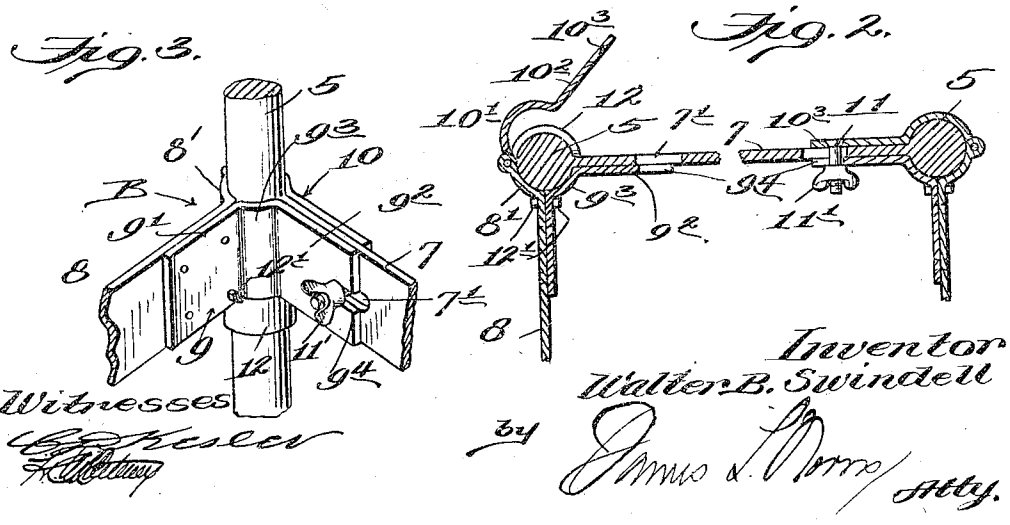
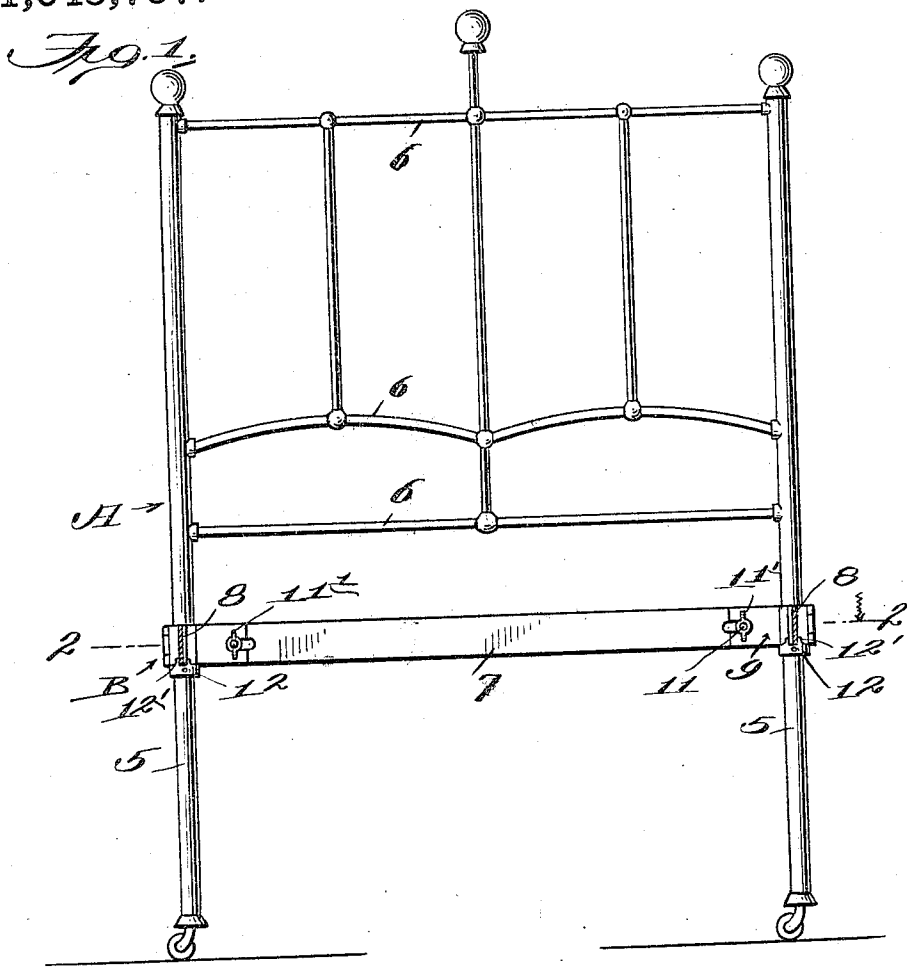


W. B. SWINDELL.
 BED LOCK.
 APPLICATION FILED AUG. 28, 1912.

1,045,757.

Patented Nov. 26, 1912.



UNITED STATES PATENT OFFICE.

WALTER B. SWINDELL, OF RALEIGH, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO LEROY GOLDBERG, OF NEW YORK, N. Y., AND ONE-FOURTH TO FAB H. WEATHERS, OF RALEIGH, NORTH CAROLINA.

BED-LOCK.

1,045,757.

Specification of Letters Patent.

Patented Nov. 26, 1912.

Application filed August 28, 1912. Serial No. 717,513.

