E. L. FARROW.

BEDSTEAD LOCK.

APPLICATION FILED SEPT. 3, 1918.

1,288,544.

Patented Dec. 24, 1918.

2 SHEETS—SHEET 1.

FIG. 3.

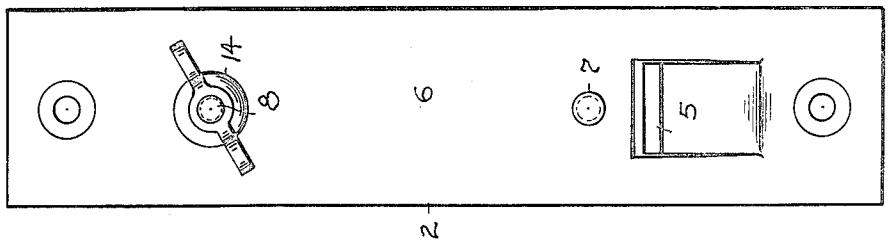


FIG. 2.

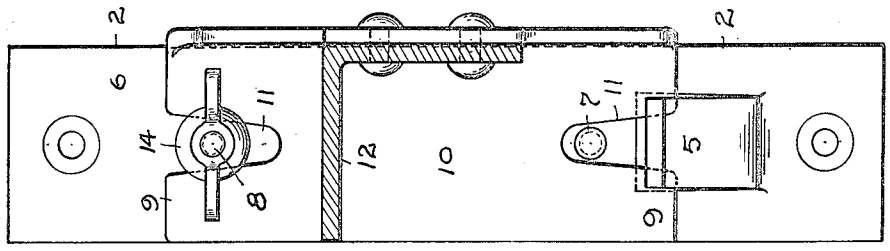
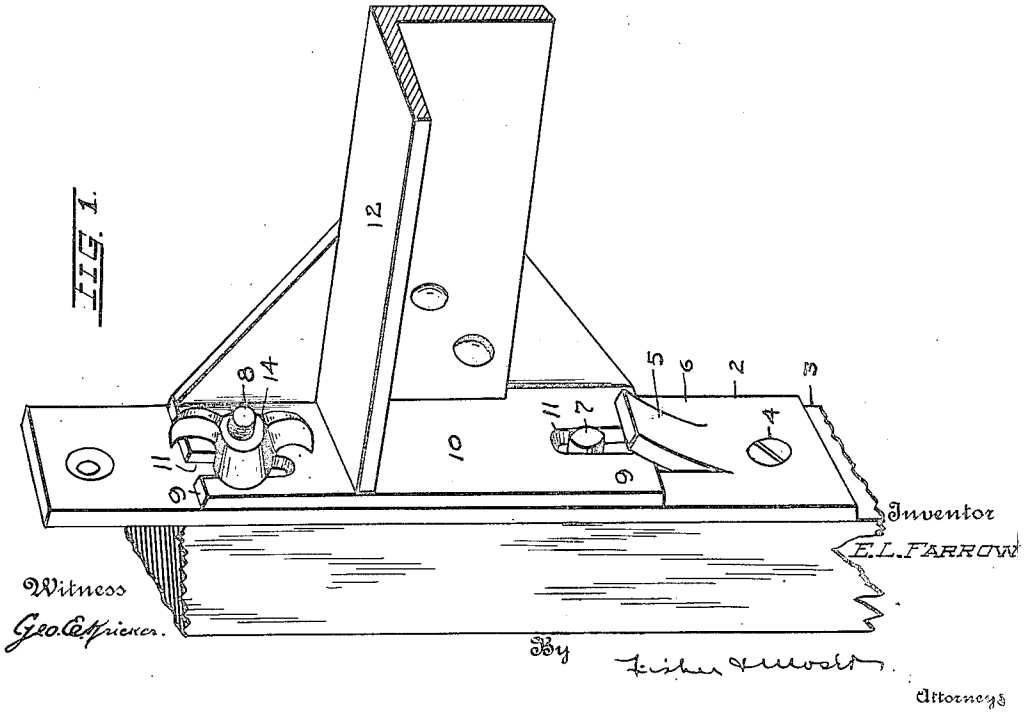


FIG. 1.



Witness
Geo. E. Spiecker.

