H. TAYLOR.

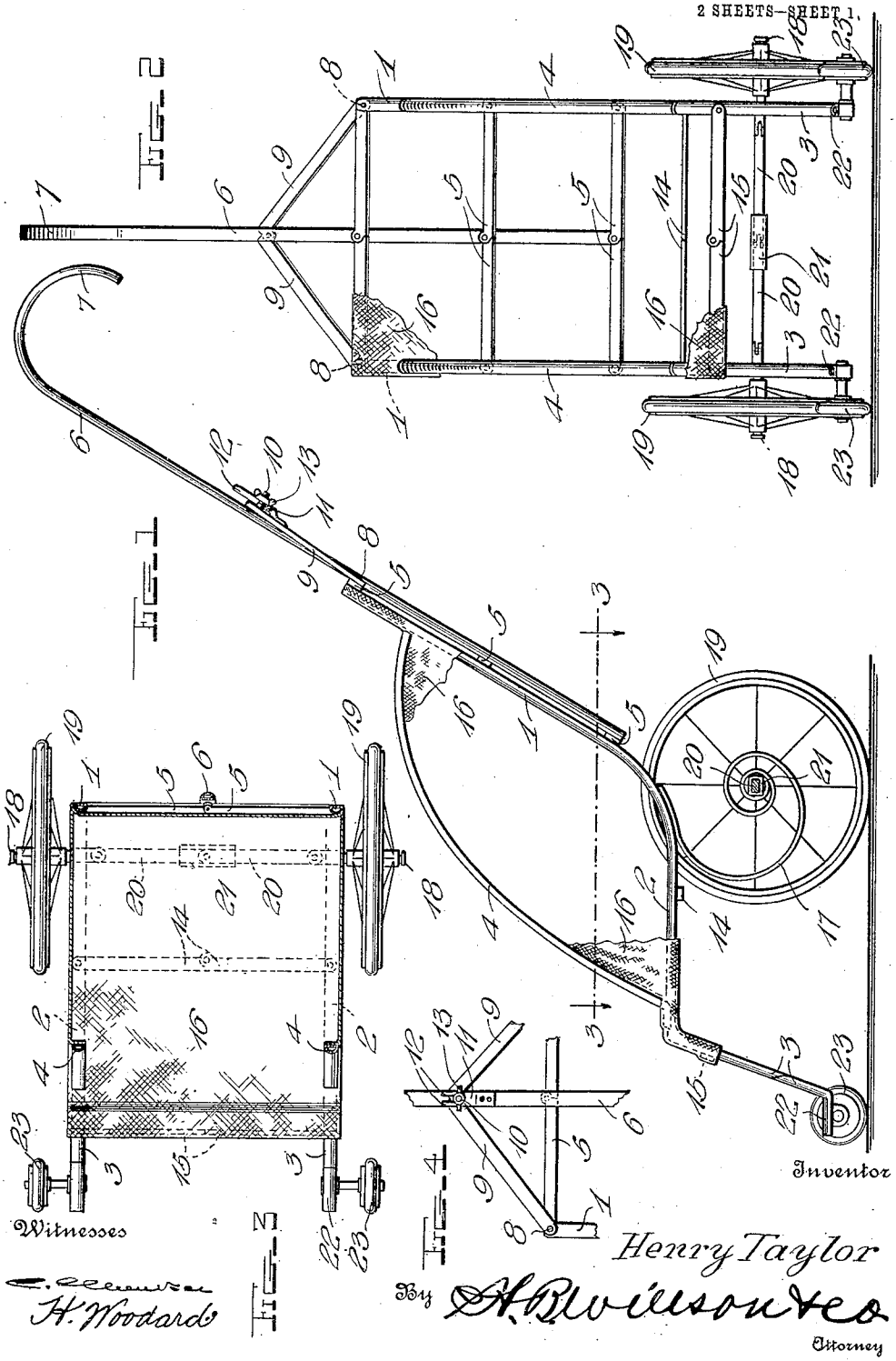
GO-CART.

APPLICATION FILED NOV. 20, 1913.

1,110,162.

