I. JAKLICH.

FOLDING BEDSIDE CRIB.

APPLICATION FILED AUG. 1, 1919.

1,331,647.

Patented Feb. 24, 1920.

3 SHEETS—SHEET 1.

Fig. 1

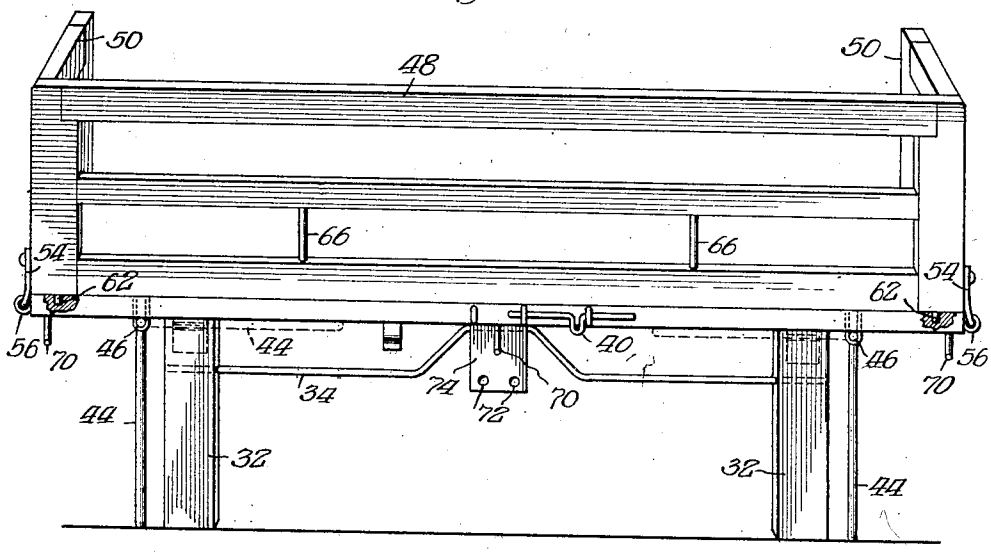
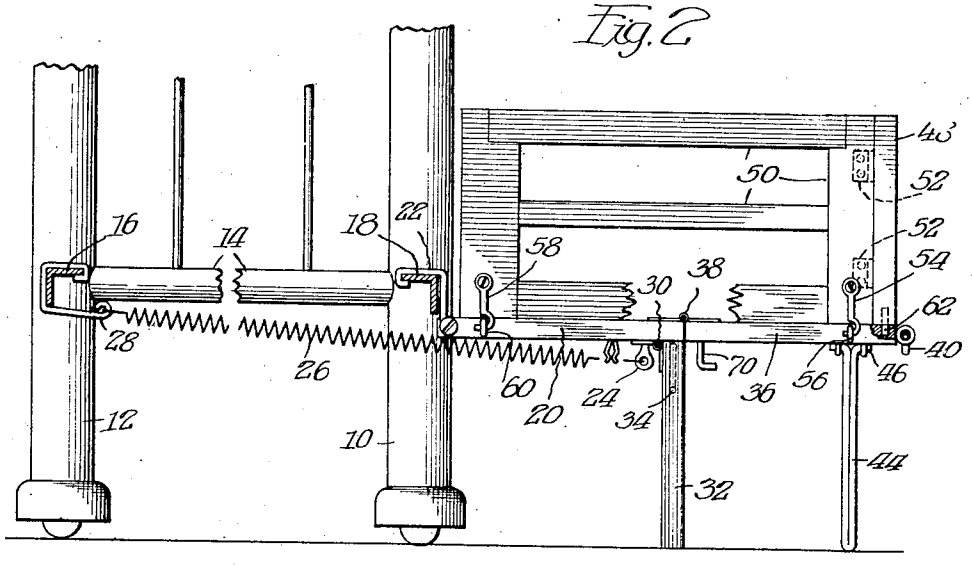


Fig. 2



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3 SHEETS—SHEET 2.

