No. 608,546. Patented Aug. 2, 1898.

L. COBURN.

BEDSTEAD.

(Application filed Nov. 17, 1897.)

(No Model.)

Fig. 1.

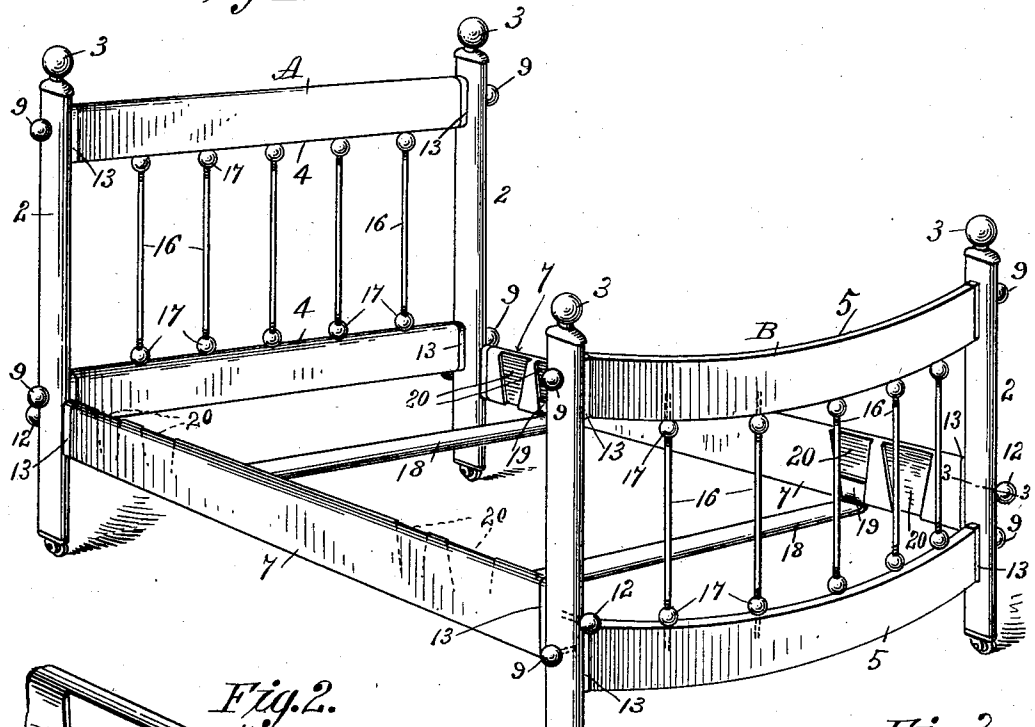


Fig. 2.

