Oct. 19, 1926.

1,603,578

C. BIERNAT

COMBINATION SWING AND BED

Filed Jan. 23, 1926

3 Sheets-Sheet 1

Fig. 1.

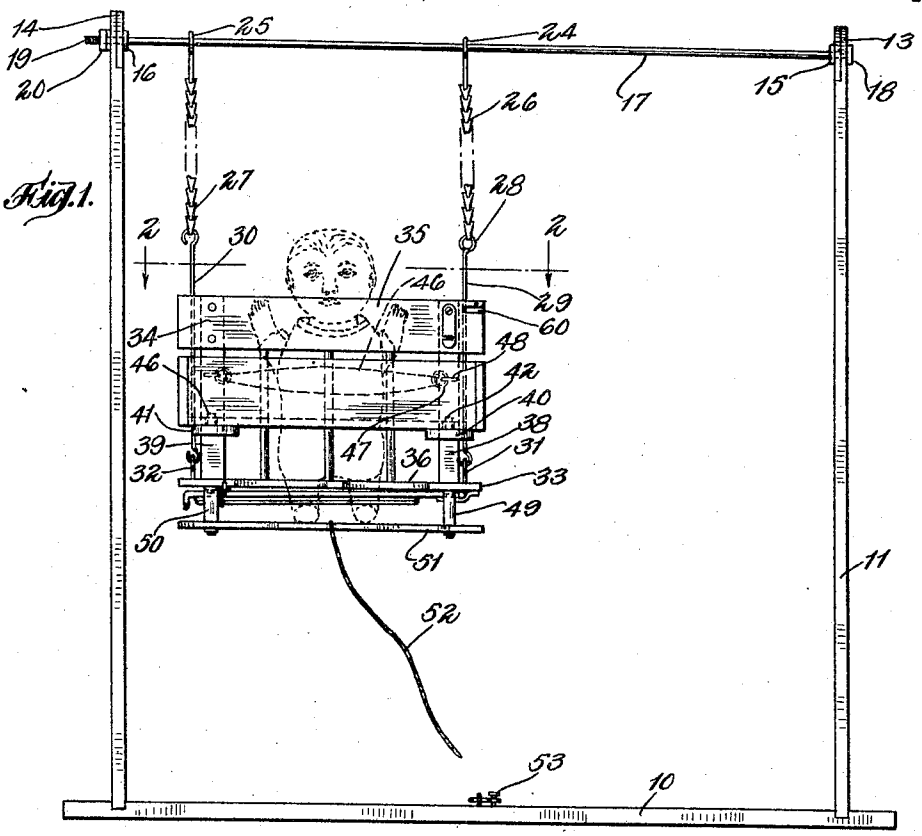


Fig. 3.

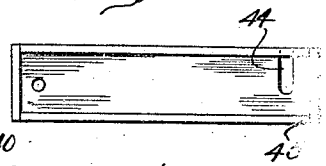


Fig. 2.

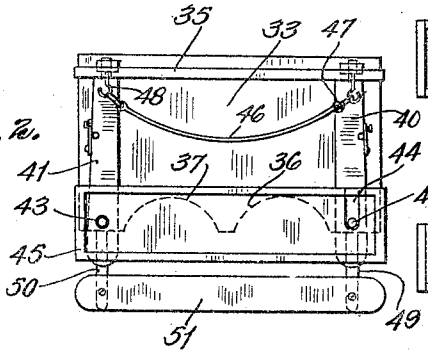


Fig. 4.



