

July 10, 1945.

E. W. WORLEY

2,380,355

GLIDER-CRADLE

Filed June 24, 1942

2 Sheets-Sheet 1

*Fig. 1.*

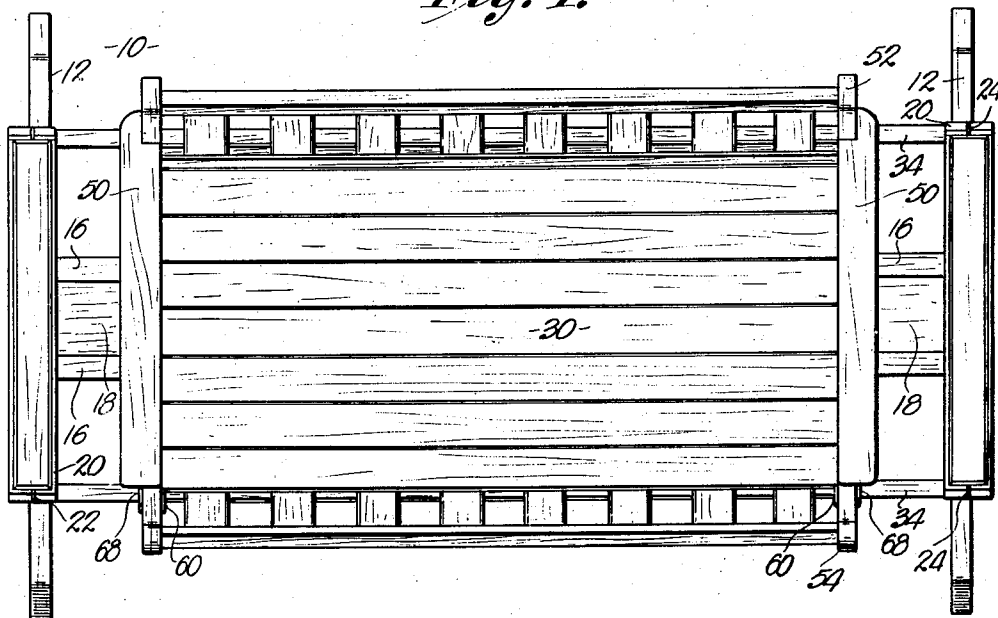


*Fig. 2.*

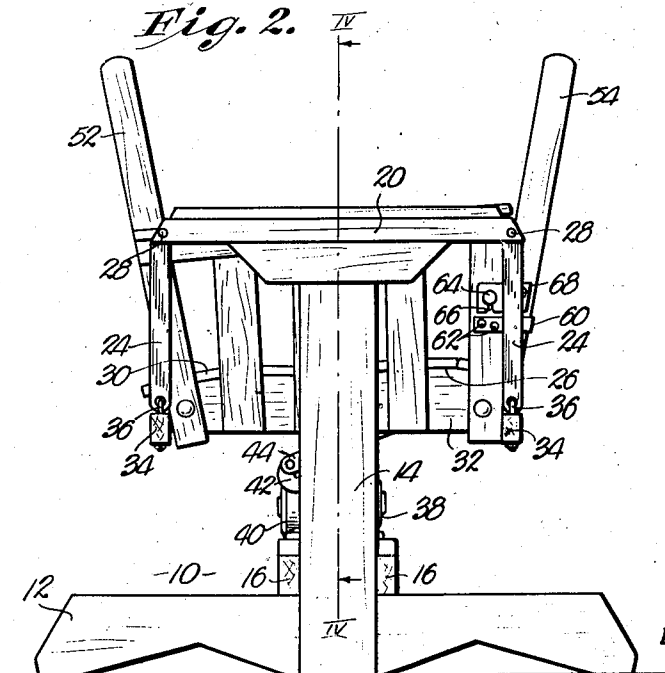
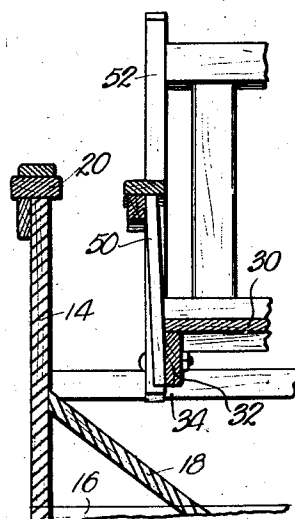