Fig. 3

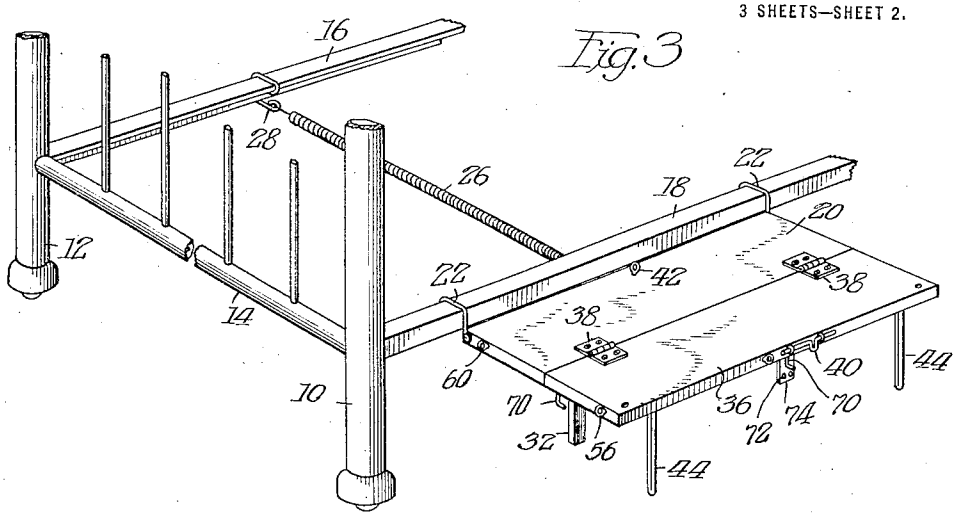
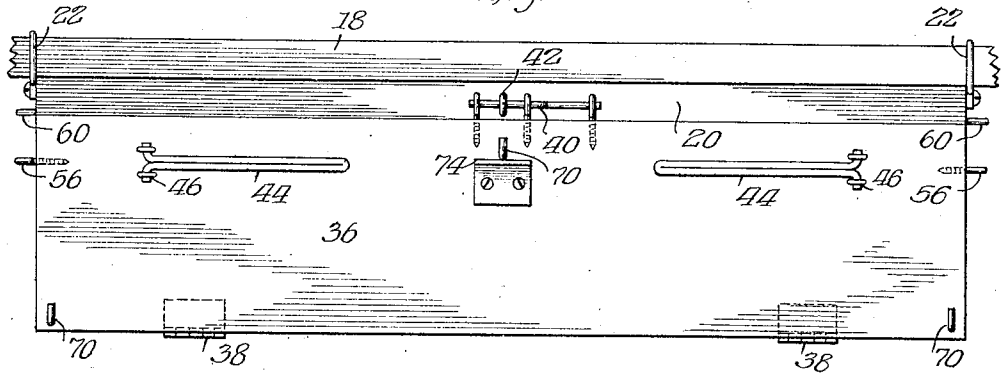


Fig. 4



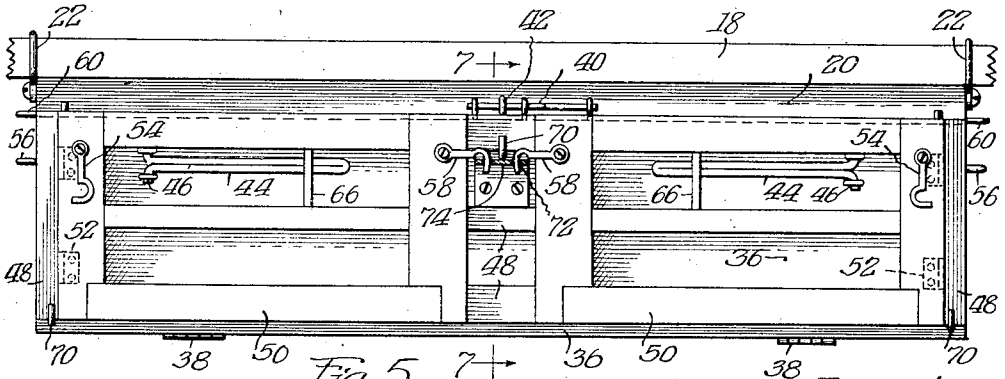


Fig. 5

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3 SHEETS—SHEET 3.

