V. F. PICKERT.

GO-CART.

APPLICATION FILED OCT. 30, 1908.

918,362. Patented Apr. 13, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

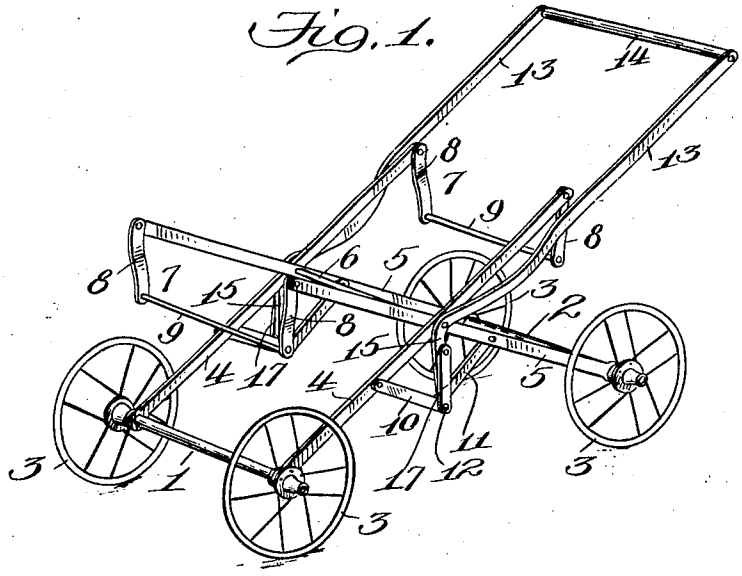
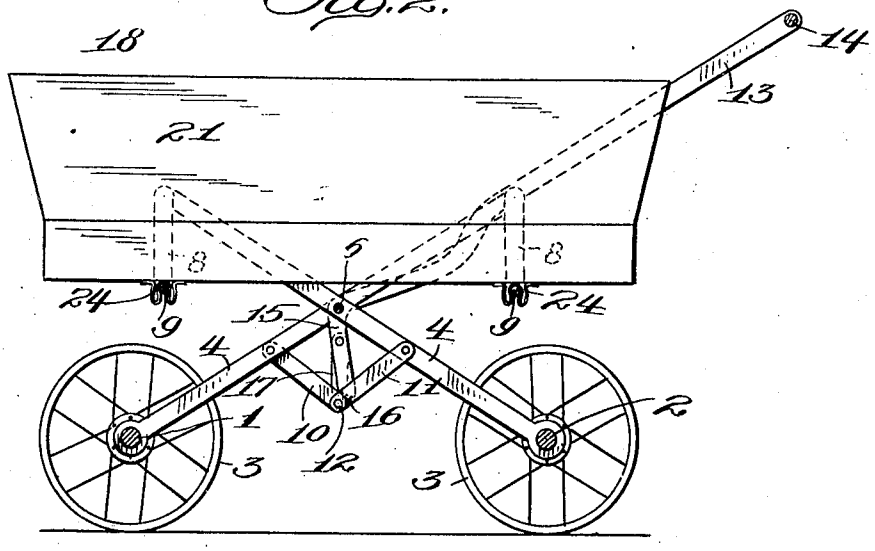


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

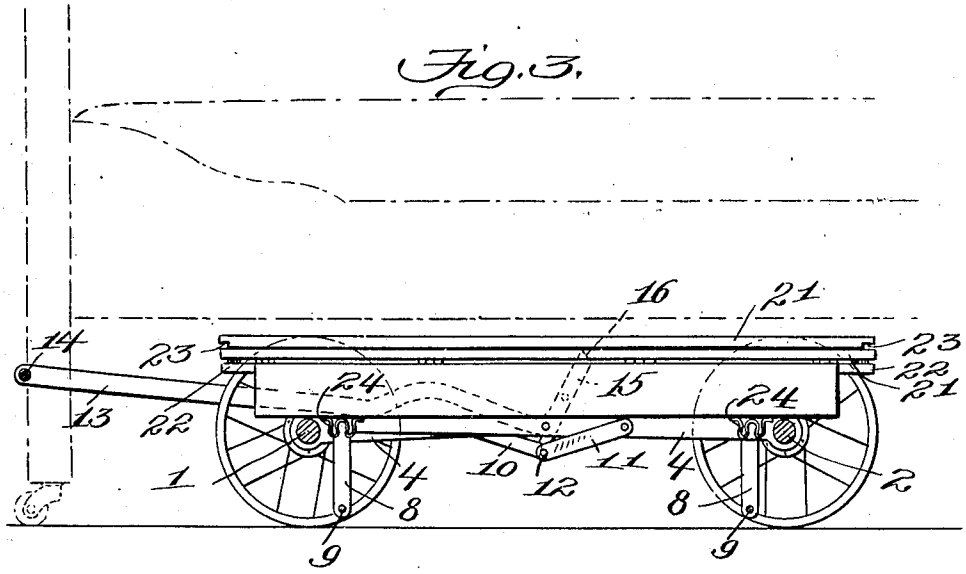


Fig. 4.