*Fig. 4.*



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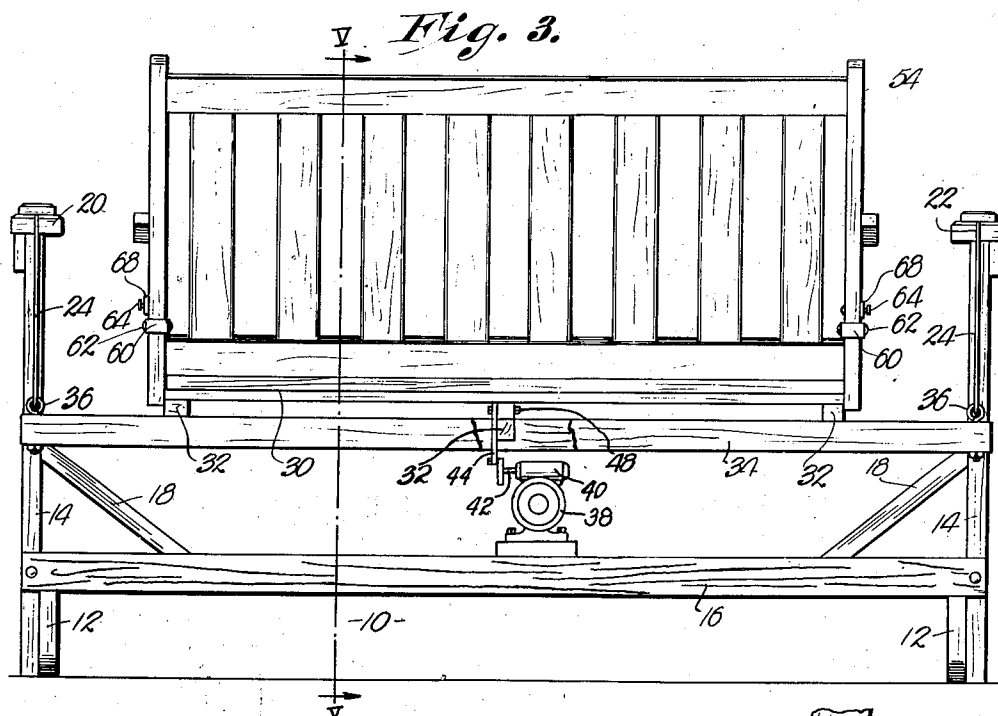
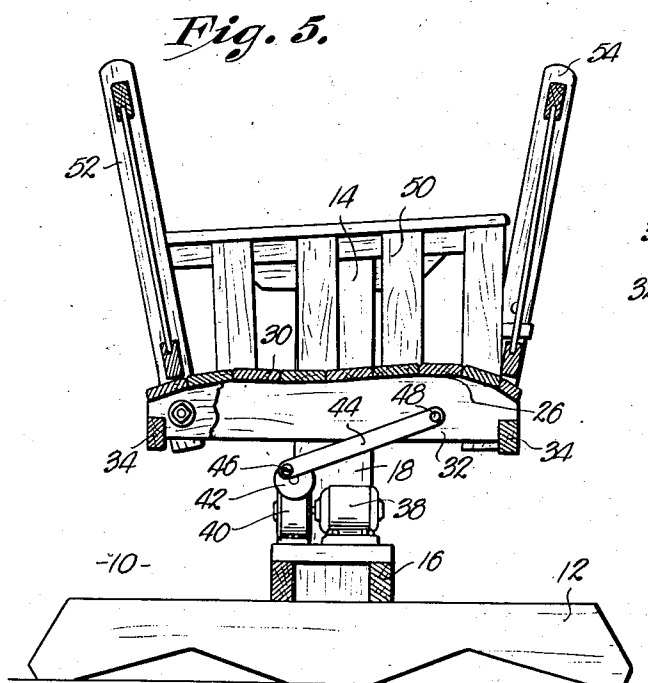
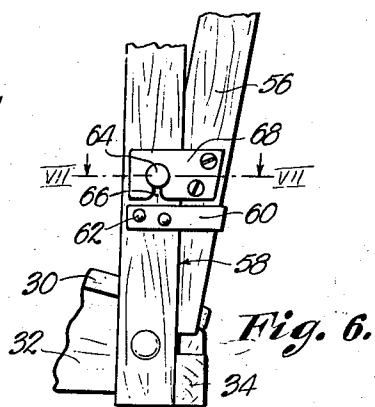
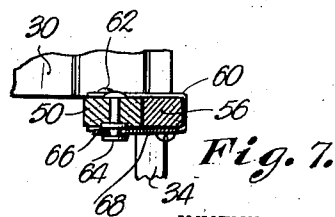
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

