J. C. COLLINS.

SWINGING CRADLE.

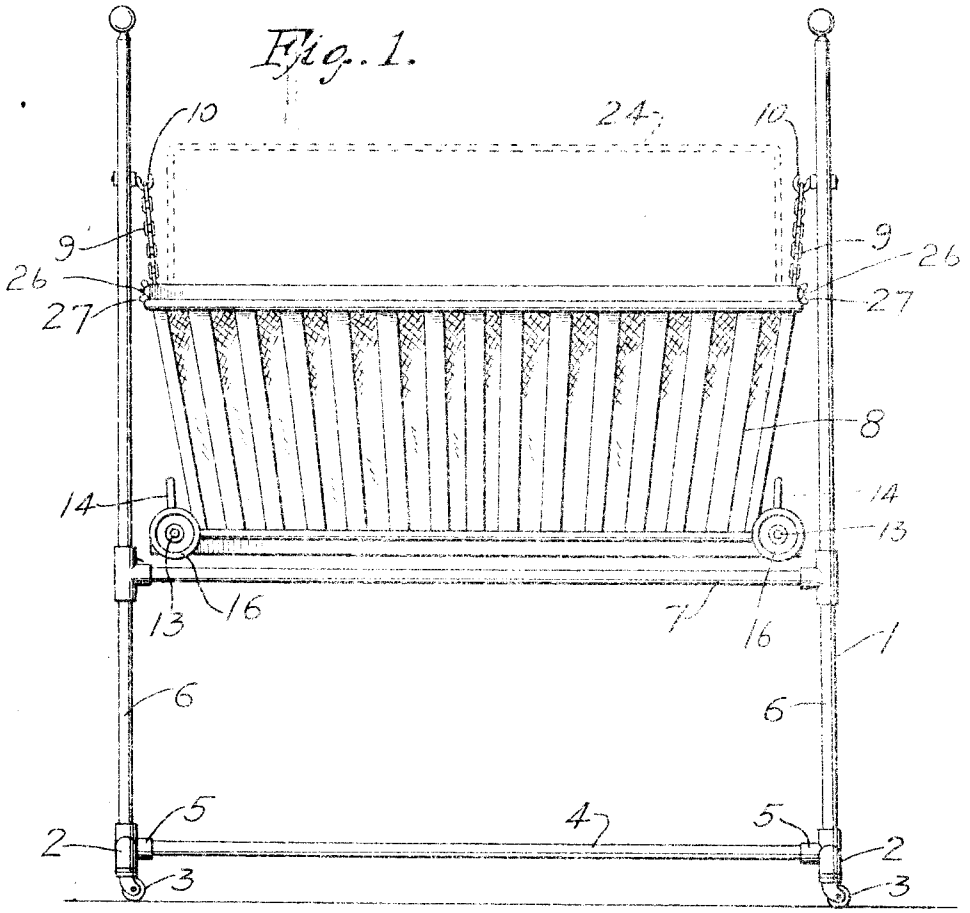
APPLICATION FILED APR. 6, 1913.

1,102,140.

Patented June 30, 1914.

2 SHEETS—SHEET 1.

Fig. 1.



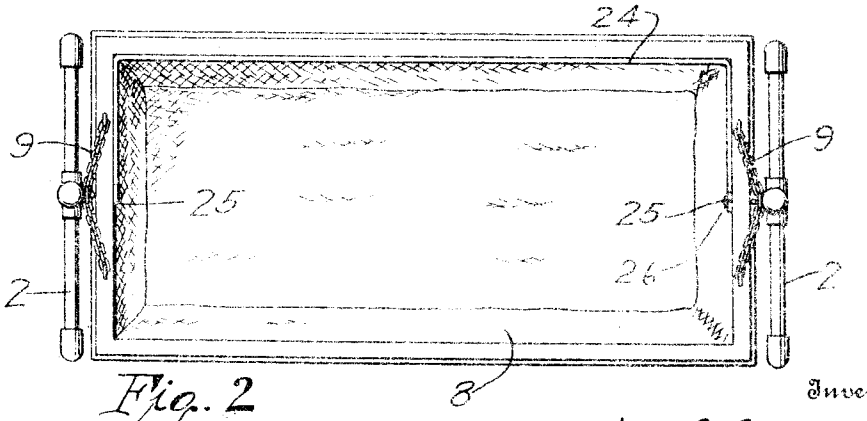


Fig. 2

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2 SHEETS—SHEET 2.