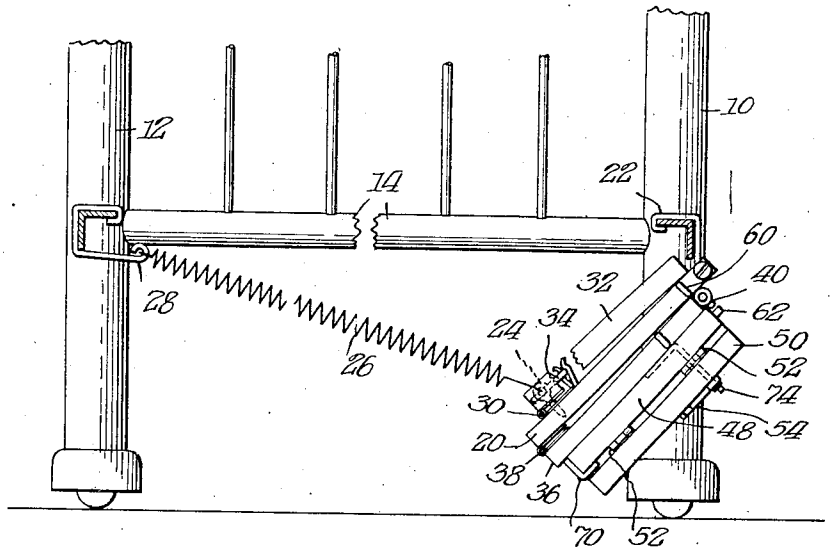


Fig. 6

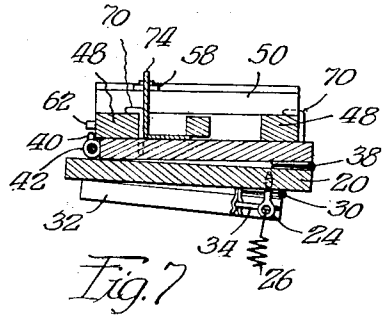


Fig. 7

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UNITED STATES PATENT OFFICE.

IVAN JAKLICH, OF GARY, INDIANA.

FOLDING BEDSIDE-CRIB.

1,331,647. Specification of Letters Patent. Patented Feb. 24, 1920.

Application filed August 1, 1919. Serial No. 314,747.

To all whom it may concern:

Be it known that I, IVAN JAKLICH, a subject of Jugo-Slavia, State of Croatia, having declared my intention to become a citizen of the United States of America, residing at Gary, in the county of Lake and State of Indiana, have invented a certain new and useful Improvement in Folding Bedside-Cribs, of which the following is a specification.

This invention is a crib for application at the side of an ordinary bedstead, adapted, when fully extended, to form a comfortable and safe sleeping compartment for an infant, and adapted, when collapsed and folded up, to automatically swing under the bed where it is out of the way and partially concealed.

The object of the invention is to provide a device of this class, which is compact in form, easily made and assembled, which is satisfactory in operation and is not readily liable to get out of order.

The invention consists of a crib of greater normal width than the distance from the side rail of the bed to the floor, which is capable of carrying out the foregoing objects. More particularly, the invention consists in the many features and details of construction which will be hereafter more fully set forth in the specification and claims.

