

(No Model.)

C. E. McCLINTOCK.
BED BOTTOM.

No. 489,229.

Patented Jan. 3, 1893.

Fig. 1.

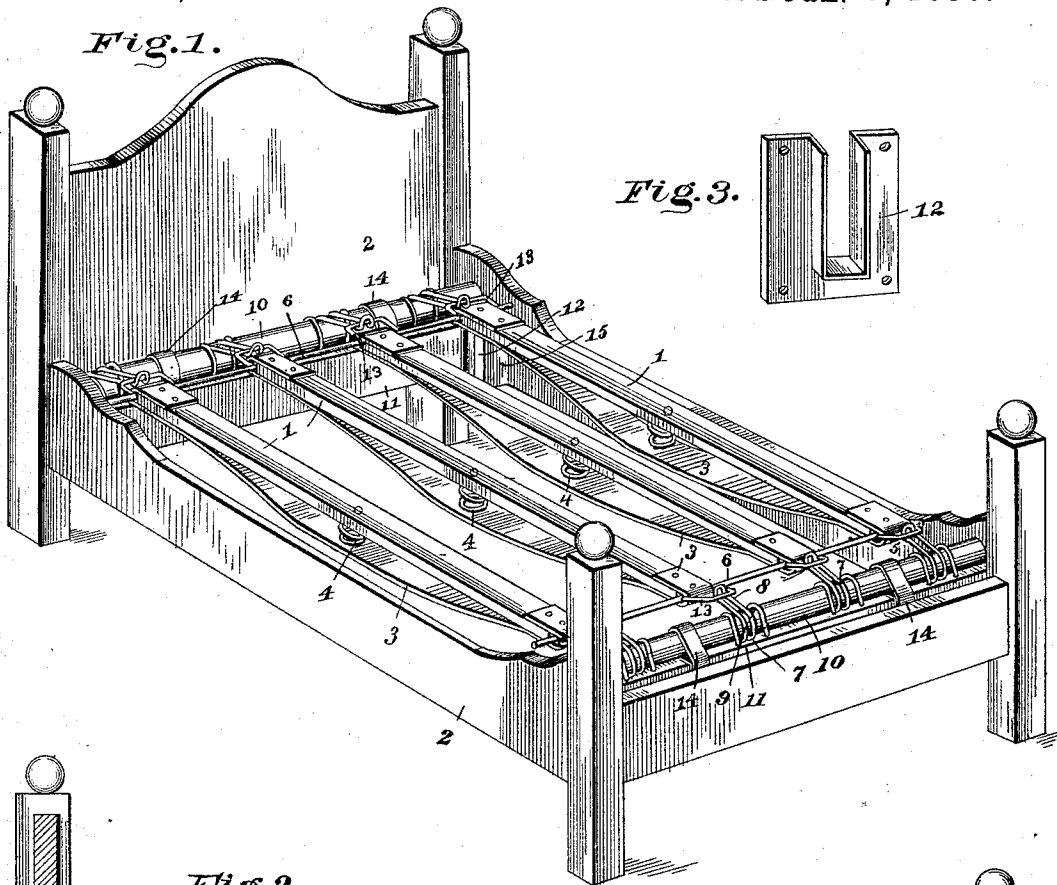


Fig. 3.

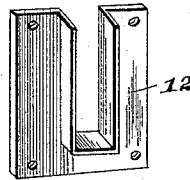
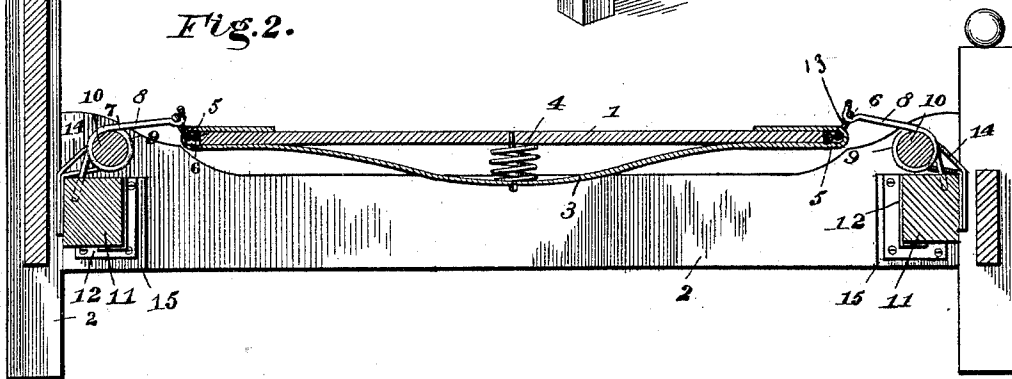


Fig. 2.



