J. F. DAILY.

CRIB.

APPLICATION FILED DEC. 6, 1915.

1,219,262. Patented Mar. 13, 1917.

Fig. 1.

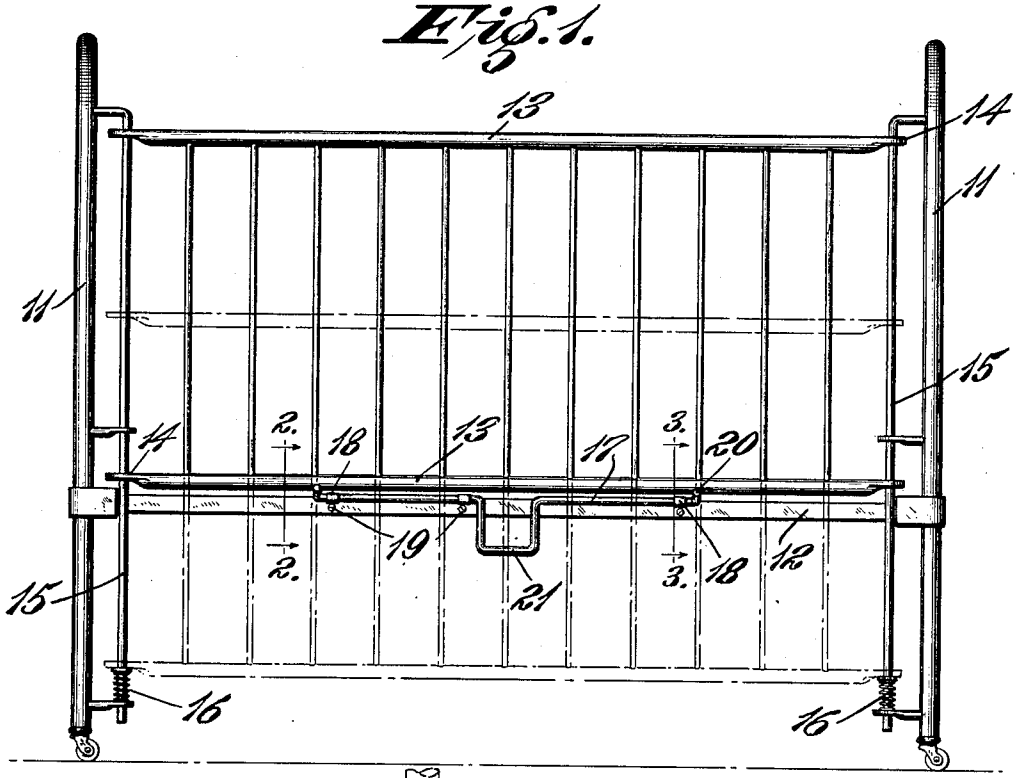


Fig. 2.

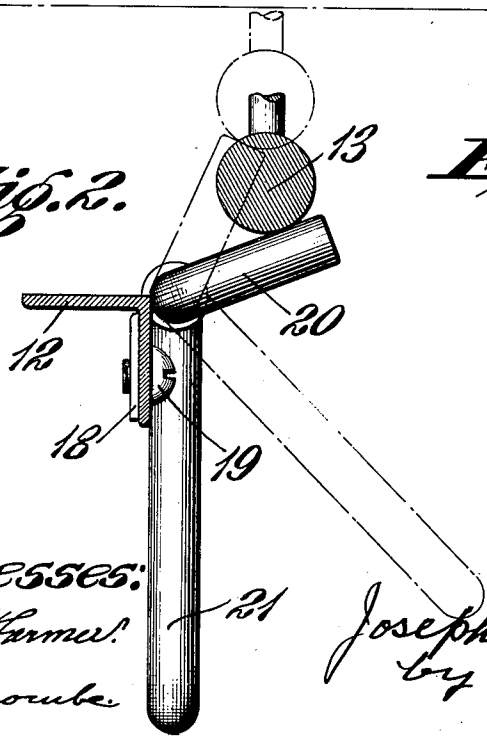
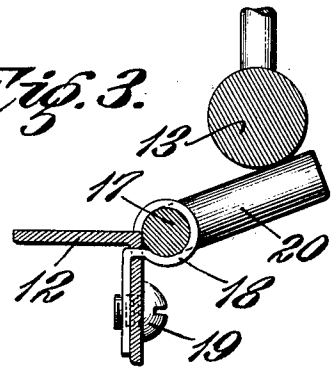


Fig. 3.