Fig. 3.

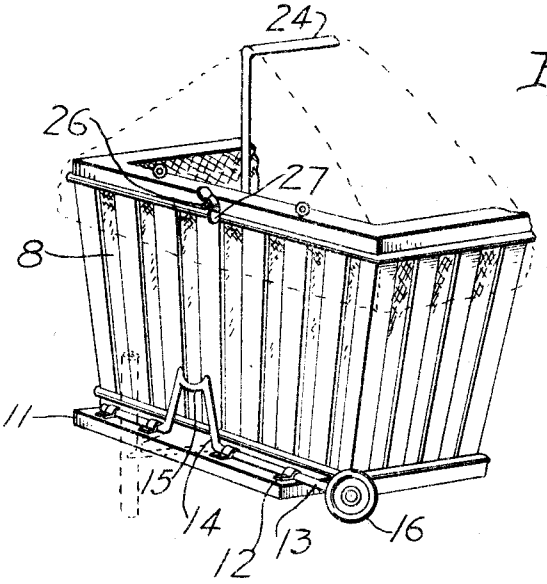
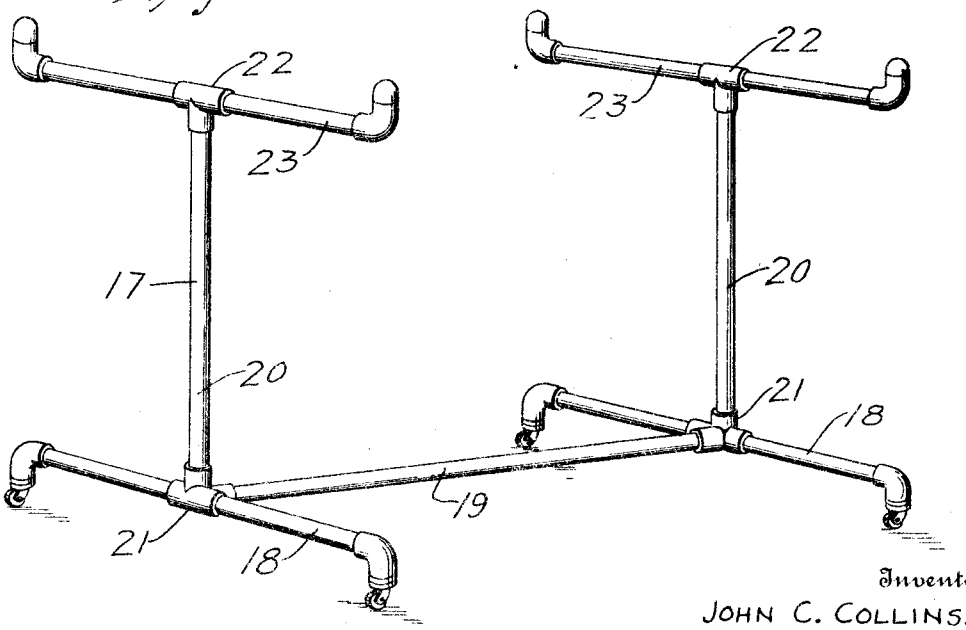


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SWINGING CRADLE.

1,102,140. Specification of Letters Patent. Patented June 30, 1914.

Application filed April 5, 1913. Serial No. 758,152.

To all whom it may concern:

Be it known that I, JOHN C. COLLINS, a citizen of the United States, residing at West Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Swinging Cradles, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in cradles and the like and more particularly to an improved swinging cradle and support therefor and my object is to provide a device of this character which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

A further object of the invention resides in providing improved means in connection with a cradle for locking the same on its swinging support to retain said cradle in a stationary position.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claim.

In the accompanying drawings forming a part of this application, Figure 1 is a side elevation of a cradle mounted in its swinging support. Fig. 2 is a plan view thereof. Fig. 3 is a detail perspective view of one end of the cradle showing the locking means in connection therewith. Fig. 4 is a perspective view of the adjacent supporting member for the cradle.