Referring to the drawings, in which similar numerals indicate the same parts throughout the several views,

Figure 1 is a perspective view taken from the side of the bed of mechanism illustrating this invention in its preferred form in the position which the device assumes at the side of the bed, ready for use.

Fig. 2 is an end view of the mechanism of Fig. 1, together with the bedstead to which it is attached.

Fig. 3 is a perspective view of the bedstead and crib base platform, as shown in Figs. 1 and 2, the inclosing rail appearing in Figs. 1 and 2 being removed.

Fig. 4 is a side view of the parts of Fig. 3, with the base plate only of the crib folded up ready to be swung under the bed.

Fig. 5 is the same view as Fig. 4, with the rail mechanism of the crib attached to the folded base plate.

Fig. 6 is an end view of the bed with the completely collapsed mechanism of Fig. 5 swung under it.

Fig. 7 is a sectional view on the line 7—7 of Fig. 5, but swung through an angle of 90° to the position which the completely folded device assumes on the completion of the collapsing operation and preparatory to allowing the parts to swing to the position of Fig. 6.

In the drawings, two bed legs 10 and 12, one end rail 14 and two side rails 16 and 18 are shown, this being all that is required to illustrate the application of the device of this invention to any sort of a bed. Applied along the rail 18 and parallel thereto is a horizontal supporting board or plate 20 so pivotally attached to the rail 18 by means of hooks 22 that it swings around the rail at right angles to it, and having on its underside an eyelet 24 to which is connected a retractile spring 26 whose opposite end is attached by a suitable hook 28 to the opposite bed rail 16. Pivotally mounted on the underside of this member 20 by suitable hinges 30 is one or more legs 32 connected by any suitable means, as for instance the wire rod 34, to move in unison between the position shown in Figs. 1, 2 and 3, where these legs support the member 20 in horizontal position with reference to the bed, and the collapsed position shown in Figs. 6 and 7. If the member 20 be treated as a bed seat and the parts hereafter described be omitted, the mechanism thus far described is shown, described and claimed in my earlier patent application, Serial Number 263,075, filed November 18, 1918.

But while member 20 may do as a seat for a person to sit on, it is not of sufficient width for a child to sleep on, and the problem solved by this invention is the combining with the parts previously described, such parts as will make the seat 20 into a suitable child's crib, which is collapsible and retractable by the spring 26 under the bed.

In order to accomplish the above mentioned purpose, a supplemental board or plate 36 is pivoted to the outer edge of member 20 by some sort of suitable hinge construction, as for instance hinges 38, so positioned and arranged that when the parts are in the position of Fig. 3, member 36 can fold over onto member 20; or to describe it in another way, up against the outside of member 20 when member 20 is moved to a position where it hangs down directly under the rail 18, as shown in Fig. 4. For purposes of

description, the two members 20 and 36, heretofore described, will be referred to together as the crib base.

The crib base members 20 and 36 are, at a convenient point, provided with interlocking latch or catch members 40—42 adapted to detachably secure these members together in folded position shown in Figs. 3 to 7 inclusive. When the crib base is in extended position, shown in Figs. 1 to 3, portion 36 is supported from the floor by suitable legs 44, mounted on pivotal hinges 46 on the underside of base member 36. These legs 44 are adapted to be collapsed to the position shown in Figs. 4 to 7 inclusive when the entire crib mechanism is collapsed, as shown.

As a child cannot sleep upon the plain crib base shown in Fig. 3 without retaining devices, for the bed clothing at least, such retaining mechanism is provided in a collapsible crib rail composed of a side member 48 and two end members 50 hinged thereto in any suitable manner as for instance the hinges 52, so as to permit the collapsing of this crib rail mechanism from the extended position of Figs. 1 and 2 to the collapsed position of Figs. 5, 6 and 7. The end members 50 are provided adjacent to their points of hinging to the side member 48 with hooks 54 which engage suitable eyelets 56 on the crib base member 36, and at their outer or swinging free ends with hooks 58 which engage eyelets 60 on the crib base member 20. The crib rail device 48—50 is also secured in position to the crib base member by pins 62 suitably interposed between the base member and the rail member at any points desired for satisfactory operation of the device.