Inventor
E. L. FARROW

By Fisher & Ellwood

Attorneys

E. L. FARROW.

BEDSTEAD LOCK.

APPLICATION FILED SEPT. 3, 1918.

1,288,544.

Patented Dec. 24, 1918.

2 SHEETS—SHEET 2.

FIG. 6.

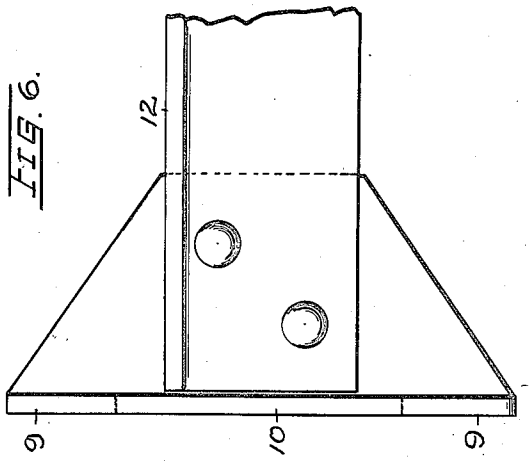


FIG. 5.

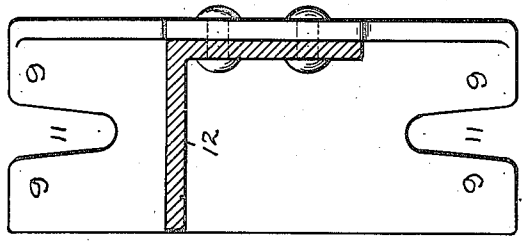
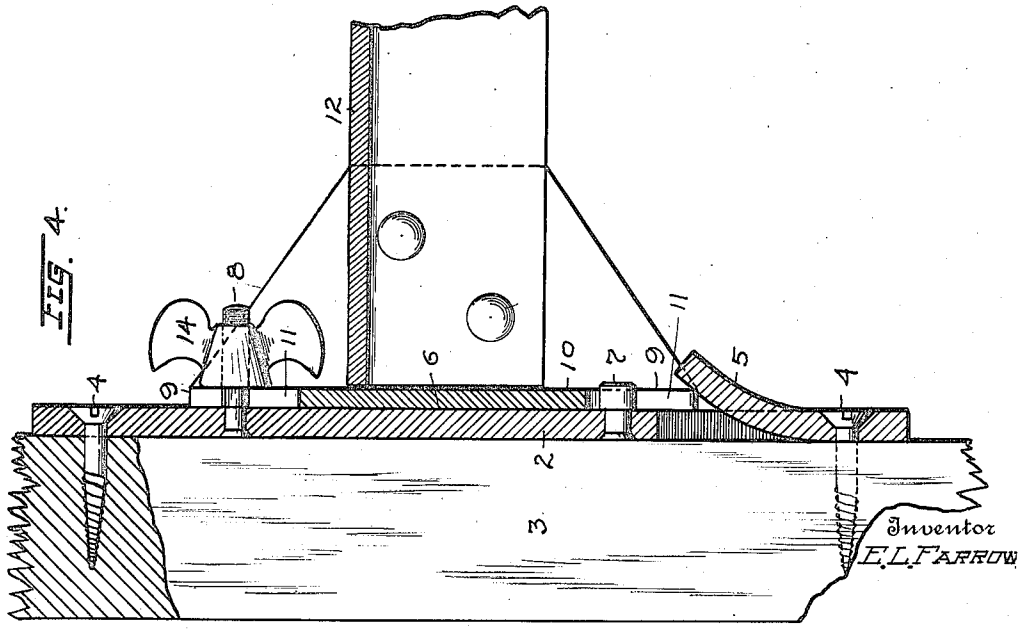


FIG. 4.



Inventor
E. L. FARROW

By Fisher & Woodworth

Attorneys

UNITED STATES PATENT OFFICE.

ERNEST L. FARROW, OF CLEVELAND, OHIO, ASSIGNOR TO THE CLEVELAND WIRE SPRING COMPANY, OF CLEVELAND, OHIO, A CORPORATION.

BEDSTEAD-LOCK.

1,288,544. Specification of Letters Patent. Patented Dec. 24, 1918.

Application filed September 3, 1918. Serial No. 252,336.