Patented Sept. 8, 1914.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

FIG. 6

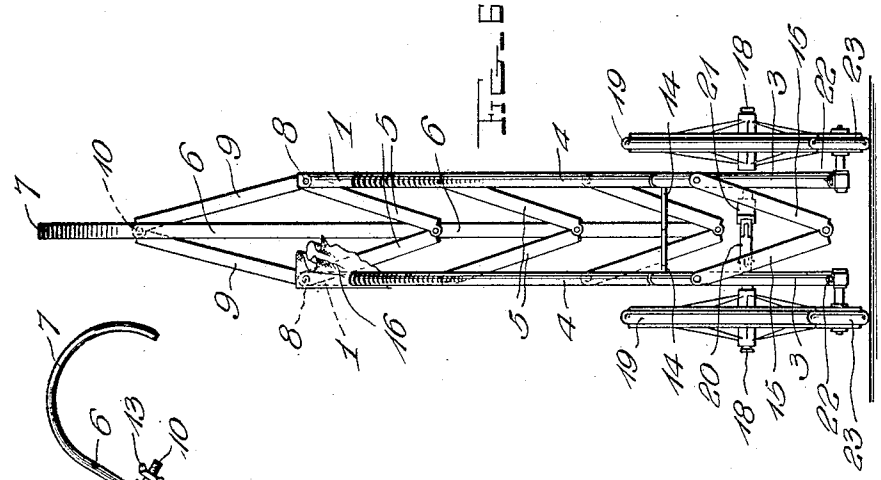


FIG. 5

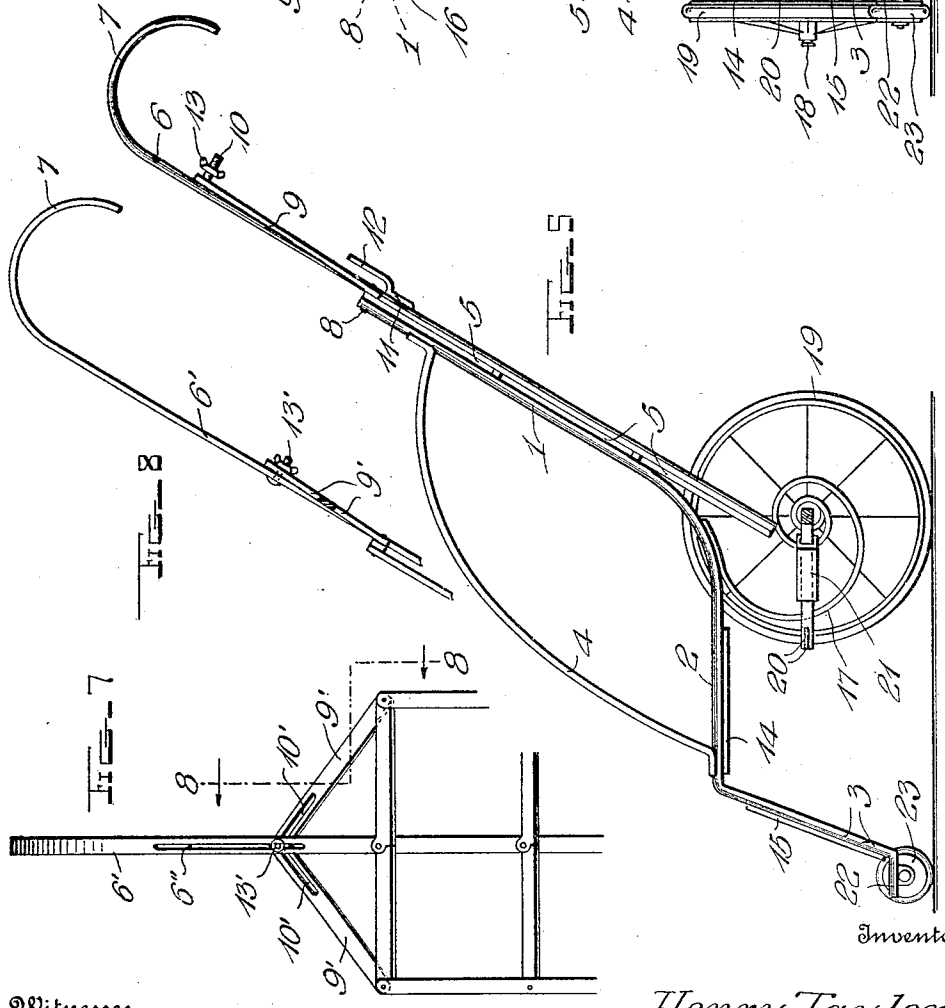


FIG. 8

FIG. 7

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UNITED STATES PATENT OFFICE.

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GO-CART.

1,110,162. Specification of Letters Patent. Patented Sept. 8, 1914.

Application filed November 20, 1913. Serial No. 802,111.

To all whom it may concern:

Be it known that I, HENRY TAYLOR, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Go-Carts; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in go carts and more particularly to those having means for collapsing the side members toward each other.

The primary object of the invention is to provide a simply constructed go cart of this character which may be collapsed into small compass and which is provided with a hook shaped handle which may readily be hung on one arm.

With the above and other minor objects in view, the invention resides in certain novel features of construction and combination herein described and claimed and shown in the drawings wherein:—

Figure 1 is a side elevation of my improved go cart parts being broken away and in section; Fig. 2 is a rear view in which the parts are also broken; Fig. 3 is a horizontal section on the line 3—3 of Fig. 1; Fig. 4 is a rear view of a portion of the back of the go cart; Fig. 5 is a side view of the go cart in folded position the canvas covering being entirely omitted; Fig. 6 is a rear view of the device in folded position with the canvas omitted; Fig. 7 is a front elevation of a portion of the back showing a modified form of construction; and Fig. 8 is a detail section on the line 8—8 of Fig. 7.

In the accompanying drawings, my improved go cart is shown as comprising in general, side members forming seat and back supports, supporting wheels for said side members, toggle links connecting said members and an upright operating bar for actuating the toggles or back supporting portions of said side members, said bar being provided with a hook shaped handle at its upper end.