To all whom it may concern:

Be it known that I, WALTER B. SWINDELL, a citizen of the United States, residing at Raleigh, in the county of Wake and State of North Carolina, have invented new and useful Improvements in Bed-Locks, of which the following is a specification.

The present invention has reference to bed-clamps, and it resides, briefly, in the production of an improved device of the type indicated, which is designed to effectively lock the side rails of the bedstead to the head and foot pieces, the improvements relating to the structural features of the clamp itself, as hereinafter fully described, and to the means whereby the same is supported and held in place.

An embodiment of the invention is illustrated in the accompanying drawings, wherein:

Figure 1 is a front elevation of one end piece of a bedstead equipped with the improved clamps, the side rails appearing in section; Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1; Fig. 3 is an enlarged perspective view of the clamp, *per se*.

In said drawings, the end piece A, which may be either the head or foot piece, as will be understood, consists of the usual uprights or legs 5 which are connected by the usual upper cross-pieces 6 and the end rail 7. These parts may have any preferred construction.

The side rails 8 are connected to the uprights 5 by means of the improved clamps B which preferably comprise fixed and movable jaws 9 and 10 designed to be fastened together against the end rails 7. In the construction shown in the drawings, the fixed jaw of the clamp has substantially the form of a right-angle and consists of the two wings 9¹ and 9² and the connecting or apex portion 9³, which latter is of concavo-convex formation, so as to fit against the adjacent upright. The wing 9¹ is riveted, or otherwise rigidly fastened to the inner face of the adjacent side rail, at the end thereof, as shown in Fig. 3, while the wing 9² is disposed against the inner face of the adjacent end rail 7. The movable jaw 10 is hinged at its inner end to the concavo-convex terminal portion 8¹ of the side rail and itself comprises a similar portion 10¹ and a flat portion 10², the first-named portion coop-

erating with the portions 8¹ and 9³ in forming a sleeve or socket which encircles the upright. The flat portion 10² of the movable jaw is designed to fit flush against the outer face of the end rail, and that portion, and the corresponding portion or wing 9² 60 of the fixed jaw are removably fastened together and to the end rail by suitable devices, here shown as consisting of a threaded bolt 11 which is passed through registering openings 10³, 7¹, and 9⁴ in the three parts in question, and is provided with a wing nut 11¹ designed to be tightened against the part 9². The opening 10³ is adapted to receive the head of the bolt, while the openings 7¹ and 9⁴ are in the form of slots through 70 which the stem of the bolt projects, the slot 7¹ extending a short distance beyond the adjacent end of the slot 9⁴, which latter opens through the edge of the wing 9², so as to facilitate the withdrawal of the bolt when 75 the movable jaw is swung outwardly away from the end rail.

To support the clamp and, also, the side rail, the upright 5 is provided with a collar 12 which is securely fastened thereto and is 80 formed upon one side with a pair of spaced, upwardly-projecting lugs 12¹, as shown in Figs. 2 and 3. The upper portion of this collar constitutes a support upon which the lower edges of the three concavo-convex 85 parts 8¹, 9³, and 10¹ of the clamp directly rest, and the lugs 12¹ are so arranged as to straddle or project across opposite sides of the part or wing 9¹ and the adjacent portion of the side rail, thus constituting stops 90 which positively preclude lateral movement of the rail and clamp.

From the foregoing, it will be at once apparent that the clamp is simple in its construction, and correspondingly inexpensive 95 to manufacture; can be readily applied to and removed from any head or foot piece of a bedstead of conventional type; and, when so applied, will be perfectly supported by the collar, which latter can be readily raised 100 or lowered, to adjust the height of the rails.

Having fully described my invention, I claim:

1. The combination, with a bed end piece embodying a pair of spaced uprights and a 105 connecting end rail, and a side rail having a concavo-convex terminal portion; of a clamp comprising a movable jaw having a concavo-

convex portion hinged at its free edge to that of the first-named concavo-convex portion and a flat portion arranged against the outer face of the end rail, and a fixed jaw
5 comprising a pair of flat portions and a concavo-convex connecting portion, one of said flat portions being arranged against the inner face of said side rail and the other against that of said end rail, and means for
10 removably connecting the flat portion of said movable jaw and the said other flat portion of said fixed jaw to each other and to said end rail, the concavo-convex portions of said side rail and said fixed and movable
15 jaws coöperating to form a sleeve which encircles the adjacent upright.

2. The combination, with an upright and side and end rails of a bed; of a collar secured to said upright, a clamp secured to
20 said side rail and comprising fixed and movable jaws resting upon said collar, said jaws engaging said upright and the opposite faces of said end rail, a pair of lugs carried by said collar and engaging said side rail and
25 said fixed jaw for holding the same in place,

and means for removably connecting said jaws to each other and to said end rail.

3. The combination with an upright and side and end rails of a bed; of a collar secured to said upright, a clamp carried by
30 said side rail and resting upon said collar, said clamp engaging said upright and said end rail, and retaining means carried by said collar and engaging said side rail and clamp.

4. The combination with an upright and
35 side and end rails of a bed; of a collar secured to said upright, a clamp carried by said side rail and resting upon said collar, said clamp engaging said upright and said end rail, and a pair of retaining lugs carried
40 by said collar and engaging said side rail and clamp.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WALTER B. SWINDELL.

Witnesses:

J. C. ALLISON,

C. H. HOLLOWAY.