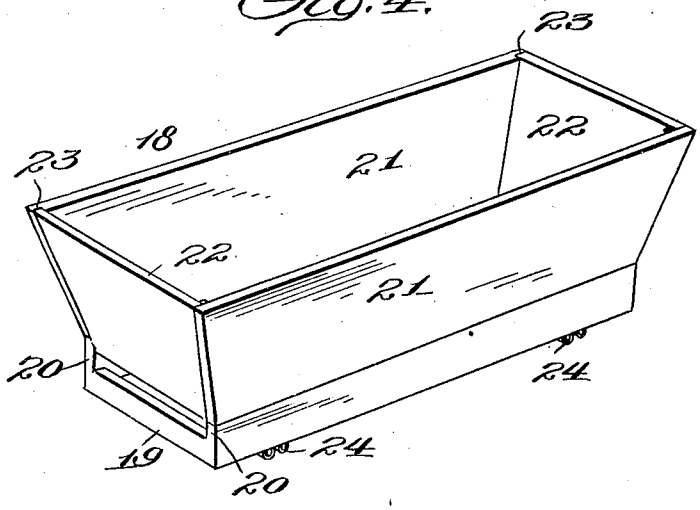
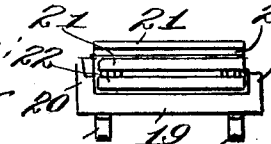


Fig. 5.



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GO-CART.

No. 918,362. Specification of Letters Patent. Patented April 13, 1909.

Application filed October 30, 1908. Serial No. 460,334.

To all whom it may concern:

Be it known that I, VINCENT F. PICKERT, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented new and useful Improvements in Go-Carts, of which the following is a specification.

This invention relates to go-carts convertible into a cradle and particularly intended for indoor use as well as on porches and in yards of dwellings, and the primary object of the same is to provide a go-cart having a simple and effective construction and operation, readily convertible from one form into another to adapt it for use as a swinging cradle or after the manner of an ordinary go-cart, and to embody as a part thereof a collapsible body or basket which may be reduced to compact form for storage or shipment or quickly set up for use.

With this and other objects and advantages in view, the invention consists in the construction and arrangement of parts which will be more fully hereinafter specified in preferred form and illustrative of one embodiment of the invention.

In the drawings: Figure 1 is a perspective view of the frame and handle of a go-cart embodying the features of the invention and showing the body or basket removed and portions of the frame elevated to adapt the cart for use as a cradle. Fig. 2 is a sectional elevation of the cart showing the body in place, the body being elevated and free to swing as a cradle. Fig. 3 is a side elevation of the cart and body shown collapsed or reduced to compact form and disposed under a bed, the latter being shown in dotted lines. Fig. 4 is a detail perspective view of the body shown arranged for use. Fig. 5 is an end elevation of the body or basket shown collapsed.

The numerals 1 and 2 designate axles provided with suitable wheels 3 and pairs of frame bars or arms 4 and 5, the frame bars or arms 4 being terminally fixed to the axle 1 and the frame bars or arms 5 to the axle 2. The frame bars or arms 5 intersect the pair of frame bars or arms 4 and extend inside of the latter, the intersecting pairs of frame bars being fulcrumed and connected by cross rod 6, the said rod also serving as a tie means for the pairs of frame bars. The pairs of arms 4 and 5 are crossed at such intermediate points with relation to each other that the upper extremities thereof will project equally in reverse directions from the rod 6 and to the free ends of each pair of arms swinging hangers 7 are applied and comprise depending arms 8 movably attached to the ends of the frame bars or arms 4 and 5 and connecting rods 9. The frame bars or arms 4 and 5 also have pairs of toggle links 10 and 11 movably attached thereto respectively, and pivoted to each other by fulcrum pins as at 12, the ends of the links 10 being applied against the outer sides of the links 11. Operating bars 13 are also fulcrumed on the outwardly projecting ends of the rod 6 and bear against the outer sides of the frame bars or arms 4, said operating bars being connected at one end by a cross bar 14 and having the extremities thereof fulcrumed on the rod 6 provided with angular extensions 15 which practically serve as bell cranks and have their free ends beveled as at 16, see Figs. 2 and 3. The bars 13 and cross bar 14 unitedly constitute a handle for pushing the cart or device as well as an operating means for raising and lowering the frame of the go-cart, and the said handle or operating means is thrown over in opposite directions to adjust the frame bars. Draw links 17 are connected to the angular extensions 15 and the fulcrum pins 12 of the links 10 and 11 so that the movement of the handle or operating means in opposite directions over the framework or the body supporting frame of the go-cart will operate the parts of the frame in such manner that the wheels 3 will be drawn toward each other when the device is arranged for use as a cradle and as shown by Fig. 1, or said wheels will be forced apart together with their axles when the operating handle or the connected bars 13 are thrown over in a direction reverse to that shown by Fig. 1 or as illustrated by Fig. 3. The toggle links 10 and 11 and the draw links 17 constitute the contracting and expanding means for the axles 1 and 2 and the wheels 3 through the medium of the pairs of frame bars 4 and 5, when actuated by the operating handle in the manner just explained or when the operating handle is thrown over the axle 2, the draw links 17 are depressed and force the connected ends of the toggle links 10 and 11 downwardly and draw the pairs of frame bars toward each other, whereas when the operating handle is thrown over the axle 1 the draw links 17 pull upwardly on the toggle links 10 and 11 and expand or release the pairs of frame bars 4 and 5 and permit the latter to depress into a substan-