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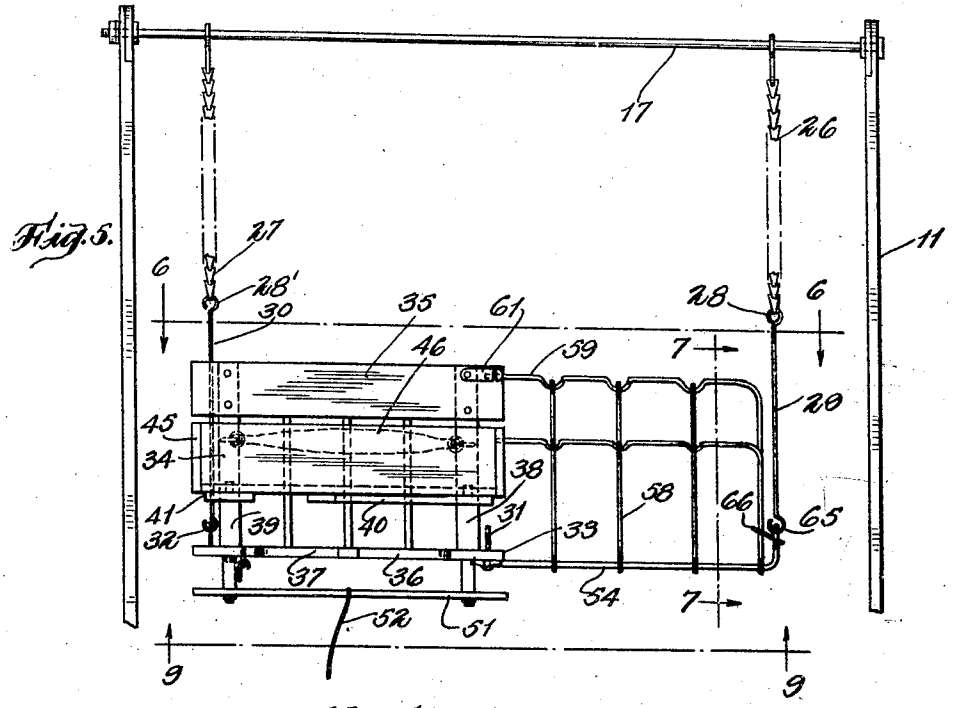


Fig. 5.

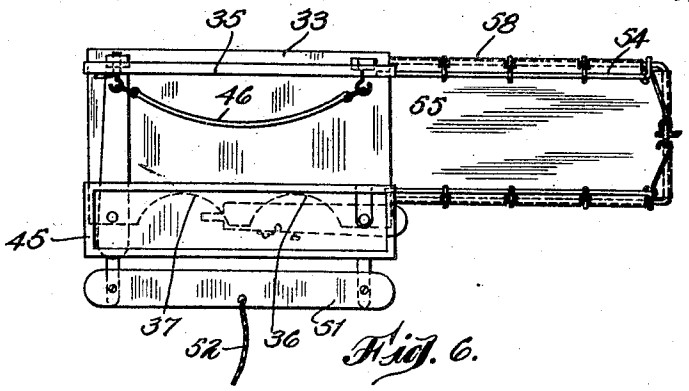


Fig. 6.

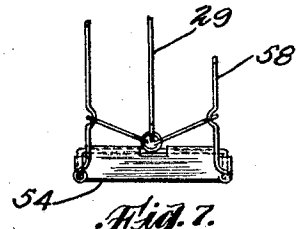


Fig. 7.

Inventor

Carl Biernat

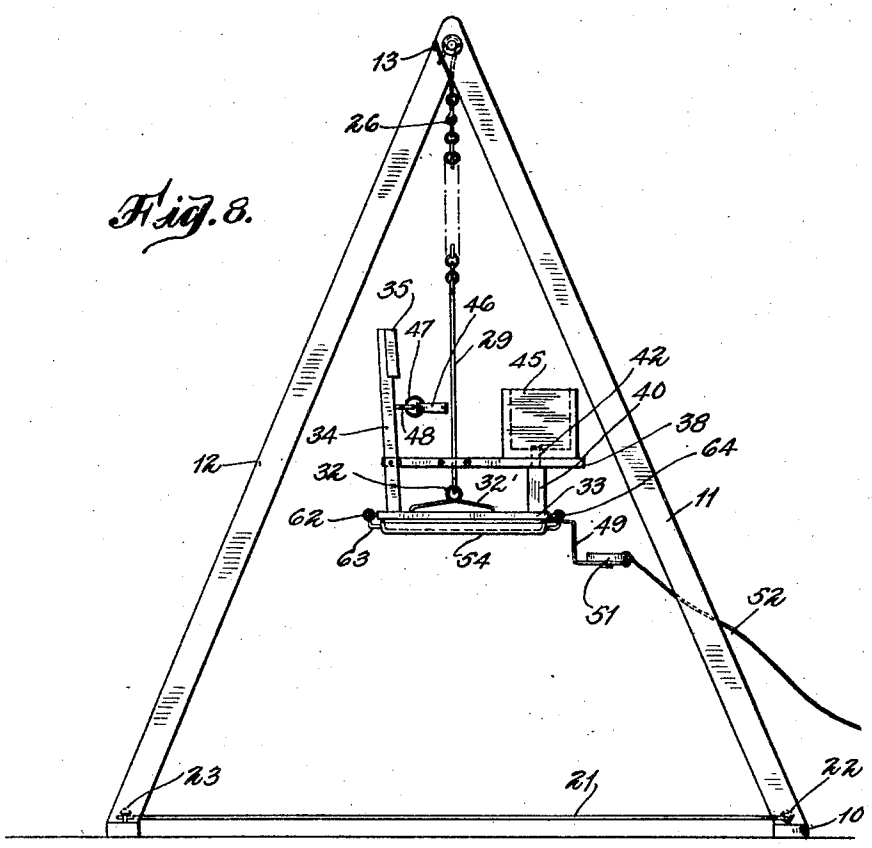
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Fig. 8.



