

No. 786,730.

PATENTED APR. 4, 1905.

M. C. COLLIER.
FOLDING CRIB.

APPLICATION FILED JUNE 16, 1904.

Fig. 1.

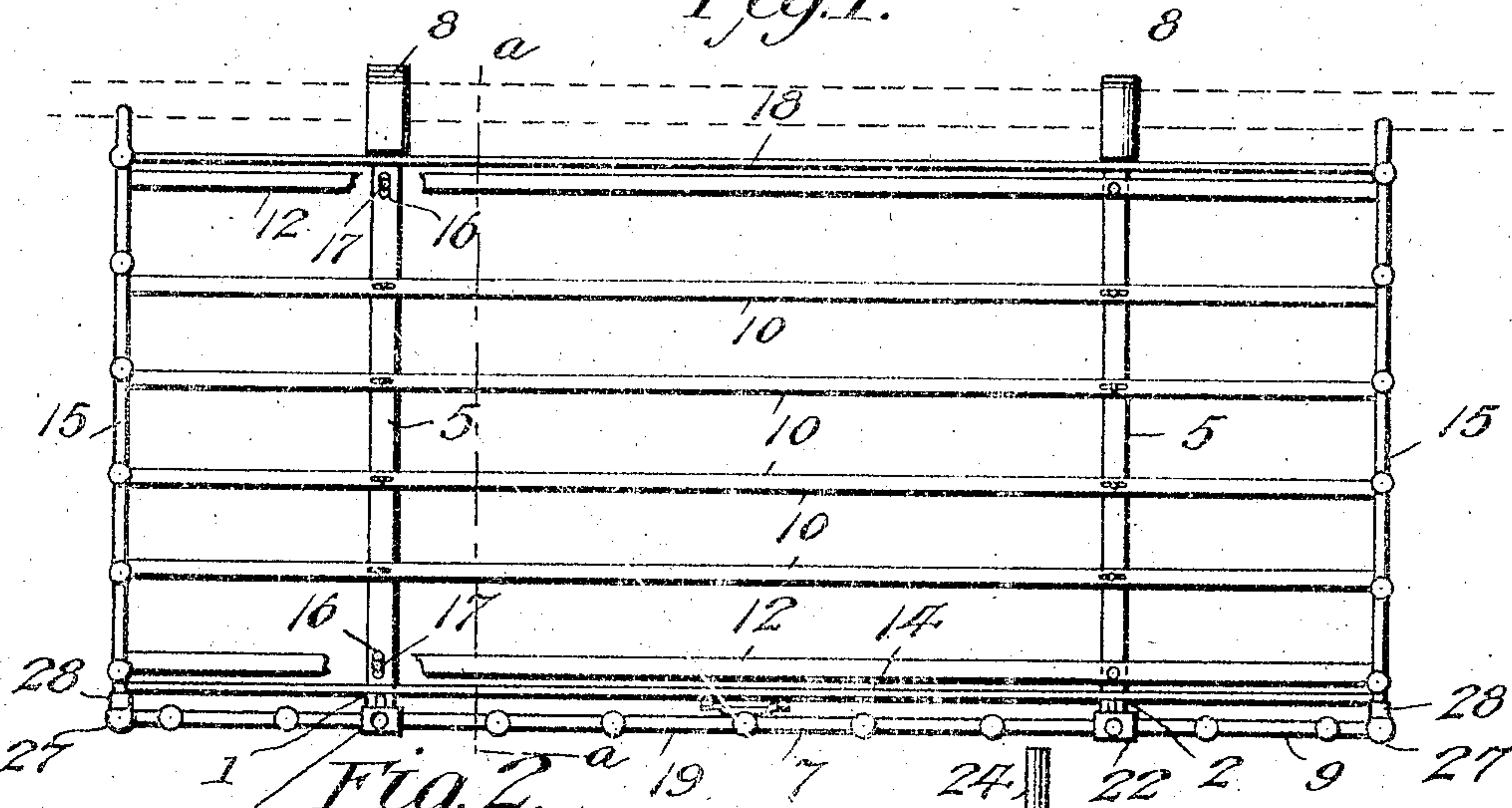


Fig. 2.