In the particular construction here shown, the crib side member 48 is made up of parallel bars, and as the spaces between certain of them happen to bridge the supporting legs 44 when in the collapsed position described, vertical connecting members 66 are provided at suitable points in the front rail member to engage these legs 44 in collapsed position and prevent their swinging out through the crib rail member 48 when the parts assume the position of Fig. 6.

The crib rail mechanism thus far described, is collapsible from the position of Figs. 1 and 2 to that of Figs. 5, 6 and 7 and is detachably securable to the folded collapsed crib base through the fact that one side of the crib side rail 48 enters and rests upon suitable hooks 70, provided for the purpose on the underside of crib base member 36, while the hooks 58, in this collapsed positon, enter and engage suitable openings 72 in an angular plate 74 mounted upon the underside of crib base member 36 in such a position that when the crib rails are collapsed and applied to the crib base member 36, the hooks 58 engage said perforation 72, as is clearly shown in the drawings.

In the operation of the device, assume that the parts are assembled in the position of Figs. 1 and 2 wherein the operator places suitable bedding inside the crib rails 48—50 and the crib is ready for use for sleeping purposes. When such use is no longer desired, the operator first removes the bedding, then releases hooks 54 and 58, thus releasing the crib rail mechanism, and it can be lifted and folded up ready to be applied as shown in Figs. 5, 6 and 7. The removal of the crib rail mechanism leaves the remaining parts as shown in Fig. 3. The operator now takes hold of crib base member 36, tilts it over on its hinges into engagement with the base member 20 and manipulates the latch member mechanism 40—42 to attach these parts together. He now takes the folded crib rail mechanism, places it on the exposed side of crib base member 36 over the latter's folded down leg members 44, with the rail member in engagement with the hooks 70, and the hooks 58 entering holes 72. The operator now, by kicking action or otherwise, swings legs 34 up against the underside of crib base member 20, whereupon the spring 26 draws the entire mechanism to the position shown in Fig. 6. Obviously, a reversal of the operation just described returns the parts to crib form, ready for use.

It should be noticed that the crib base 20—36 is approximately twice the height of the distance from the rail 10 to the floor, and that notwithstanding this fact, substantially the entire crib mechanism is swung under the bed in collapsed position and held thereby the spring. In actual practice, if a stronger spring is provided than that illustrated in the drawings, the crib mechanism can be drawn farther under the bed than is shown in Fig. 6.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In mechanism of the class described, in combination with a bed and its side rail, a crib having a base member which is, when extended, of greater width than the height of the bed rail from the floor, pivoted to said side rail to swing around it at right angles to it, a spring attached to said crib base and to a remote part of the bed, tending to draw said crib base under the bed, hinge mechanism interposed in the crib base intermediate of its width adapted to permit it to collapse so that it can be swung under the bed, catch mechanism for holding the crib base parts in such collapsed position, and means for supporting the extended crib bed from the floor, for the purposes set forth.

2. In mechanism of the class described, in combination with a bed and its side rail,

a crib having a base member which is, when extended, of greater width than the height of the bed rail from the floor, pivoted to said side rail to swing around it at right angles to it, a spring attached to said crib base and to a remote part of the bed, tending to draw said crib base under the bed, hinge mechanism interposed in the crib base intermediate of its width adapted to permit it to collapse so that it can be swung under the bed, catch mechanism for holding the crib base parts in such collapsed position, and collapsible legs on one of said crib bed sections adapted to support it from the floor when in extended position.

