June 30, 1925. 1,544,251

E. LYDING

CRIB CORNER LOCK

Filed May 9, 1923

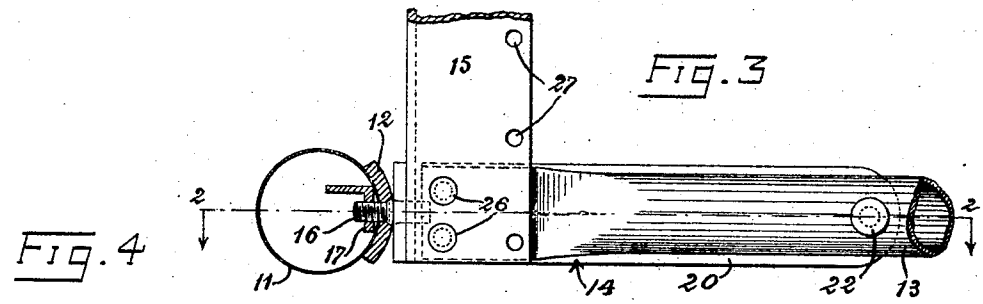


Fig. 3

Fig. 4

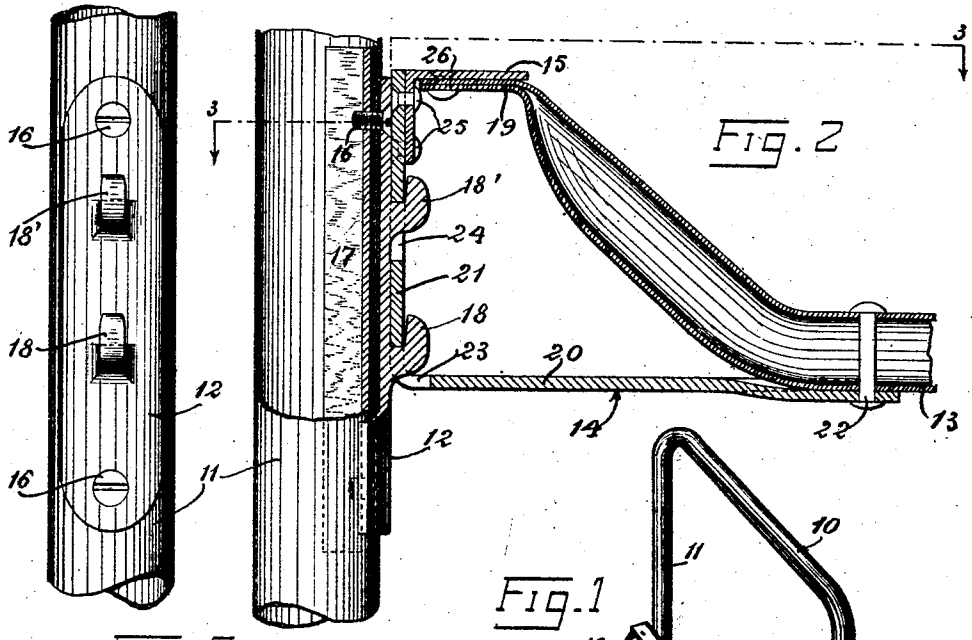


Fig. 2

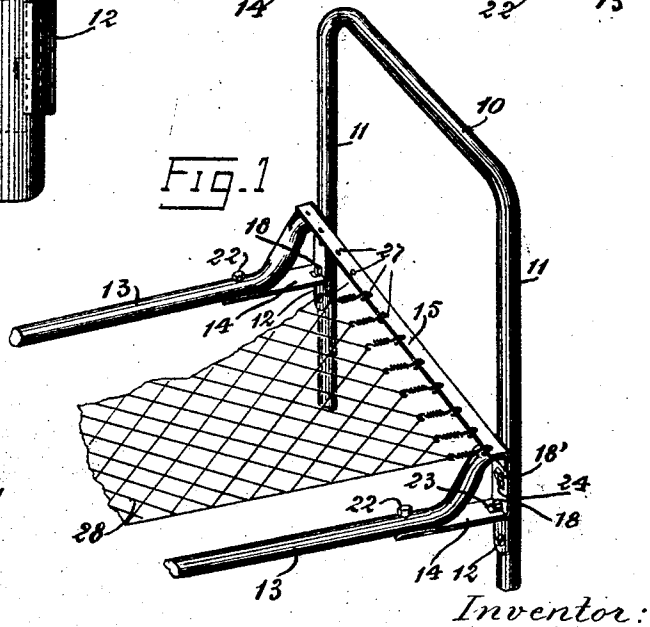
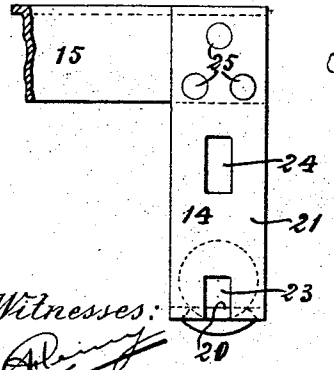