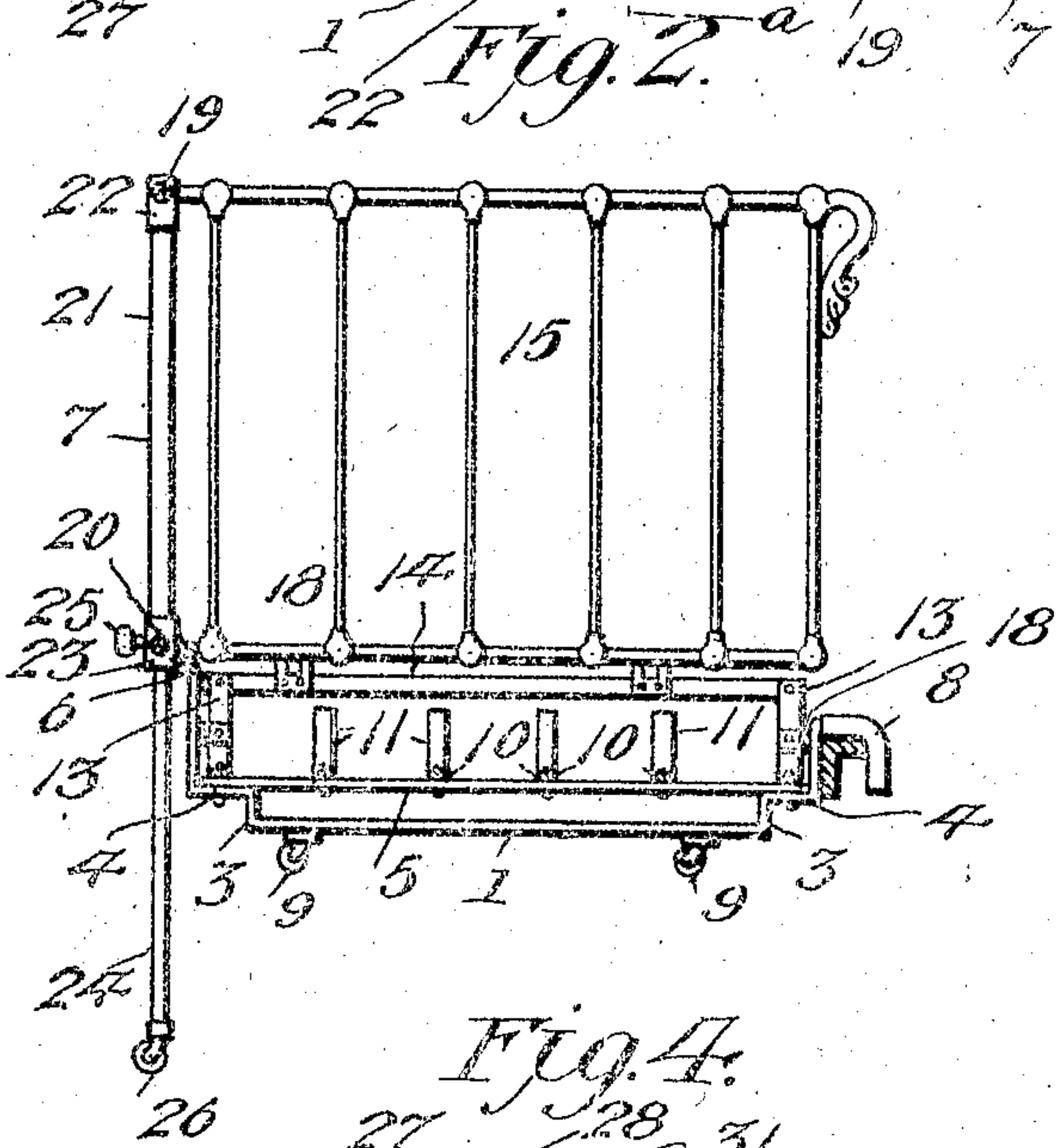


Fig. 4.

