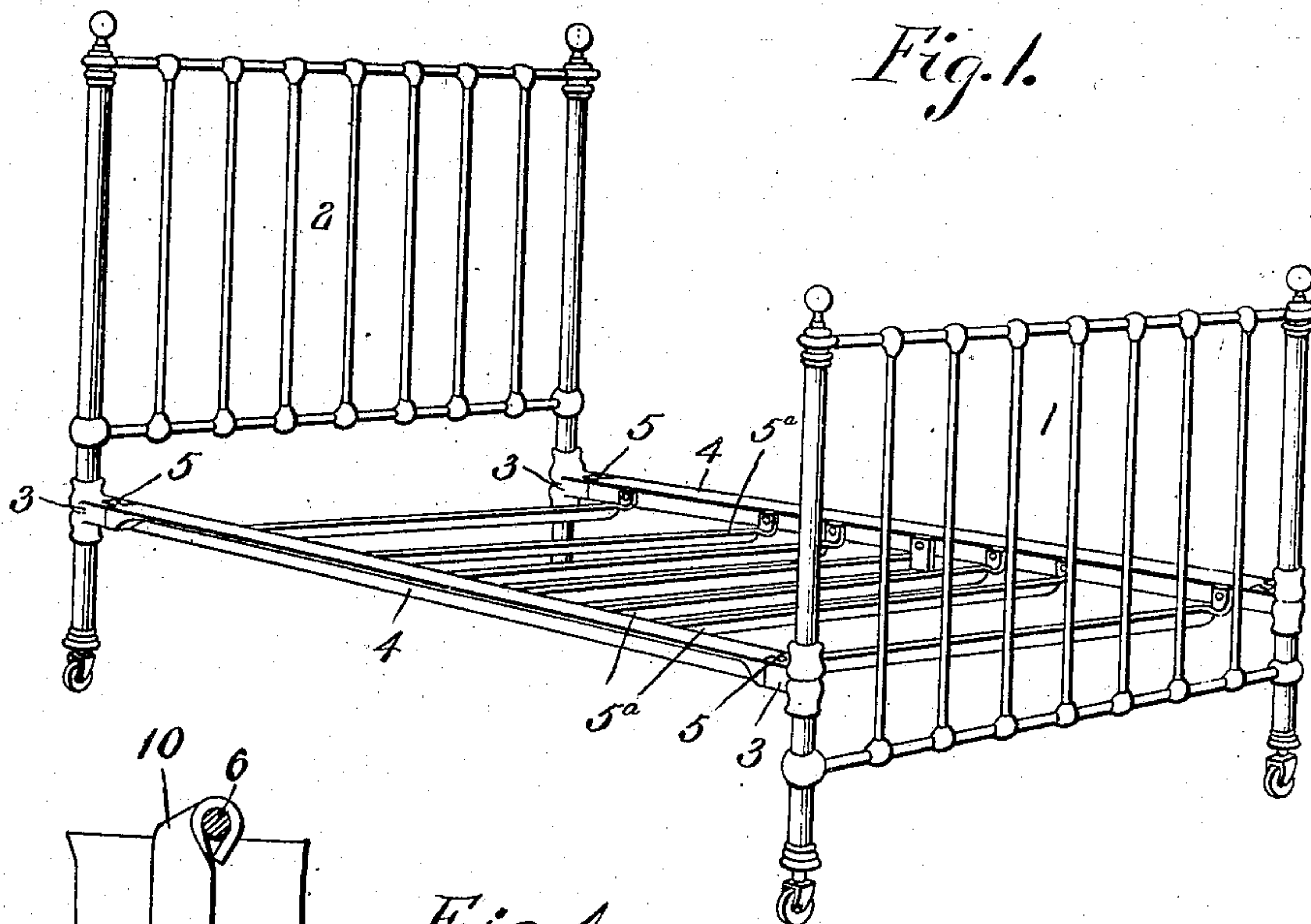


Fig. 1.