tially horizontal plane, as shown by Fig. 3. The two adjustments can be readily carried on without requiring the manipulation of releasing or fastening devices. When the frame bars are in the position shown by Fig. 1, the beveled ends 16 of the extensions 15 forming parts of the bars 13 frictionally bear on the upper edges of the links 10 and serve as a locking means or an effective auxiliary to prevent accidental collapsing of the frame bars, and such engagement of the ends of the extensions with the links 10 also prevents too loose movement of the operating handle comprising the bars 13 and 14.

The go-cart or improved device also embodies a basket or body 18 shown in detail in two conditions by Figs. 4 and 5. This body or basket will be preferably formed of woven willow or analogous open material and is supported in the hangers 7, as shown by Fig. 2, when the go-cart is arranged for use as a cradle but is let down on the axles when the go-cart is adapted for ordinary trundling purposes or when collapsed, as shown by Fig. 3, the hangers easily and positively cooperating with the body or basket to raise it or lower it in accordance with the movement or adjustment of the operating handle either over the axle 2 or the axle 1. The bed or basket 18 is collapsible and comprises a bottom 19 having side flanges 20 to which opposite side members 21 are hinged and adapted to be inwardly folded. The one side member 21 has the ends 22 hinged thereto and the coöperating side is formed with inner recesses or grooves 23 to removably receive the free extremities of the said ends 22, the grooves or recesses 23 being formed in the ends of the one side, as shown and prevent accidental collapsing of the sides and ends when the bed or basket is arranged for use. The bed or basket may be collapsed as shown by Figs. 3 and 5, the ends 22 being first released and folded inwardly against the inner side of one of the side members 21 and the latter with the ends then turned downwardly between the flanges 20 of the bottom 19 and the remaining side 21 then folded over the previously folded side member carrying the ends. This collapsible structure of the body or basket renders the same convenient for shipment or storage and also permits the go-cart as a whole to be temporarily disposed under a bed or other device or article of furniture when it is desired to place the go-cart where it may be readily accessible without occupying unnecessary floor space. To prevent the body or basket from slipping on the hangers, the bottom 18 has pairs of spring clips 24 secured to opposite extremities on the lower side to separably receive the rods 9 of the hangers. The rods 9 readily slip into and out of the said clips when the body is raised and lowered.

The body or basket is of such length as to readily serve as a cradle body or it may be removed entirely from the vehicle part of the device and placed on a floor to hold a child in a nursery or on a porch or lawn and thus serve as a support or a play receptacle. The frame of the go-cart will be constructed of light metallic bars strongly connected and the device as a whole may be cheaply manufactured.

What is claimed as new is:

1. In a device of the class described, the combination of a vehicle frame composed of movably connected parts and including axles provided with wheels, the frame being elevatable and collapsible, and a body removably held by the frame and elevatable and depressible with the latter, the body when elevated being suspended for swinging movement and when depressed disposed on the axles.

2. In a device of the class described, the combination of a collapsible vehicle frame including axles provided with wheels and means for elevating and depressing the same, and a body removably held by the frame and suspended for swinging movement to form a cradle within the frame, the body when suspended being free for longitudinal oscillating movement but prevented from having lateral movement in the frame and disposed on the axles and detached from said frame when depressed.