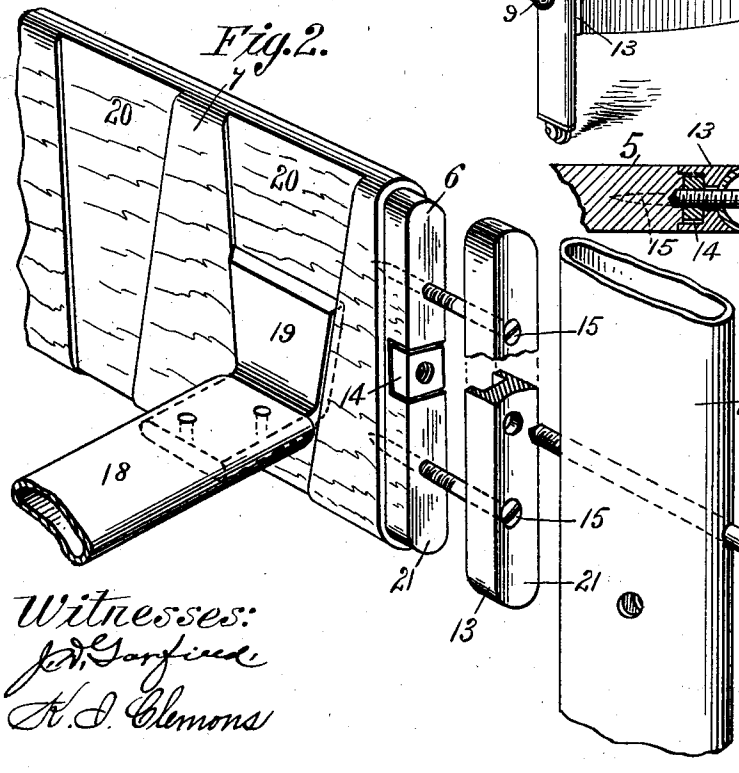
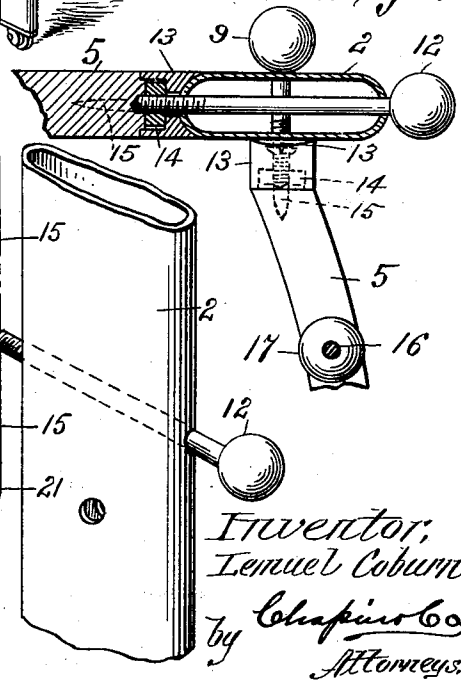


Fig. 3.



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UNITED STATES PATENT OFFICE.

LEMUEL COBURN, OF HOLYOKE, MASSACHUSETTS, ASSIGNOR TO THE COBURN METALLIC BED AND PNEUMATIC TUBE MATTRESS COMPANY, OF SAME PLACE.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 608,546, dated August 2, 1898.

Application filed November 17, 1897. Serial No. 658,856. (No model.)

To all whom it may concern:

Be it known that I, LEMUEL COBURN, a citizen of the United States of America, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Bedsteads, of which the following is a specification.

This invention relates to composite bedsteads in which the parts thereof consist of both iron and wood, the object being to provide an improved bedstead of this description; and the invention consists in the peculiar construction and arrangement of the several parts of the structure, all as hereinafter fully described, and more particularly pointed out in the claims.

In the drawings forming part of this specification, Figure 1 illustrates in perspective view a composite bedstead embodying my improvements. Fig. 2 is a perspective view, somewhat enlarged as compared with Fig. 1, of detail parts of the bedstead, which are hereinafter fully described. Fig. 3 is a sectional view, on line 3 3, Fig. 1, of parts of one post and the adjoining ends of side and end rails and their fastening devices, which are fully described below.

Referring to the drawings, A indicates the head-frame, and B the foot-frame, of the bedstead. Said head-frame comprises the tubular metallic corner-posts 2 2, having thereon the top knobs 3 and the two straight head-rails 4 4, of wood, each of which is secured by its ends to the said corner-posts, as also are the side rails 7 7, as follows: On the ends of said head-rails 4 4 and side rails 7 7 is formed a tenon 6, midway between the ends of which is placed a nut 14 in a recess, as shown. A metallic tenon-cap 13 is provided to inclose said tenon 6, which cap is secured over the said tenon and nut by two screws 15. Upon then placing the rails between said posts 2 the concave edges 21 of said tenon-cap engage with the reverse curves of the edges of the corner-posts, whereby they are held in line with the latter, and the bolts 12 12 are inserted through the said corner-posts and through said tenon-cap 13 into engagement with said nuts 14, the latter now abutting against the inner side of said tenon-cap. Upon now screwing inwardly said bolts 12 the said head-rails 4 4 and side rails 7 7 and corner-posts 2 2 are securely united, and said rails are so held between said corner-posts by the engagement of said tenon-caps therewith, as aforesaid, that they retain the positions shown—*i. e.*, with their outer and inner sides in a plane with the sides of the corner-posts 2, to which they are secured. Said foot-frame B also comprises two of said corner-posts 2 2, and the latter are connected to said side rails 7 7 in the manner above described. Also the foot-rails 5 5, which are of wood and of curved form, as shown, are secured by their ends between their corner-posts by like devices to those employed in securing the ends of said head-rails 4 4 and side rails 7 7 to said posts. However, the bolts which connect said curved rails and their posts are indicated by 9.