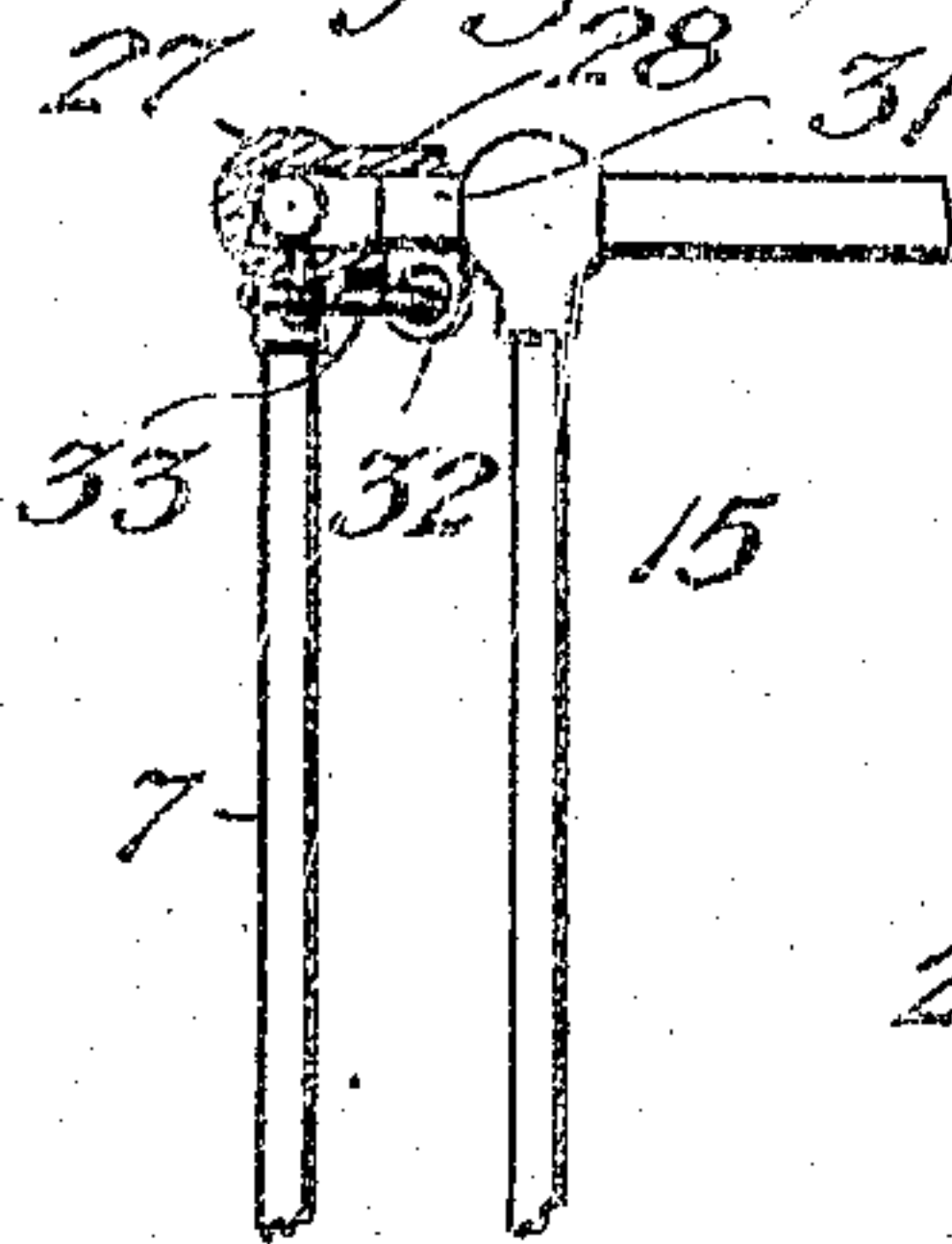


Fig. 5.