Coming now more particularly to the embodiment illustrated in Figs. 1 to 6, the side members referred to above, are each formed of a single piece of round or half round tubing bent to form upright back supporting bars 1, horizontal seat supporting bars 2 and front wheel supporting standards 3. At suitable points the seat supporting bars 2 and the back supporting bars 1 are connected by curved arms 4 which are also preferably constructed of tubing.

The upright bars 1 are connected at intervals by toggle links 5 pivoted at their outer ends to said upright bars 1 and at their inner ends to an upright operating bar 6 which is provided at its upper end with a hook shaped handle 7. Pivoted as at 8 to the upper ends of the bars 1 are inclined brace bars 9 which are connected at their inner ends by a bolt 10.

Secured at a suitable point on the rear face of the bar 6, is a bracket or stop 11 provided with upright fingers 12. By reference to the drawings, it will be seen that when the toggle links 5 are extended, the bolt 10 carried by the brace bars 9 will project between the fingers 12 and a thumb nut 13 is then screwed on said bolt. By this construction, it will be obvious that the side members will be prevented from collapsing as long as the thumb nut 13 is in contact with the outer sides of the fingers 12 but when said thumb nut is loosened and the operating bar 6 is pushed downwardly, the side members will be brought together by the action of the toggles 5.

The horizontal seat supporting bars 2 are connected near their rear ends by toggle links 14 and the wheel supporting standards 3 are connected near their upper ends by toggle links 15. Canvas or other suitable material 16 is secured in any manner, to the seat supporting bars 2, the toggle links 15 and is then extended upwardly and secured to the upright back supporting bars 1, as clearly shown in Fig. 3 of the drawings.

I have shown the side members provided with depending springs 17 having supporting stub axles 18 on which wheels 19 are journaled but it will be clear that runners could be substituted for the wheels 19. Whether wheels or runners be employed, the stub axles 18 are connected by toggle links 20 on which slides a sleeve 21 for a purpose to appear.

The standards 3 are bent laterally at their lower ends to form feet 22 to which are secured stub axles carrying small wheels 23 although runners may be substituted for these wheels 23 if they be substituted for the wheels 19.

In the operation of the device with the side members extended, the sleeve 21 is dis-

posed over the central pivot of the toggles 20 connecting the stub axles 18, the toggles 5, 14 and 15 are extended and the bolt 10 carried by the brace bars 9 is secured between the fingers 12 of the bracket 11 by the thumb nut 13. When in this position the canvas 16 forming the seat and back of the go cart will also be extended. When it is desired to collapse the go cart, the sleeve 21 is pushed laterally by the foot of the operator until the central joint of the toggle links 20 is free to move. The thumb nut 13 is then loosened and the operating bar 6 pushed downwardly and by so doing the toggle links 5 will bring the side members of the go cart together into a very small space. The handle 7 may then be hooked over one arm of the operator and when in this position, is very easily carried.

If desired the space between the curved arm 4 and the bars 1 and 2 may be left open but I preferably secure canvas or other suitable material to said handle and bars to form closed sides for the go cart.

In the form of the invention shown in Figs. 7 and 8 the brace members 9′ connected to the side bars 1 are shown as provided with slots 10′ and the operating bar 6′ is provided with a slot 6″ and through these slots 10′ and 6″ passes a bolt 13′ provided with a suitable thumb nut. Although I prefer the form of fastening means hereinbefore described, this securing means answers the same purpose.

Various changes in the form, proportion and minor details may be resorted to without departing from the spirit of the invention as claimed.

What I claim as new is:

1. A go cart comprising side members adapted to collapse toward each other, an operating rod disposed between said members and links pivoted at their inner ends to said operating rod and at their outer ends to said side members, said operating rod being extended upwardly and formed into a hook shaped handle.

2. A go cart comprising L-shaped side bars, the horizontal portions thereof forming seat supports and the upright extensions thereof forming back supports, an upright operating bar disposed between said upright extensions and having a hook shaped handle at its upper end, links pivoted at their outer ends to said upright extensions and at their inner ends to said operating bar, inclined brace bars pivoted at their outer ends to said upright extensions and coacting means carried by the inner ends of said brace bars and by said operating bar for locking said brace bars to said operating bar thus holding said L-shaped side bars in extended position.

3. A go cart comprising L-shaped side bars, the horizontal portions thereof forming side supports and the upright extensions thereof forming back supports, an upright operating bar disposed between said upright extensions and having a hook shaped handle at its upper end, links pivoted at their outer ends to said upright extensions and at their inner ends to said operating bar, a stop secured to said operating bar and having upright fingers spaced from said bar, inclined brace bars pivoted at their outer ends to said upright extensions, a bolt passing through their inner ends and extending between said fingers and a nut on said bolt.

4. A go cart comprising side members, toggle links connecting the same, means for holding said links extended and an upright connecting bar for operating said links, said bar having a hook shaped handle at its upper end, stub axles carried by said side members, toggle links connecting said stub axles and means for holding the toggle links connecting said stub axles in an extended position.

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

HENRY TAYLOR.

Witnesses:
ARTHUR C. NELSEN,
Mrs. H. TAYLOR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."