G. B. SCARLETT.

COLLAPSIBLE GOCART.

APPLICATION FILED JULY 27, 1921.

1,409,787.

Patented Mar. 14, 1922.

2 SHEETS—SHEET 1.

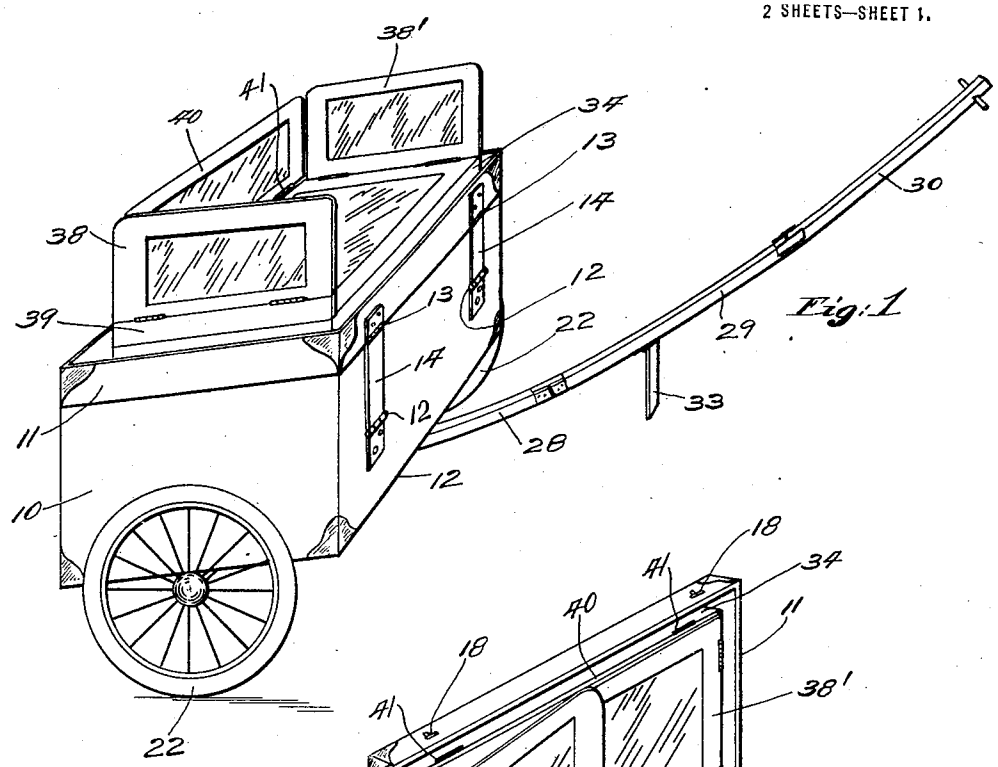


Fig. 1

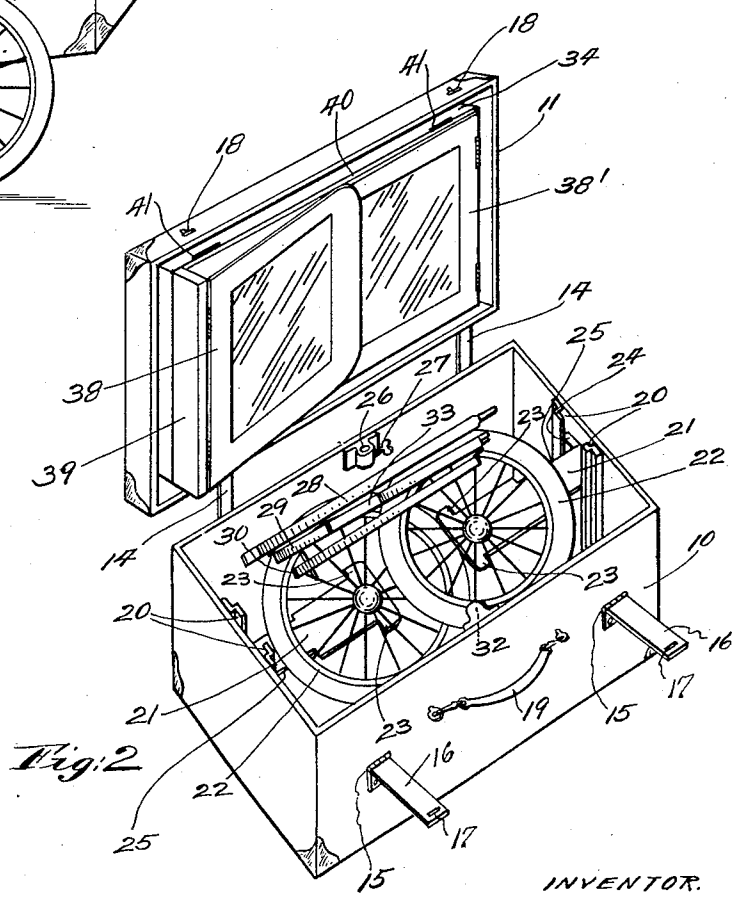


Fig. 2

INVENTOR.