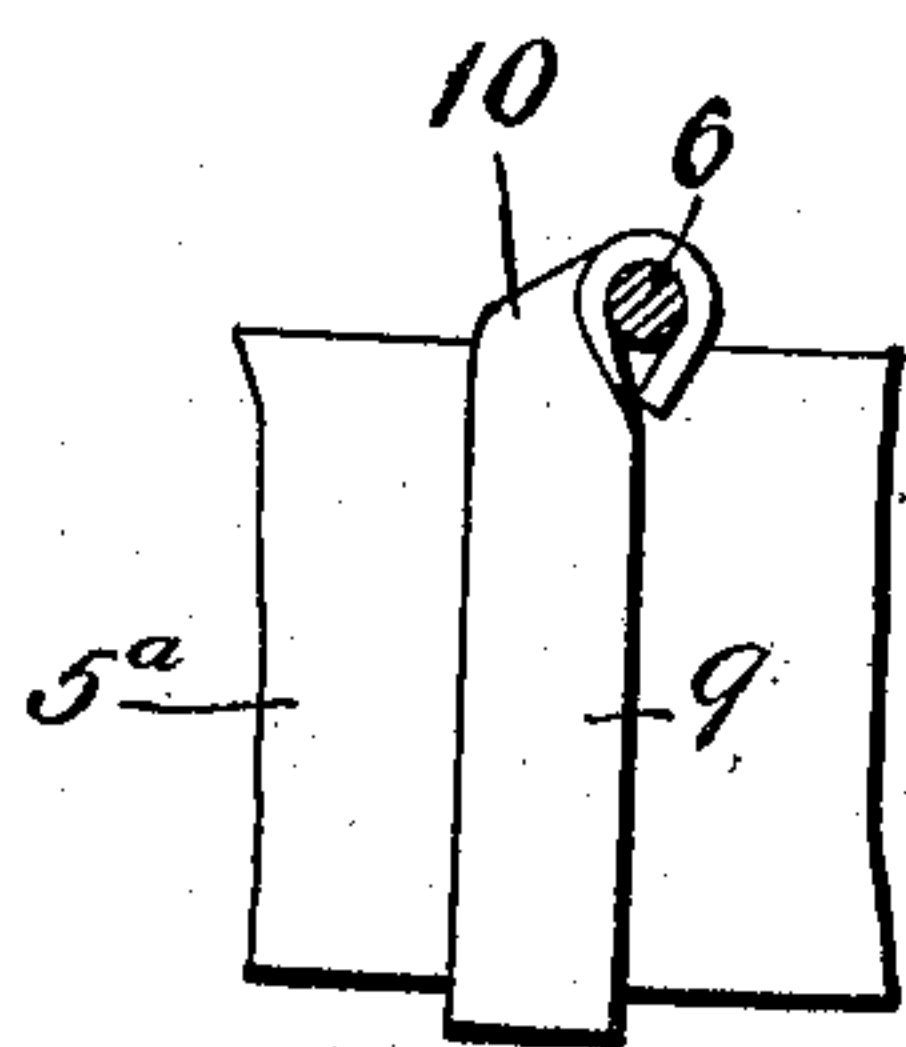


Fig. 4.

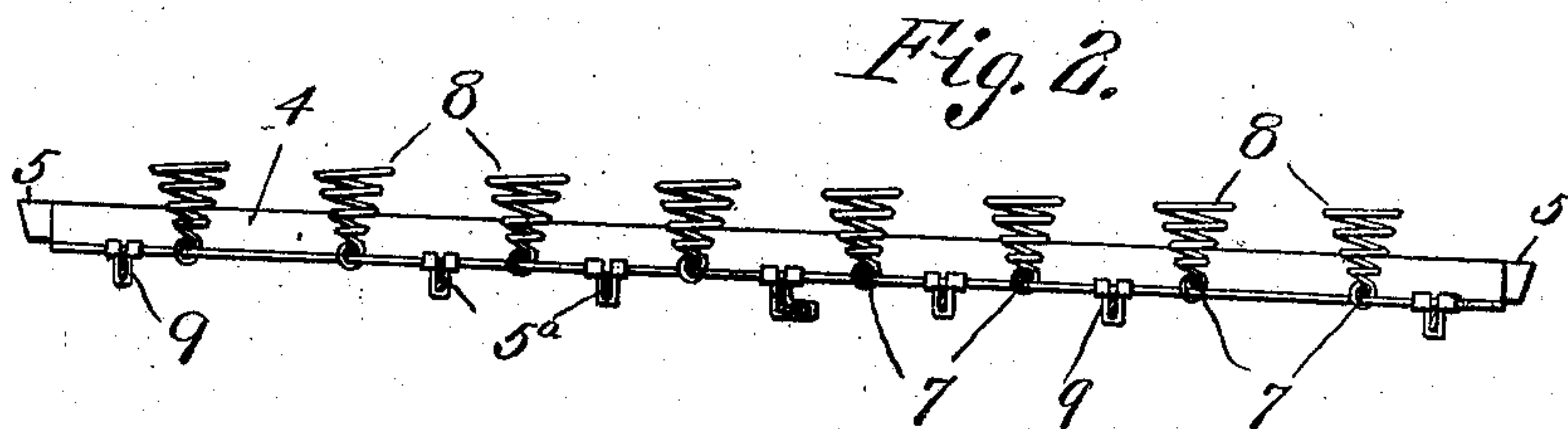


Fig. 2.