Fig. 1

Fig. 5



Witnesses:

H. D. Penney

Inventor:
Edwin Lyding

By his Att'y F. W. Richards

Patented June 30, 1925. 1,544,251

UNITED STATES PATENT OFFICE.

EDWIN LYDING, OF BROOKLYN, NEW YORK, ASSIGNOR TO S. WEISGLASS & COMPANY, INC., OF BROOKLYN, NEW YORK, A CORPORATION OF NEW YORK.

CRIB CORNER LOCK.

Application filed May 9, 1923. Serial No. 637,740.

To all whom it may concern:

Be it known that I, EDWIN LYDING, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Crib Corner Locks, of which the following is a specification.

The present invention relates to corner locks for cribs, beds and structures in which side members and head and foot members are removably attached to uprights or posts by the corner locks, and one object of the invention is to provide a corner lock of this character comprising a supporting bracket engageable with the upright or post for removably securing a side member thereto, the bracket being unitary with the side member which is supported thereby.

Another object is to provide a corner lock of the character described in which the uprights or posts and the side members associated with the supporting brackets are of tubing, while the brackets and the head and foot members associated therewith are of angle metal.

Another object is to provide a corner lock of the character described which is efficient in use and simple and cheap to manufacture.

I attain these objects by the invention one of the possible embodiments of which is described by way of example in the subjoined specification and illustrated in the accompanying drawing in which Figure 1, is a perspective view of the corner lock in operative assembled form.

Figure 2, is a fragmentary sectional side view showing the portion of an upright or post, one end of a side member, the supporting bracket on the end of a side member, a head or foot member secured to the side member and bracket, and the means for removably securing the bracket to the upright or post, the view being taken on the line 2—2 of Fig. 3.

Figure 3, is a fragmentary plan view, partly in section, on the line 3—3 of Fig. 2.

Figure 4, is a fragmentary perspective view of an upright or post having on one face thereof an attaching plate, and

Figure 5, is an end view of the supporting bracket, and an associated side member and head or foot member.

Similar reference characters denote similar parts throughout the several views.

The invention comprises the head piece 10, having the uprights or posts 11, the attaching plates 12 on the uprights or posts, the side members 13, the supporting brackets generally denoted by 14, and the head or foot members 15.

The head piece 10 is of relatively thin metal tubing bent as shown to provide the uprights or posts 11.

The attaching plates 12 are of suitable metal, preferably concave on their inner sides to conform to the convexity of the uprights or posts. The plates 12 are secured to the face of the uprights or posts in any suitable manner, as by the screws 16 passing through the uprights or posts and threaded into the reinforcing plates 17 arranged on the interior of the uprights or posts, the reinforcing plates preferably being of angle metal for providing stiffness and lightness of weight. The plates 12 have on their outer faces the upturned lugs 18, spaced apart about as shown.

The side members 13 are of metal tubing of sufficient thickness to provide the requisite rigidity. The side members 13 at their ends are bent, as shown in Fig. 2, upwardly at an inclination to the main portion of the side members, and this bent portion is flattened at its end by pressing or squeezing the tubing together to provide a flat or straight end portion 19, extending in a plane parallel to the plane of the main portion of the side members.