In describing my invention, I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views and in which—

1 indicates a support consisting of a pair of inverted U-shaped bars 2, the arms of which are provided with rollers 3 thereon, whereby said bars 2 may be said to form a base member for the device and a longitudinal bar 4 which is connected to said bars 2, by means of the L-shaped unions 5, braces and retains said bars 2 in proper position. The support also contains a pair of vertical end bars or uprights 6, the lower ends of which are supported in the L-shaped unions 5, and said bars 6 are braced by a longitudinal bar 7, which connects the same at a point just below the centers thereof.

A cradle 8 is provided, the same being of the usual or any preferred design, the upper end rails of which have connected thereto the flexible connections 9. Loosely or rotatably mounted in the uprights 6, adjacent the extreme upper ends thereof are the hook members 10 with which are engaged these flexible connections 9 and it will thus be seen that said cradle 8 is swingingly supported in the frame or support 1. I have provided a means, however, for locking the cradle in a stationary position in the support 1 and to this end, the base or bottom of said cradle 8 is provided with slight extensions 11, at the ends thereof. Mounted transversely of each extension 11, to oscillate in bearings 12 thereon is a shaft 13, the intermediate portion of which is looped outwardly in a crank-like manner, as shown at 14, and the extreme outer portion of the loop is then additionally looped as shown at 15 to provide a substantial notch or the like. This crank-like loop portion 14 of the shaft 13 projects beyond the edge of the extension 11, as shown in Fig. 3 and the notch or inwardly looped portion 15 thereof is adapted to receive therein the one end upright or standard 6, when said shaft 13 is oscillated in one direction. In order to swing or rock the shaft 13, a handle member or knob 16 is provided at the end thereof which projects to one side of the cradle 8, at the end of the latter. It will thus be seen that when said handle member or knob 16 is turned in one direction, the shaft 13 will be correspondingly swung therewith to permit the notched portion 15 of the same to engage the one end standard 6, thereby locking the cradle against a swinging movement and retaining the same in a substantially stationary position in the member 1. When said handle member 16 is disposed in the opposite direction, the rock shaft 13 will be so disposed as to raise this looped portion 14, thus disengaging the notch 15 thereof from the referred to end standard 6 and again permitting said cradle to be swung in the member 1.

As the flexible connections 9 are loosely engaged with the hook members 10, the same may be readily disengaged therefrom and I have provided a stationary and improved support for the cradle 8, when the latter is removed from this frame 1. To this end, a support 17 is provided, which consists of a pair of substantial inverted U-shaped bars 18, similar to the bars 2 and

having rollers thereon. These bars 18 are connected by a longitudinal bar 19 in the same manner as the bar 4 is connected to said bars 2 and a pair of end bars 20 are provided which are connected to the unions 21 which secure the bar 19 to the bars 18. The upper ends of these end bars 20 are provided with T-shaped unions 22 which receive therein the additional U-shaped bars 23, the latter forming brake supporting means for the cradle 8, when the latter is removed from the aforesaid frame 1. I have also provided means for supporting a canopy, hood or similar device over the cradle 8, and to this end, a substantial inverted U-shaped bar 24 is provided. This bar 24 is of elongated type, the free ends of the arms thereof being provided with eyes 25 through which extend bolts 26, the latter extending through the upper end rails of the cradle 8. The outer ends of these bolts 26 are engaged by thumb nuts 27 which, obviously, admit of adjustment, whereby said bar 24 may be adjusted to various positions with respect to the cradle.

From the forgoing description of the construction of my improved device, the operation thereof will be readily understood and it will be seen that I have provided a device which is simple and durable in construction, inexpensive to manufacture and one which will be very efficient and useful in operation.

While I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described this invention, what is claimed is:

The combination with a pair of supporting posts arranged in spaced relation to one another, and a member mounted for swinging movement therebetween, said member having longitudinal projecting portions at the ends thereof; of rock shafts mounted transversely on the projecting base portions of said member and adapted for oscillation thereon, the intermediate portions of said rock shafts being looped to form laterally extending arm portions thereon, the outer crown portions of the arms on said rock shaft being bent inwardly to form notches therein, and handle members formed on the outer ends of said rock shafts to operate the latter and cause the notches in the arm portions thereof to be engaged and disengaged with the supporting posts.

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

JOHN C. COLLINS.

Witnesses:
ROBERT HAMMOND,
DAVID A. HAMMOND.