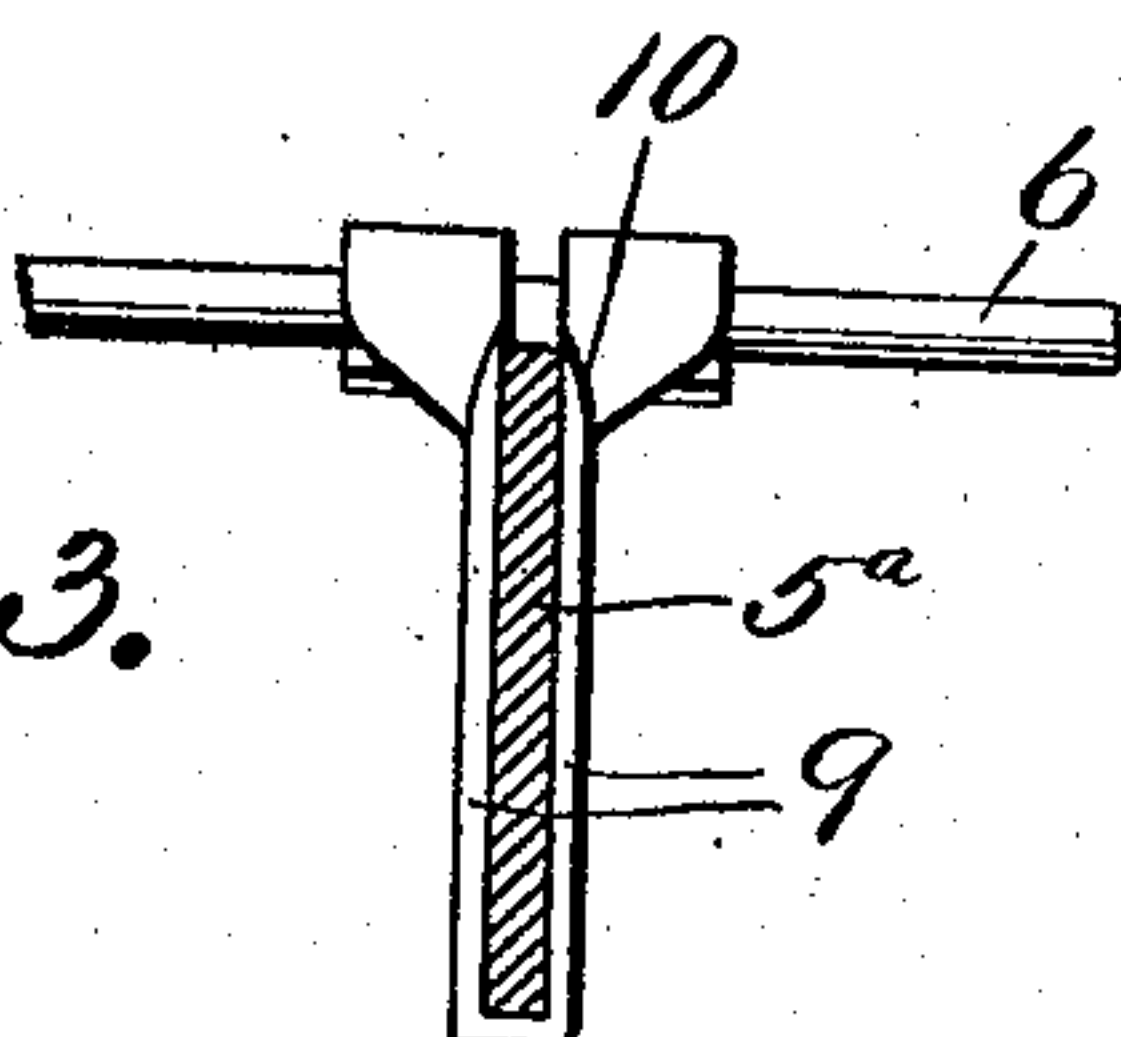


Fig. 3.

Witnesses

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# UNITED STATES PATENT OFFICE.