Witnesses

J. H. Ke Jr.
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Inventor

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

CHARLES EDWARD MCCLINTOCK, OF OZARK, ASSIGNOR OF ONE-HALF TO HYMENUS G. SADLER AND RALPH A. SADLER, OF PARIS, ARKANSAS.

BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 489,229, dated January 3, 1893.

Application filed June 30, 1892. Serial No. 438,598. (No model.)

To all whom it may concern:

Be it known that I, CHARLES EDWARD MCCLINTOCK, a citizen of the United States, residing at Ozark, in the county of Franklin and State of Arkansas, have invented a new and useful Bed-Bottom, of which the following is a specification.

The invention relates to improvements in bed bottoms.

The object of the present invention is to simplify and improve the construction of bed bottoms, and to provide a yielding one in which the parts will mutually contribute to support the weight of a person to prevent any particular part being forced to support such weight and being weakened or bent out of shape by the same.

A further object of the invention is to enable the bed bottom to be readily applied to the ordinary construction of bedsteads.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a bedstead constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a detail view of one of the bracket plates.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates slats disposed longitudinally of a bedstead 2 to form a bed bottom and each slat is trussed by a metal strap 3 arranged on the lower face of the slat and having its ends passed around the ends of the slat and secured to the upper face of the same; and a spiral spring 4 is interposed between the middle of the strap and the slat and forms a strut. The ends of the strap form eyes 5 in which are arranged removable transverse spring rods 6, which connect the slats and cause them to assist one another in supporting a load, thereby preventing anyone of the slats receiving all of the strain. The slats by being trussed may be constructed much lighter than if they were not, and will be sufficiently strong.

The bed bottom is supported by spirally coiled springs 7 which are provided with central tongues 8 and which have their right and left hand coils 9 disposed at opposite sides

of the tongue 8 and arranged on a cylindrical bar 10; and the said springs are secured to supporting bars 11 which are arranged at the ends of the bedstead and have their ends arranged in bracket plates 12. The tongues 8 of the springs are provided at their free ends and are connected with the adjacent slats by rectangular suspension links 13, which are arranged in the eyes 5 of the straps. The links may be readily detached from the tongues 8, thereby enabling the bed bottom to be readily separated and compactly packed for shipping; and the rods 6 may be removed. The cylindrical spring supporting bars 10 are secured to the bars 11 by clip straps 14, which are passed around the cylindrical bar 10 and have their ends secured to the adjacent bar 11.

The bracket plates are constructed of metal and are fastened to the rail lock blocks 15. The bracket plates are adapted to be secured to the side rails or blocks of any ordinary bedstead and enable the bed bottom to be quickly and easily applied to a bedstead.

The bed bottom is simple and comparatively inexpensive in construction; its parts are all flexibly connected together, and are adapted to assist one another in supporting a weight to prevent one part being subjected to too great a strain; and it may be readily separated for packing and shipping.

What I claim is—

In a bed-bottom, the combination of the supporting bar 11 provided with clip straps 14, the cylindrical bars arranged in the clip straps 14 and extending across the bed-bottom, the springs spirally coiled about the cylindrical bars and secured at their ends to the supporting bars and provided intermediate the coils with inwardly projecting tongues, the longitudinally disposed slats, and the transversely disposed resilient rods passed through the ends of the slats and detachably engaged at opposite sides of the slats by removable U-shaped links which latter detachably engage the projecting tongues of the springs, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES EDWARD MCCLINTOCK.

Witnesses:

S. R. RAMSEY,
T. C. MOORE.