2,380,355

## GLIDER-CRADLE

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Application June 24, 1942, Serial No. 448,215

## 1 Claim. (Cl. 5—101)

This invention relates to an article of furniture capable of serving a dual purpose, i. e. that of a conventional glider type swing and that of a cradle having upstanding side and end walls completely circumscribing the substantially horizontal platform forming a part of the article.

One of the important aims of the instant invention is to provide a piece of furniture of the aforementioned character, having structure whereby the same may be converted to and from a device serving as a swing by the application of a supplemental side member and through the medium of interengageable parts mounted on the swing and on said member.

This invention has for an even further aim to provide a glider-cradle having means for rocking certain uniquely hung portions thereof; structure for swingably attaching the platform of the glider-cradle to the base thereof; and elements for speedily converting the article from furniture having the characteristics of a glider to those capable of fulfilling all of the requirements of a cradle used in bedding infants.

Specific details of construction shown in the accompanying drawings and rendered clear during the course of the following specification, embody further important objects of the invention, all of which will become apparent to one skilled in the art, during the course of the following description, referring to the accompanying drawings wherein:

Fig. 1 is a top plan view of an article of furniture in the form of a glider-cradle device made in accordance with the present invention.

Fig. 2 is an end elevational view of the article of furniture showing the same in condition for use as a cradle.

Fig. 3 is a side elevational view of the device.

Fig. 4 is a fragmentary vertical sectional view taken on line IV—IV of Fig. 2, looking in the direction of the arrow.

Fig. 5 is a vertical transverse cross sectional view through the glider-cradle taken on line V—V of Fig. 3.

Fig. 6 is an enlarged fragmentary detailed elevational view illustrating the inter-engageable parts for removably holding the removable side member in place; and

Fig. 7 is a fragmentary detailed sectional view taken on line VII—VII of Fig. 6.

One of the problems that this invention is intended to solve is that of supplying an infant and young child with an article of furniture usable from birth and throughout the first several years of its life. When an infant out-grows a

cradle, the same is usually cast aside and its usefulness is at an end. Through the employment of an article of furniture made as illustrated herewith, it is possible to convert the cradle into a glider type swing, usable by the child for many years after it has learned to seat itself in a chair or the like.

The preferred form of the article of furniture comprises a supporting base, generally designated by the numeral 10, and having as component parts thereof, the horizontal legs 12, T-shaped standards 14, rigid to legs 12, tie-bar 16 and braces 18. Legs 12 are at each end of the structure and tie-bar 16 is intermediate the ends of the transverse legs to afford clearance for feet and legs when the article is being employed as either a cradle or glider.