WOODFORD SHANNON, OF LOUISVILLE, KENTUCKY.

BED.

No. 924,007.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed April 27, 1907. Serial No. 370,583.

*To all whom it may concern:*

Be it known that I, WOODFORD SHANNON, a citizen of the United States, and resident of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Beds, of which the following is a specification.

This invention relates to beds and more particularly to the manner of connecting bed bottoms to beds.

Owing possibly for hygienic reasons and to the fact that wooden beds have been made of various kinds of wood, beds and bed bottoms have been manufactured and sold independently. However since the advent of the metallic beds most manufacturers have adopted standard side bars connecting the head and the foot of the bed, thus making it possible to manufacture the bed bottom and the side bars together.

Therefore, an object of my invention is to provide a bed bottom which carries the ordinary bed side-bars, in other words, to lessen the cost of manufacture of beds by connecting the bed bottom directly to the bed side bars, thus employing one set of side bars for the purpose that two sets were heretofore employed.

Another object of my invention is to provide a new manner of fastening a spring frame to a spring frame support.

Other and further objects will appear in the following description and will be more particularly pointed out in the appended claims.

In the drawings—Figure 1 is a perspective view of a bed employing my bed bottom, the spring frame not being connected to the spring frame support. Fig. 2 is a longitudinal section of the spring frame support with the spring frame in position thereon. Fig. 3 is a detail of the clip for connecting the spring frame to the bed bottom support. Fig. 4 is a side view of the clip.

Referring more particularly to the drawings 1 indicates the foot of the bed and 2 the head, each provided with one member of a number of fastenings 3 which may be of any suitable form, that shown being in the form of wedge shaped sockets.

The side bars 4 which form the side bars of the bed bottom and the side bars of the bed have suitable fastening members 5 at their ends, in the form of inverted wedge shaped lugs to fit within the sockets 3. The side

bars are of any suitable shape, such for instance as the usual angle iron.

Rigidly connecting the side bars is a number of transverse bars 5<sup>a</sup>, which are preferably in the form of strips of metal. The side bars 4 with these transverse bars form a spring bed support which is adapted for direct attachment to the foot and the head of the standard beds and form a supporting connection between the said parts.

The springs may be connected directly to the transverse bars or they may be formed into a spring frame for convenience in shipping. In the latter instance the top of the spring frame may be of any suitable form while the bottom should be formed of longitudinal wires 6 which are connected to the transverse bars 5<sup>a</sup> in any suitable manner, and transverse wires 7, the springs 8 being connected to the wires 6 and 7 at the points where said wire intersects each other.

As a means for fastening the spring frame to the spring frame support, I provide a clip which is formed of a strip of sheet metal. This clip is bent intermediate its ends so as to form two arms 9 which project upwardly from the lower edge of a transverse bar, and are positioned on opposite sides of and in contact with said bar. The free ends of the arms of the clip are twisted 90° at 10 and are then bent about a longitudinal wire 6. This form of clip is especially advantageous when there are no recesses in the transverse bars 5<sup>a</sup> or in the longitudinal wires 6 to prevent the spring frame slipping on its support, as a metal strip clip has greater bearing on the longitudinal wires.

It is apparent that the spring frame support may be manufactured and sold separately from the foot and the head of the bed.

Having thus described my invention what I claim and desire to secure by Letters Patent is:

1. The combination with a spring frame support having transverse bars and a spring frame having longitudinal wires, of means for connecting the spring frame to the support embodying a clip formed from a flat strip of metal, having two arms connected together under a transverse bar, extending upwardly upon opposite sides of the bar and each having a wide flat face in contact with a side face of the bar, the ends of the arms being twisted at an angle to the arms and secured to a longitudinal wire.

2. The combination with the bar of a spring frame, support and the wire of a spring frame; of a clip for securing said bar and wire together, said clip consisting of a flat strip of metal with a broad flat surface in contact with the bar and encompassing said bar, the ends of said strip extending outwardly from said bar and twisted at an angle thereto to engage said wire of the spring frame.

3. The combination with the transverse bar of a spring frame support and the longi-

tudinal wire of a spring frame; of a flat metal clip encompassing said bar with a broad flat face, said clip having projecting ends twisted at right angles to said bar to encircle said longitudinal wire.

The foregoing specification signed at Louisville, Kentucky, this 16th day of November, 1906.

WOODFORD SHANNON.

In presence of two witnesses—

IDA M. RIEGER,

IDA GOEBEL.