Witnesses:
Edgar F. Farmer
Alan Holcombe

Inventor:
Joseph F. Daily,
by Carr & Carr
his Attys.

UNITED STATES PATENT OFFICE.

JOSEPH F. DAILY, OF ST. LOUIS, MISSOURI, ASSIGNOR TO SMITH & DAVIS MANUFACTURING COMPANY OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

CRIB.

1,219,262. Specification of Letters Patent. Patented Mar. 13, 1917.

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To all whom it may concern:

Be it known that I, JOSEPH F. DAILY, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a certain new and useful Improvement in Cribs, of which the following is a specification.

This invention relates particularly to cribs having vertically sliding sides; and it consists in an improved trip or latch for holding the crib side in raised position.

The object of the invention is a self-locking trip or latch for holding up the crib side which can be released by the toe to drop the crib side. Further objects of the invention are simplicity of construction, and the elimination of springs for holding the parts in working position.

What the invention consists in is more fully set forth in the following description of the device shown in the accompanying drawings, and is more particularly defined in the appended claims.

In the drawings, wherein the same reference characters are used to designate like parts in the several views,

Figure 1 is a side elevation of a crib embodying the invention, showing the crib side in raised position in full lines and in lowered position in dotted lines;

Fig. 2 is a cross-section through the side rail of the crib and bottom rail of the crib side, on the line 2—2 in Fig. 1, showing the latch in normal position in full lines and in unlocking position in dotted lines; and

Fig. 3 is a similar cross-section on the line 3—3 in Fig. 1.

As shown in the drawings, the invention is applied to a metal crib having tubular corner posts 11 connected by an angle iron side rail 12. The side rail 12 is arranged with the horizontal leg uppermost and the vertical leg on the outside. The crib side 13 consists of top and bottom rails connected by vertical rods, the ends of the top and bottom rails being provided with eyes 14 which slide on vertical guide rods 15 attached to the corner posts 11. At the lower ends of the guide rods 15 are springs 16 to cushion the sliding side 13 at the bottom of its fall when it is released from its normal raised position.

The locking latch bar 17 is mounted for oscillation in clips 18, which are arranged on the outer side of the angle bar 12, and project through slots in its vertical leg, and are secured thereto on its inner side by means of screws 19, as shown in Fig. 3. The ends of the latch bar 17 are bent outwardly to form latches 20 upon the upper sides of which the lower rail of the crib side 13 rests in its normal raised position. The middle of the latch bar is provided with a crank 21 which hangs straight down in normal position of the latch bar, but which may be swung outwardly by the toe of the operator to release the latches, as shown in Fig. 2. When the crib side is raised from its lowered position, the lower rail strikes the under side of the latches 20 and swings them up until it passes them whereupon the latches fall under the crib rail to support it without further attention on the part of the operator.

The device is simple, compact and strong, and embodies no springs or small moving parts which might cause trouble through breaking or jamming. The invention is not restricted to the precise forms and arrangement of the parts shown in the drawings.

I claim the following as my invention:

1. In combination in a device of the character described, an angle bar side rail having a slot in its vertical leg, and a sheet metal clip having a circularly bent portion constituting a journal bearing arranged on the outer face of said vertical leg, and a stem portion projecting through said slot and bent parallel to the inner face of said vertical leg and secured thereto.

2. In combination in a device of the character described, an angle bar side rail having a slot in its vertical leg near the angle, and a sheet metal clip having one end circularly bent to form a journal bearing, the extremity of which rests on the top of said side rail with the bent bearing portion disposed on the outer face of said vertical leg, said clip having a stem portion projecting through said slot and bent parallel to the inner face of said vertical leg and secured thereto.

Signed at St. Louis, Missouri, this fourth day of December, 1915.

JOSEPH F. DAILY.