3. In a device of the class described, the combination of a vehicle frame composed of movably connected collapsible parts and including axles provided with wheels and means for elevating and depressing the frame and movable in opposite directions over the remaining parts of the frame, the said means serving as a handle for propelling the device, and a body removably held in the frame and having a swinging movement when the frame is elevated and supported direct by the axles when the frame is depressed.

4. In a device of the class described, the combination of a frame having means for elevating and collapsing the same and including axles carrying wheels, and a body removably held in the frame and having a self-detaching operation from the frame when the latter is lowered and suspended when the frame is elevated for longitudinal swinging movement within the frame and disposed on the axles and detached from said frame when depressed.

5. In a device of the class described, the combination of an elevatable and collapsible frame including axles carrying wheels and suspending means, and a body removably held in the frame and elevated and depressed by the suspending means, the body when elevated being longitudinally oscillatable and when depressed having bearing on the axles and detached from the suspending means.

6. In a device of the class described, the combination of an elevatable and collapsible

frame having swinging body engaging means, and a body removably mounted in the frame and the said means and having a longitudinally swinging movement through the medium of the said means, the swinging body engaging means having a self-detaching and attaching operation with relation to the body when the latter is respectively lowered and elevated.

7. In a device of the class described, a movable and collapsible frame, and a body removably and adjustably held in the said frame and capable of having a longitudinal swinging actuation when adjusted in elevated position and held against swinging movement when adjusted in lowered position.

8. In a device of the class described, an adjustable and collapsible vehicle frame provided with wheels, and a collapsible body removably mounted in the said frame and having the bottom thereof separably engaged by portions of said frame, the frame having a self-detaching operation with relation to the body when the latter is lowered.

9. In a device of the class described, the combination of axles carrying wheels and having frame bars fixed thereto and intermediately intersecting each other and movably connected, an operating means movably attached to the frame bars and adapted to be thrown over either axle, and contracting and expanding means attached to said operating means below the points of connection of the frame bars, the contracting and expanding means being attached to said frame bars.

10. In a device of the class described, the combination of axles carrying wheels and having frame bars fixed thereto and intermediately intersecting each other and movably connected, an operating means movably attached to the frame bars and adapted to be thrown over either axle, expanding and contracting means attached to the frame bars, and movable connections between portions of the operating means and the expanding and contracting means.

11. In a device of the class described, the combination of axles carrying wheels and having intersecting movably connected frame bars secured thereto, operating means for raising and lowering the frame bars, swinging hangers carried by the upper extremities of the frame bars, and a body removably engaged by the swinging hangers.

12. In a device of the class described, the combination of a vehicle frame including wheeled axles, the said frame being elevatable and depressible, swinging hangers carried by portions of the frame, and a body removably engaging the said hangers, the hangers having a self-detaching and attaching operation when the body is respectively depressed and elevated.

13. In a device of the class described, an adjustable and collapsible vehicle frame provided with wheels, swinging hangers carried by parts of the frame, and a body removably engaged by the swinging hangers, the hangers having a self-engaging and disengaging movement with relation to the body.

14. In a device of the class described, an adjustable vehicle frame provided with wheels, hangers connected to parts of the vehicle frame, operating means for elevating and depressing the frame, and a body removably engaged by the hangers, the hangers having a self-engaging and disengaging movement with relation to the body.

15. In a device of the class described, an adjustable vehicle frame provided with wheels, an operating handle connected to opposite portions of the frame and provided with extensions, the operating handle being movable in reverse directions over different portions of the frame, expanding and contracting devices connected to parts of the frame and the extensions of the said handle, the terminals of the extensions of the handle engaging portions of the expanding and contracting means when the handle is in one position, and a body mounted in the frame.

16. In a device of the class described, the combination of axles carrying wheels and having frame bars fixed thereto and intermediately intersecting each other and movably connected, operating means movably attached to the frame bars and adapted to be thrown over either axle, the said operating means having angular extensions, contracting and expanding means movably attached to the frame bars, draw means movably connected to the expanding and contracting means and to the angular extensions of the operating means, and a body mounted in the frame bars and movable with the latter.

17. In a device of the class described, the combination of axles carrying wheels and having frame bars fixed thereto and intermediately intersecting each other and movably connected, hangers attached to the upper extremities of the frame bars, operating means movably attached to the frame bars and adapted to be thrown over either axle, the said operating means having angular extensions, contracting and expanding means movably attached to the frame bars, draw means movably connected to the expanding and contracting means and to the angular extensions of the operating means, and a body removably mounted in the hangers and elevatable and depressible by the latter.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

VINCENT F. PICKERT.

Witnesses:
T. C. PARKER,
A. E. BEORDIE.