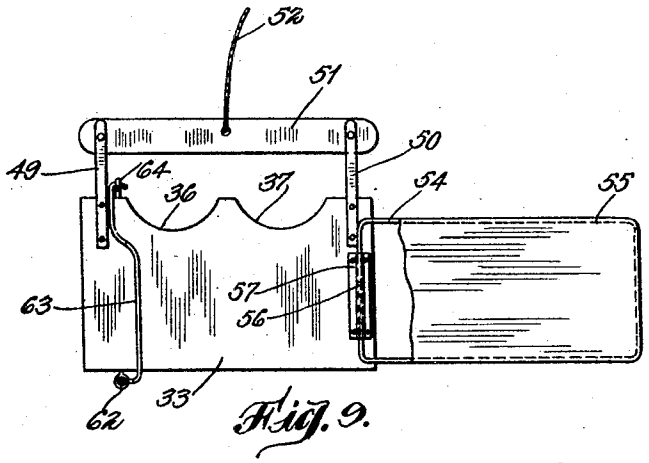


Fig. 9.

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Patented Oct. 19, 1926. 1,603,578

UNITED STATES PATENT OFFICE.

CARL BIERNAT, OF GLASFORD, ILLINOIS.

COMBINATION SWING AND BED.

Application filed January 23, 1926. Serial No. 83,299.

This invention relates to improvements in swings, and particularly to a combination swing and bed, and it is the principal object of the invention to provide such a device allowing the folding of the bed against the swing when not in use.

Another object of the invention is the provision of a combination swing and bed equipped with means for securely holding the baby or child during the operation of the swing.

A further object of the invention is the provision of a combination swing and bed equipped with a toy containing box adapted to be removably combined with the swing for holding the toys in front of the child on the swing to prevent loss of toys etc.

A still further object of the invention is the provision of a combination swing and bed adapted to be suspended from a frame adapted to be collapsed when not in use and having a foot rest and back rest for the child occupying the swing.

It is also one of the objects of the invention to provide a combination swing and bed allowing a ready mounting and dismounting of the bed when it is to be used as such or when not in use.

These and other objects and advantages of the invention will become more fully known as the description thereof proceeds, and will then be more specifically defined in the appended claims.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a front elevation of a combination swing and bed constructed according to the present invention, with the bed folded.

Fig. 2 is a top plan view of the swing, seen in the direction of the arrows 2—2 of Figure 1.

Fig. 3 is a detail plan view of a toy box.

Fig. 4 is a side elevation thereof.

Fig. 5 is a view similar to Figure 1, with the bed extended.

Fig. 6 is a top plan view thereof, seen along line 6—6 of Figure 5.

Fig. 7 is a section on line 7—7 of Figure 6.

Fig. 8 is an end elevation of the combination swing and bed.

Fig. 9 is a bottom plan view of swing and bed seen in the direction of arrows 9—9 of Figure 5.

The combination swing and bed, as illustrated on the drawings, is suspended from a collapsible stand or frame composed of a base 10, near the front and rear edges of which are mounted the pairwise arranged, converging posts 11 and 12.

The upper ends of each pair of posts are connected, as indicated at 13 and 14 respectively, so as to allow a folding of the posts of each pair upon each other. At the apexes formed by the meeting upper ends of the posts, bearings 15, 16 are formed in which rest the ends of a cross-bar 17, having a head 18 at one of its extreme outer ends and a thread 19 at its opposite end, bearing counter nuts 20.

The foot parts of the front and rear pairs of the posts are held together by means of rods 21, the hooked ends of which engage eyes 22, while their opposite ends grip around headed pins or screws 23.