To all whom it may concern:

Be it known that I, ERNEST L. FARROW, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Bedstead-Locks, of which the following is a specification.

My invention comprises a bedstead lock which is equally applicable to wood or metal beds, exceedingly simple and strong in construction, and adapted to be made of stamped or pressed metal at a low cost. The lock is also constructed to secure the side rails of the bedstead reversibly in position in a simple and convenient way and with perfect alinement and great clamping effect.

In the accompanying drawing, Figure 1 is a perspective view of my improved bedstead lock. Fig. 2 is a transverse section of the rail showing the locking plate and rail secured together. Fig. 3 is a face view of the locking plate alone. Fig. 4 is a section on a central vertical line through the locking parts affixed to a bedstead post. Figs. 5 and 6 are detail views of one locking end portion of a rail.

The invention consists of a metal plate 2 which in the present showing is flat and adapted to be affixed in a perpendicular position upon a flat bedstead post 3 by screws or bolts 4. A lip 5 of rectangular form is struck up from this plate near its lower end, and this lip projects upwardly and outwardly at an angle of forty-five degrees or less to the perpendicular flat face 6 of the plate. Immediately above this lip and centrally related thereto, is a short stud 7 riveted to the plate, and at a greater distance from this lip at or near the upper end and center of the plate is a longer screw-threaded stud or bolt 8 which may also be riveted to the plate. The distance between the two studs is approximately three inches, whereas the lip 5 is approximately only one-half inch distant from the short stud 7, thereby providing a relatively long flat bearing surface intermediate the studs and placing the short stud in close centering relation to the lip. This lip is also wide enough to extend some distance to each side of the stud so that the bifurcated ends 9 of an angle plate 10 may have wedging engagement with the lip when this slotted end straddles the stud 7, and both the upper and lower ends of angle plate 10 are bifurcated, or in other words, provided with open central slots 11 which are preferably flaring or have a wide entrance to permit convenient assembly and interengagement of the parts. However, it is not intended that the opposite edges of these flaring slots shall bear against the studs with wedging effect. On the contrary, a slight space is left at each side of the stud so that the full weight on the angle plate and the side rail 12 to which it is riveted will bear down upon and be carried by lip 5 and produce an effective wedging and clamping grip on the angle plate 10. In this way stud 7 merely serves as a centering guide and side holding medium for the angle plate 10, thereby contributing to convenient assembly of the parts while not wedging the lock parts too tightly together to prevent easy separability when the thumb nut 14 is removed. This nut by the way is screwed upon the longer stud or bolt 8 and bears against the upper bifurcated end 9 of the angle plate 10 when the lower bifurcated end is resting upon lip 5, and the two slots 11 are alike to permit the rail and angle plate to be reversed or inverted. In this connection it must be understood that both ends of the rail are equipped alike with angle plates and the head and foot posts with corresponding locking plates, and in putting a bedstead together or dissembling the parts, the operation is rendered very easy because the lower bifurcated end 9 of angle plate 10 as it rests upon lip 5 will permit the post plate 2 and the rail plate 10 to turn relatively to each other while the post is resting on the floor and until the two plates are brought into abutting relation and fastened by nut 14.

What I claim is:

1. A bedstead lock, comprising a plate having a lip pressed outwardly and at an inclination to the body thereof and provided with a centering stud and a fastening screw centrally in line with said lip, in combination with a bed rail having an angle plate provided with slotted ends adapted to straddle said stud and screw and rest upon and behind said lip, and a nut for said screw.

2. A bedstead lock, comprising a metal base plate and an angle plate, said base plate having a lip pressed therefrom at an angle

to its face and said angle-plate having opposite bifurcated ends, either one of which is adapted to be seated astride said lip, and means to center and draw said plates together.

3. A bedstead lock, comprising a flat plate having a lip bent outwardly at an angle therefrom and provided with a short stud centrally opposite said lip and a longer screw-threaded stud more remotely therefrom in combination with a rail having an angle plate with slotted ends adapted to straddle said studs, and to rest upon said lip, and a thumb nut for said screw-threaded stud adapted to draw said plates together.

Signed at Cleveland, in the county of Cuyahoga, and State of Ohio, this 27th day of August, 1918.

ERNEST L. FARROW.