The supporting brackets 14, are bars of flat metal bent to form rectangular parts and comprise the horizontal connecting portions 20, and the vertical attaching portions 21, the connecting portions 20 being suitably secured at their free ends, as by rivets or bolts 22 to the under sides of the side members 13, at points near the upward bends of the side members. The horizontal connecting portions 20 and the vertical attaching portions 21 are provided at their uniting angles with the openings or slots

23 common to these portions, and the attaching portions 21 are provided with the openings or slots 24, the lower lugs 18 of the attaching plates 12 being engageable in the openings or slots 23 and the upper lugs 18′ of these plates being engageable in the openings or slots 24 for removably securing the supporting brackets to the uprights or posts.

The attaching portions 21 of the supporting brackets 14 are secured at their free ends to the vertical portions or flanges of the head or foot members 15 as by rivets 25, the head or foot members being bars of angle metal, the horizontal portions or flanges of these members being suitably secured to the flat or straight ends 19 of the side members 13, preferably on the top sides of the straight or flat ends, as by the rivets 26, the supporting brackets 14 thus becoming unitary parts of the side members.

The head or foot members 15 are provided with a series of holes 27 therethrough for attaching a spring fabric, such as 28 thereto.

From the foregoing it will be seen that I provide a unitary bed structure comprising side members, head or foot members and a spring fabric, which structure is removably attachable to the uprights or posts of head or foot pieces by corner locks which are unitary parts of the side members.

Having thus described my invention it should be understood that there may be modifications thereof and variations therein without departing from the spirit of the invention or exceeding the scope of the appended claims.

What I claim and desire to protect by Letters Patent is:

1. In combination, an upright having an attaching plate thereon; a side member having an end portion bent at an inclination to the plane of the main portion of the side member; a supporting bracket having a horizontal portion secured at its free end to the side member near the bend therein and having a vertical portion; means for securing said vertical portion to the free end of the bent portion of the side member; and means appurtenant to the vertical portion of the bracket engageable with means appurtenant to said attaching plate for removably securing the supporting bracket to the upright.

2. In combination, an upright having an attaching plate thereon; a tubular side member having an end portion bent at an inclination to the plane of the main portion of the side member; a supporting bracket having a horizontal portion secured at its free end to the side member near the bend therein and having a vertical portion; means for securing said vertical portion to the free end of the bent portion of the side member; elongated apertures in said vertical portion of the bracket, and means projecting from said attaching plate engageable with the apertures for removably securing the support and bracket to the upright.

3. In combination, an upright having an attaching plate thereon; a tubular side member having an end portion bent at an inclination to the plane of the main portion of the side member and having at the end of said bent portion an end portion extending parallel to the plane of the main portion of the side member; a supporting bracket having a horizontal portion secured at its free end to the side member near the bend therein and having a vertical portion; means for securing said vertical portion to said extending end portion of the side member; elongated apertures in the vertical portion of the bracket, and projecting lugs offset and upturned from the attaching plate for forming interlocking engagement of the side member and the upright.

4. In combination, an upright having a plate thereon provided with spaced lugs; a tubular side member having an end portion bent at an inclination to the plane of the main portion of the side member and squeezed together at the end of the bent portion to provide an end portion extending in a plane parallel to the plane of said main portion; a supporting bracket having a horizontal portion secured at its free end to the side member near the bend therein and having a vertical portion provided with spaced openings for engagement of the lugs of said plate therein; and means for securing said vertical portion to said extending end portion of the side member.

5. In a device of the class described, the combination with tubular uprights having plates attached thereto, side members having bent end portions offset and parallel to the plane of the main portions of said side members, right angled brackets secured at one face to the side members adjacent the bent portion thereof, head members secured to the offset end portions of the side member and then to the other face of the brackets, elongated apertures on the vertical face of the brackets, and offset upstanding lugs on the plate attached to the upright, interlockingly engageable with the apertures of the brackets on the downward movement of the end frames.

6. In combination, uprights having attaching plates thereon provided with spaced lugs; tubular side members having end portions bent at an inclination to the planes of the main portions of the side members and squeezed together at the ends of the bent portions to provide end portions extending parallel to the planes of said main portions; supporting brackets having horizontal portions secured at their free ends to the side

members near the bends therein and having vertical portions provided with spaced openings for engagement of said lugs of the attaching plates therein upon the downward movement of the bracket; transverse head members secured to said extending end portions of the side members and secured to the free ends of the vertical portions of the supporting brackets and means on said head member for attaching a spring fabric thereto.

EDWIN LYDING.

Witnesses:
IRVING BALDINGER,
HAROLD D. PENNEY.