Standards 14 each have a cross head 20 bifurcated as at 22 to receive the uppermost ends of hanger strips 24. Hangers 24 are preferably formed of steel or some material strong enough to support the weight that may be applied to platform 26. Each hanger strip has an opening through each end thereof and a pivot pin 28 at each end of head 20 swingably secures the hanger strips to said head.

Platform 26 forms the seat when the device is employed as a swing and presents the floor of the cradle when the article is used as such. Platform 26 should be built of a number of longitudinal slats 30 mounted upon cross pieces 32, which in turn have their ends resting upon beams 34 having a length substantially the same as base 10 but greater than the length of platform 26.

The ends of beams 34 are provided with eyes 36 passing through the openings formed in the lower ends of hanger strips 24. These eyes have their major planes disposed perpendicular to the major planes of hangers 24, to which they are secured and since the bifurcated ends of heads 20 confine the upper ends of hanger strips 24 to movement in a plane transverse to the longitudinal axis of platform 26, the swinging movement imparted to said platform and all elements of the device associated therewith, will be confined to a transverse path.

Means for swinging the platform 26 is provided and includes a motor 38 preferably mounted upon tie-bar 16 and equipped with a conventional speed reducer 40 that drives an eccentric 42 having one end of link 44 secured thereto as at 46. The other end of link 44 is pivotally attached as at 48 to one of the cross members 32.

An upstanding end wall 50 at each end of platform 26 provides an arm-rest when the de-

vice is used as a swing and the end wall of the cradle when the device is employed as such. These wall members extend perpendicularly from platform 26 and are rigid thereto.

Side wall 52, rigid with end members 50, extends upwardly and outwardly at an angle from platform 26 along one longitudinal edge thereof. The height of wall 52 is substantially greater than that of end wall members 50. Side wall 52 is rigid with both platform 26 and end walls 50 to produce a unitary swing arrangement, bodily movable by motor 38 when the same is in operation. Obviously link 44 may be detached from eccentric 42 by the removal of pivot pin 46, if desired.

The removable side member 54 is long enough to reach from one end 50 to the other and has legs 56 forming a part thereof to abut the edges of end walls 50, as illustrated in Figs. 6 and 7. The tapered faces 58 of legs 56 are introduced into yokes 60 secured to a portion of walls 50 by rivets or analogous means 62. A head pin 64 on each wall 50 is disposed to be received in a notch 66 in bracket 68. This bracket is carried by legs 56 and constitutes one of the inter-engageable parts mounted on the unitary swing and side member 54.

Through such arrangement, the removal of side member 54 is rendered easy while strength is imparted thereto when the same is in use. The height of wall 54 is substantially the same as the height of wall 52 and this removable wall extends upwardly and outwardly from the longitudinal edge of platform 26 in opposed relation with wall 52.

It will thus be clear that with the side member 54 removed from engagement with end walls 50, the device comprising the base 10, the platform 26, swingably mounted thereon, and the side wall

52 and end walls 50 fixed on the platform, constitutes a practical glider of neat appearance. When it is desired to convert the glider into a cradle it is only necessary to insert the tapered ends of legs 56 in the stirrups 60 and move side member 54 downwardly relative to the end walls 50 until the notched brackets 68 securely engage the head pins 64.

The material from which all of the parts of the article of furniture is made is selectable by the manufacturer, but it has been found advantageous to employ light wood throughout, with the exception of hangers 24.

The manner of employing the device as a swing or cradle has been rendered clear during the foregoing specification and the advantages arising from the novel arrangement of parts are many. Since a glider-cradle embodying the invention may be made having physical characteristics different from those illustrated, it is desired to be limited only by the spirit of the invention and scope of the appended claim.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

In a glider-cradle of the character described including a support, a platform having fixed end walls and a side wall, and means for swingably mounting the platform on the support to form a glider; a removable side member for converting the glider into a cradle, said side member having depending legs provided with tapered ends; means for removably securing said side member to the end walls comprising brackets on the side member having notches in the lower side thereof; pins on the end walls for engaging said notches; and yokes on the end walls for receiving said tapered ends of the legs.

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