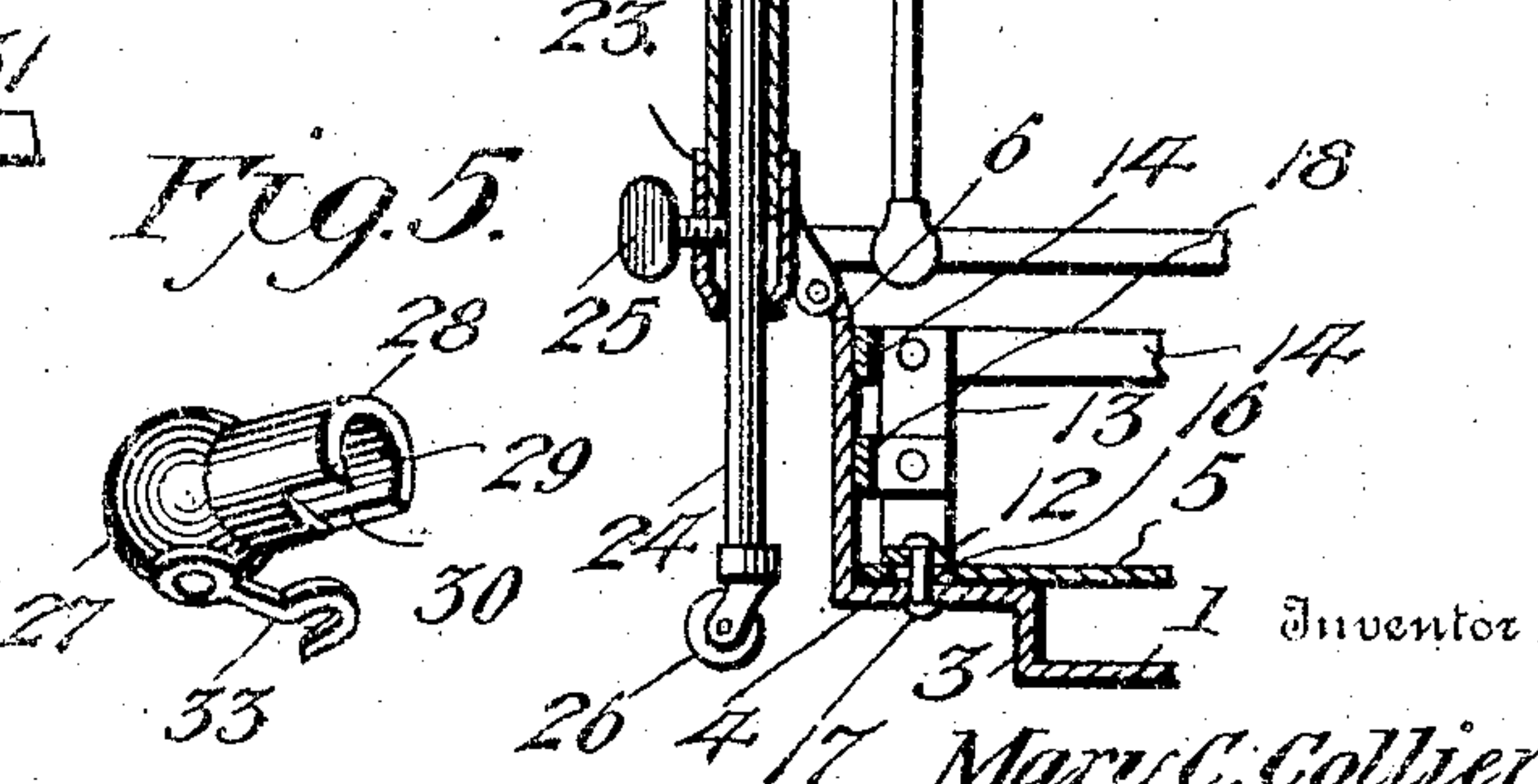
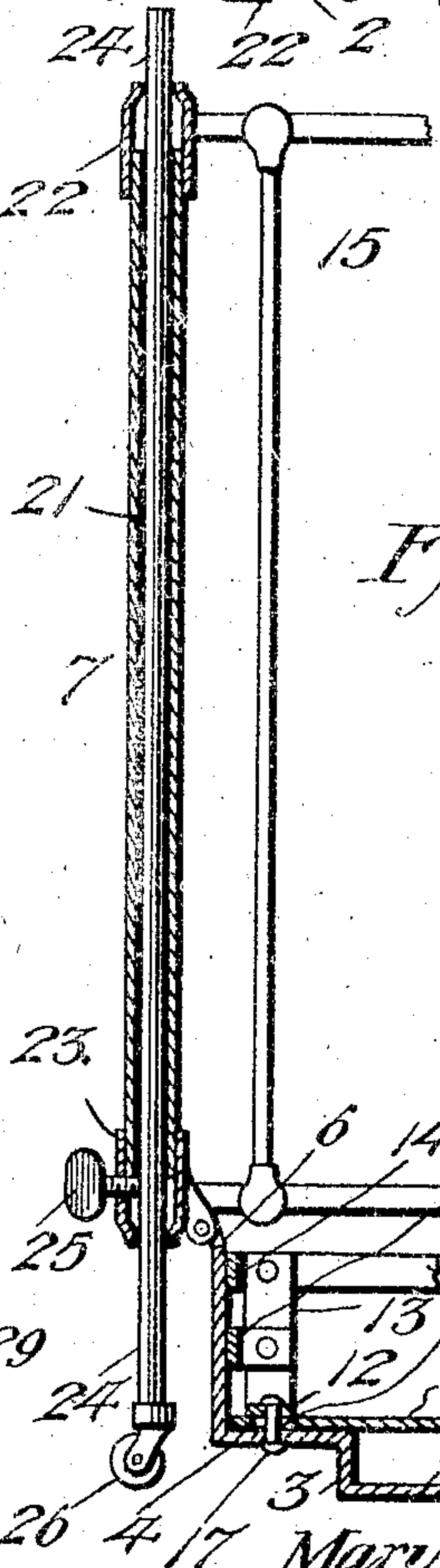