From the rod 17 are suspended by means of their end hooks 24, 25, the elastic springs or chains 26, 27, the lower parts of which are attached to eyes or hooks 28, 28′ of rods 29, 30, the lower hooked ends of which engage eyes 31, 32 of loops 32′ adapted to be secured at their lower ends in the upper face of the swing board 33. This board 33 carries near its rear edge the posts 34 to which the back rest 35 is attached.

Near the front edge of the board 33, which is cut out semi-circularly, as at 36 and 37, to allow space for the lower limbs of the child occupying the seat board the board carries posts 38, 39 on which rest the front ends of the side rests or arms 40, 41, the rear ends of which are reduced and secured to the posts 38, 39. Tenons or pins 42, 43 extend from the upper ends of the front posts 38, 39 through the arms 40 and 41 and are adapted to engage slots 44 in the bottom of a box 45 adapted to hold the child's toys or the like, so that the box, while securely held in place can easily be removed.

A belt 46 has rings 47 formed with its ends adapted to engage hooks 48 secured in the posts 34, 35, so that the child is securely held against forward falling in the swing.

Brackets 49, 50 are attached to the lower face of the seat board 35 and extend towards the front, and their ends are connected by a foot board adapted to serve as a rest for the child's feet and designated 51. A cable 52 is attached in approximately its middle, by means of which the swing may be operated by hand of a nurse for instance, when the child is sleeping or resting in the bed.

The end of the cable or cord 52 may be secured to a pin 53 or the like.

The bed combined with the swing consists of a bottom frame 54 between the bars of which a canvas bottom 55 is held, and one of the end bars of frame 54 is turnably held in a sleeve 56 having a bottom plate or flanges 57 secured to the bottom of the seat board 33, so that the bed bottom may be swung to engage the lower face of the seat when the bed is not to be used.

To the side bars of frame 54 are rotatably attached the side frames 58 of the bed adapted to be swung into vertical position if the bed is to be used, and the upper bar 59 of one of the frames is adapted to engage with its inner end a groove 60 in the back rest 35 and to be held in place by a latch 61 pivotally attached at one end to the back rest and having a recess in its opposite end adapted to engage a nail extending from the back rest.

Hooks 62 are attached to the rear of the seat board and have engaged therewith the ends of securing bars or arms 63, the opposite ends of which are formed into hooks adapted to detachably engage eyes 64 attached to the front edge of the seat board, these arms are secured over the bottom and side frames of the bed when the same is folded against the bottom of the seat board, and hold the same in place.

One of the end bars of the bottom 54 carries an upstanding eye 65 adapted to be engaged by the hooked end of bar 29 to suspend the bed from bar 17, and a securing device 66 prevents a disengagement of hook and eye by accident.

The operation of the device will be entirely clear from the above description, if the bed is not to be used it is folded against the bottom of the seat and held thereagainst by means of the arms 63, or if the bed is to be used, its bottom frame may be swung about sleeve 56 after release of arms 63 and the sides elevated and secured as shown, while the rod 29 is disengaged from the eye 31 on the swing and engaged in eye 65 of the bed frame.

It is to be understood that I have shown the preferred form of my device as an example of the many ways to practically construct the same, and that such changes as come within the scope of the appended claims in the construction of the minor details may be made without departure from the spirit of the invention.

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

1. In a swing, a bed, comprising a bottom frame, a canvas bottom for said frame, a means for allowing a movement of the bed laterally of the swing, and a folding against the underside of the swing, side frames rotatably attached to said bottom frame, means for locking said side frames to said swing in its lateral extended position, means for allowing a suspension of said bed, and a means for holding said bed in engagement with the underside of the swing when not in use.

2. In a swing, a bed, comprising a bottom frame, a canvas cover for the bottom frame, a sleeve on said swing adapted to receive one of the end bars of said frame for allowing a movement of the same laterally of said swing and against the underside of the swing, side frames rotatably attached to said bottom frame, a latch for locking said side frames to said swing in position laterally disposed thereto, eyes on said bottom frame adapted to be engaged by suspension hooks for allowing a suspension of the bed in use as such from the suspension frame for the swing, and a hook and eye connection for holding the bed in its folded position of rest against the underside of the swing.

Signed at Glasford in the county of Peoria and State of Illinois, this 30th day of December A. D. 1925.

CARL BIERNAT.