For the purpose of providing means for sustaining a mattress on the bedstead which are easily removable dovetail-shaped vertical grooves 20 are formed on the inner sides of said side rails 7 7, to which are fitted the dovetail-shaped lugs 19, fitting said grooves, and two of said lugs are secured one on each end of several metal bars 18, preferably tubular, and the latter are thereby sustained in positions transversely between said side rails 7 7, upon which a mattress or other bedding may be placed. As a matter of ornament, rods 16, each having the metallic balls or spheres 17 fixed thereon near their extremities, are attached to said head and foot frames vertically between the inner opposite edges of the head-rails 4 4 and foot-rails 5 5 thereof by inserting the ends of said rods into suitable sockets formed in said rails, as indicated in Fig. 1. It is obvious that said bolt 12 may have a direct screw engagement with the tenon-cap 13 and the nut 14 be thus omitted; but for bringing the edge of the tenon-cap freely to the most even bearing against the corner-post 2 when drawn by the bolt the nut affords the most freedom of motion.

Having thus described my invention, what

I claim, and desire to secure by Letters Patent, is—

1. A composite bedstead comprising tubular metal posts, several side and end rails of wood extending between said posts, a metallic cap secured against the ends of each of said rails for engagement against the surface of said posts, means in said cap for engaging a screw-bolt therewith and a screw-bolt passing transversely through the post and engaging said cap, substantially as set forth.

2. A composite bedstead made from metal and wood having metallic posts, several side and end rails of wood extending between said posts, and means for connecting the ends of each rail with said posts consisting of a perforated metallic cap receiving each rail end and firmly secured thereon, a nut held within said cap opposite said perforation, and a screw-bolt passing transversely through the post and said perforation, and engaging said nut, substantially as set forth.

3. A composite bedstead comprising a head-frame consisting of two metallic posts, two separated rails of wood extending in right lines between said posts, a foot-frame consisting of two metallic posts, two separated rails of wood extending in curved lines between said posts, two side rails of wood extending between the posts of said head and foot frames, and means for connecting the ends of each rail with said posts consisting of a metallic cap receiving each rail end and firmly secured thereto, means in said cap for engaging a screw-bolt, and a screw-bolt passing transversely through the post and engaging said cap, and drawing the same firmly against the post, substantially as set forth.

4. A composite bedstead comprising a head-frame consisting of two metallic posts, two separated rails of wood extending in right lines between said posts, the vertical rods 16, having the spheres 17, thereon, fixed between said rails, a foot-frame consisting of two metallic posts, two separated rails of wood extending in curved lines between said posts, the vertical rods 16 having the spheres 17 thereon fixed between said rails, two side rails of wood extending between the posts of said head and foot frames, and means for connecting the ends of each rail with said posts consisting of a metallic cap receiving each rail end and firmly secured thereto, means in said cap for engaging a screw-bolt, and a screw-bolt passing transversely through the post and engaging said cap, and drawing the same firmly against the post, substantially as set forth.

5. A composite bedstead comprising tubular metal posts, several side and end rails of wood extending between said posts, vertical grooves, of dovetail form on the inner opposite sides of said side rails, mattress-sustaining tubular metallic bars extending between said side rails having dovetail-shaped lugs on the ends thereof for engagement with said grooves, a metallic cap secured against the ends of each of said rails for engagement against the surface of said posts, means in said cap for engaging a screw-bolt therewith, and a screw-bolt passing transversely through the post and engaging said cap, substantially as set forth.

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