3. In mechanism of the class described, in combination with a bed and its side rail, a crib having a base member which is, when extended, of greater width than the height of the bed rail from the floor, pivoted to said side rail to swing around it at right angles to it, a spring attached to said crib base and to a remote part of the bed, tending to draw said crib base under the bed, hinge mechanism interposed in the crib base intermediate of its width adapted to permit it to collapse so that it can be swung under the bed, catch mechanism for holding the crib base parts in such collapsed position, and independent collapsible legs on each of said crib base sections adapted to support the extended crib base from the floor.

4. In mechanism of the class described, in combination with a bed and its side rail, a crib base section extending parallel thereto, means detachably pivotally hooking it upon said rail to swing around it at right angles to it, a second crib base section outside the first, hinge connections between said two crib base sections arranged to permit the swinging of the outer section over onto the first section while it is in extended position, means for detachably securing the outer base section in said collapsed position, collapsible leg mechanism for selectively sustaining either or both of said crib base sections from the floor in extended position by the side of the bed rail, and means adapted to draw said collapsed crib base section under the bed when the sections are folded together and the supporting leg mechanism is collapsed, for the purposes set forth.

5. In mechanism of the class described, in combination with a bed and its side rail, a crib base section extending parallel thereto, means detachably pivotally hooking it upon said rail, a second crib base section outside the first, hinge connections between said two crib base sections arranged to permit the swinging of the outer section over onto the first section while it is in extended position, means for detachably securing the outer base section in said collapsed position, collapsible leg mechanism for selectively sustaining either or both of said crib base sections from the floor in extended position by the side of the bed rail, means adapted to draw said collapsed crib base section under the bed when the sections are folded together and the supporting leg mechanism is collapsed, a supplemental crib rail mechanism adapted, when extended, to inclose the crib base mechanism and adapted, when collapsed, to be secured in collapsed form to the collapsed crib base sections, and means for detachably securing the crib rail mechanism in either of said selected positions.

6. In mechanism of the class described, in combination with a bed and its side rail, a crib base section extending parallel thereto, means detachably pivotally hooking it upon said rail, a second crib base section outside the first, hinge connections between said two crib base sections arranged to permit the swinging of the outer section over onto the first section while it is in extended position, means for detachably securing the outer base section in said collapsed position, collapsible leg mechanism for selectively sustaining either or both of said crib base sections from the floor in extended position by the side of the bed rail, and means adapted to draw said collapsed crib base section under the bed when the sections are folded together and the supporting leg mechanism is collapsed, and a supplemental crib rail mechanism adapted, when extended, to inclose the crib base mechanism and adapted, when collapsed, to be secured in collapsed form to the collapsed crib base sections, and means for detachably securing the crib rail mechanism in either of said selected positions, the securing mechanism being essentially the same device in each case, for the purposes set forth.

7. In mechanism of the class described, a collapsible crib mechanism comprising two base members hinged together to swing from a position where they extend from each other in a common plane to a position where they lie parallel and adjacent to each other, means for detachably securing said base members in the latter position, collapsible legs upon the same side of each of said base members when in extended position, and means for pivotally attaching one edge of one of said base members to the bed rail.

8. In mechanism of the class described, a collapsible crib mechanism comprising two base members hinged together to swing from a position where they extend from each other in a common plane to a position where they lie parallel and adjacent to each other, means for detachably securing said base members in the latter position, collapsible legs upon the same side of each of said base members when in extended position, means for pivotally attaching one edge of one of said base members to the bed rail, a crib rail

mechanism comprising a side rail member adapted to extend along the edge of the base member which is not pivoted to the hook mechanism and with hinged end members adapted, when extended, to bridge the combined width of the two extended base members, means detachably securing the crib rail mechanism in such extended position, and means on the underside of the crib base member which is not attached to the hooks when it is in extended position to which said crib rail securing mechanism may attach itself when the parts are in collapsed position to secure the crib rail mechanism to the collapsed base mechanism.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

IVAN JAKLICH.

Witnesses:
DWIGHT B. CHEEVER,
M. S. ROSENZWEIG.