Fig. 3.



Witnesses

Geo. C. L. M. Jr.
W. H. H. L. M. Jr.

334

Victor J. Evans
Attorney

Inventor

Mary C. Collier

UNITED STATES PATENT OFFICE.

MARY C. COLLIER, OF WASHINGTON, DISTRICT OF COLUMBIA.

FOLDING CRIB.

SPECIFICATION forming part of Letters Patent No. 786,730, dated April 4, 1905.

Application filed June 16, 1904. Serial No. 212,809.

To all whom it may concern:

Be it known that I, MARY C. COLLIER, a citizen of the United States, residing at Washington, District of Columbia, have invented new and useful Improvements in Folding Cribs, of which the following is a specification.

This invention relates to a folding crib having one open side next the bedstead, on the rail of which it is attached by hooks, and hinged ends and outer side capable of being folded inwardly to reduce its size and shape to such an extent that it may be conveniently stored or transported.

The principal object of this invention resides in the construction and arrangement of the bottom of the crib so as to produce a spring-surface for supporting a mattress, thus making the bed or crib more comfortable for the occupant by its yielding character.

Another object of the invention pertains to the novel arrangement of the adjustable legs for supporting the outer side of the crib by slidably mounting them in hollow rods which form a part of the folding side of said crib.

A further object of the invention consists of a simple and safe fastening device for holding together the side and ends of a crib which may be quickly disconnected when the crib is to be folded and as readily fastened when it is set up.

In the accompanying drawings, Figure 1 is a plan view of my improved folding crib. Fig. 2 is a view in cross-section on the line *a a*, Fig. 1. Fig. 3 is an enlarged detail view of one of the supporting-legs and its means of attachment to the crib. Figs. 4 and 5 are detail views of the fastening device for connecting the side and ends of the crib.

Similar numerals of reference indicate corresponding parts in all the figures.

In the construction of the crib hereinafter described metal in the form of flat bars or strips, rods, and tubes is used throughout, the strength of the crib being thereby increased and its appearance made lighter and more ornamental.

As shown in the drawings, the numerals 1 and 2 indicate two frame-bars, preferably flat, lying transversely of the crib near each end

and at the bottom thereof, which form the main support of the crib and to which the remaining parts are attached either directly or indirectly. The bars 1 and 2 extend across the crib in a horizontal position to a point near each side of the crib, where they are turned upwardly in a substantially vertical direction, as at 3, and then outwardly to form rests 4 for spring-bars 5. The ends of each bar 1 and 2 are again turned upwardly, those on the outer side of the crib ending in knuckles or hinge members 6, to which are pivoted the side of the crib, while the inner ends of the bars 1 and 2 are bent to form hooks 8, by means of which the crib is detachably connected to the rail of a bedstead. Caster-wheels 9 are preferably secured to the under side of the bars 1 and 2 for convenience in moving the crib over the floor when detached from a bed. Riveted to the spring-bars 5 are a series of parallel strips 10, running lengthwise of the crib from one end to the other, on which strips the mattress is placed. The ends 11 of each strip are turned up to prevent the mattress when placed thereon from slipping endwise out of the crib. A longitudinal strip 12 on each side of the crib and parallel to the strips 10 has its ends 13 turned upwardly to the ends of the strips 10, extending higher. Riveted to the extreme ends of the longitudinal strips 12 is a connecting-strip 14, which extends across the ends of the crib and from one end thereof to the other on the outer side, the ends 15 of the crib being hinged to said strip.

The ends of the spring-bars 5 are slotted at 16, over which the strips 12 pass to be secured by rivets or other suitable fastenings 17, which pass through said strip and the slotted ends of the spring-bars 5 into the rests 4 and fasten these parts to said rests. Strips 18 run lengthwise of the crib on each side and are riveted to the upright ends of the bars 1 and 2 and to the upturned ends 13 of the strips 12.

From the above it will be observed that by forming the bars 1 and 2, as shown, with the rests 4 raised above the bottom of said bars and attaching the ends of the spring-bars 5 to the rests, a yielding or elastic support is provided for the mattress, and, further, by up-

turning the ends of the bars 1 and 2 and the inner ends of the strips 10 and 12 a box-like structure is secured for holding the mattress against displacement.

5 The folding side 7 of the crib is preferably constructed with a round top and bottom rod 19 and 20, respectively, between which are two or more vertical tubular uprights 21, couplings 22 and 23 being used to join the sev-
10 eral parts. Smaller rods also extend between the upper and lower rods 19 and 20. The couplings 22 on the bottom rod 20 are hinged to the knuckles 6 on the bars 1 and 2, as previously described.

15 24 24 represent supporting-legs for the outer side of the crib, which are adapted to slide through the tubular uprights 21 and be held in position by thumb-screws 25, threaded in the lower couplings 23. Caster-rollers 26
20 are preferably attached to the lower ends of the legs and which rest on the floor when the crib is attached to a bedstead-rail.

After the crib has been set up and the side 7 and ends 15 raised it is necessary to con-
25 nect them together that they may retain their open position. For this purpose a fastening device such as represented in Figs. 4 and 5 will be found very convenient. On each end of the upper side rod 19 is attached a knob
30 27 of spherical or other form, from one side of which a shank 28 projects at a right angle to the top rod 19. The shank 28 is socketed at 29 and has its inner side cut away to form a slot 30. At the outer ends 31 of the top
35 bars of each side 15 of the crib are depending lugs 32, each lug having an eye therein. After raising the side 7 and the ends 15 of the crib the projecting ends 31 of the top side bars are inserted in the sockets 29 of the
40 knobs 27, the lugs 32 at the same time passing into the slots 30, there to be engaged by hooks 33, pivoted to the knobs 27. By this means a secure and quickly-operated fasten-
45 ing device for holding open the folding side and ends of a crib is obtained.

While this invention has been described in connection with a folding crib, it is to be understood that the principle of the invention

is also applicable to a crib with fixed or movable sides and ends.

Having thus described the invention, what is claimed as new is—

1. In a crib, a transverse horizontal bottom bar having raised portions at or near the sides of the crib to form horizontal rests for a
55 spring-bottom, one end of said cross-bar projecting upwardly and provided with a hinge member, the other end being formed into a hook.

2. In a crib, a transverse horizontal bottom bar raised at or near the sides of the crib to form rests, spring-bars attached to said rests parallel to said bars, and parallel strips ex-
60 tending the length of the crib and fastened to said spring-bars.

3. A crib having a side and ends, transverse horizontal bars having rests at their ends and each having one end upturned and forming a support to which the side of the crib is hinged and the other end terminating in a hook, lon-
70 gitudinal spring-bars secured with said side strips to the rests of the transverse horizontal bars, and strips attached to the upturned ends of said side strips, and to which the ends of the crib are hinged, and means for coup-
75 ling the side and ends of the crib.

4. In a crib, a mattress-supporting frame, transverse bars below said frame having raised portions or rests to support said frame above said transverse bars, longitudinal side
80 strips attached to said raised portions or rests and having upturned ends, and a strip attached to the upturned ends of said side strips.

5. In a crib, a mattress-supporting frame, comprising transverse spring-bars and longi-
85 tudinal strips having upturned ends, the ends of the outermost strips being higher than the others, and a strip passing around three sides of said crib and connected to the upturned
90 ends of the outermost strips.

In testimony whereof I affix my signature in presence of two witnesses.

MARY C. COLLIER.

Witnesses:

KATHARINE ALLEN,
GEORGE M. BOND.