George B. Scarlett.

BY William J. Jackson

ATTORNEY.

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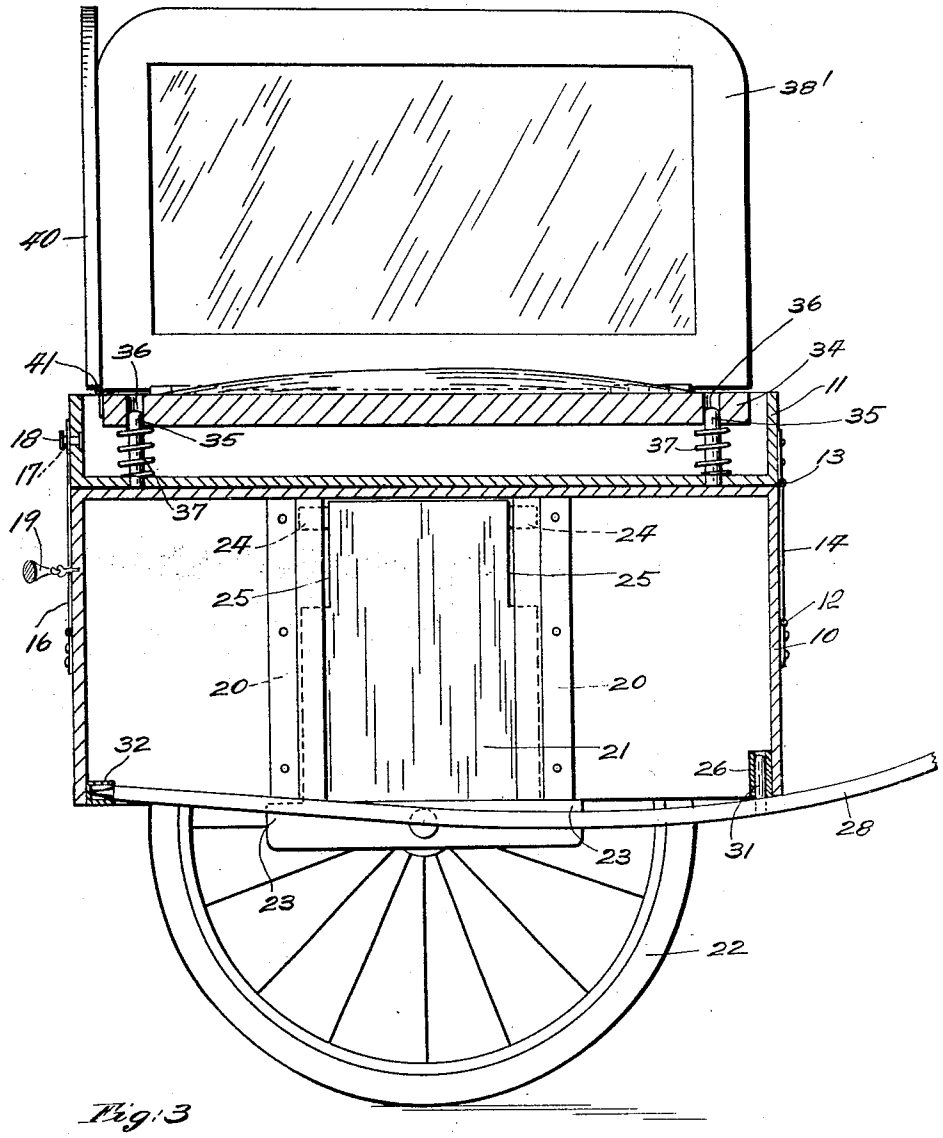


Fig. 3

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UNITED STATES PATENT OFFICE.

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COLLAPSIBLE GOCART.

1,409,787. Specification of Letters Patent. Patented Mar. 14, 1922.

Application filed July 27, 1921. Serial No. 487,862.

To all whom it may concern:

Be it known that I, GEORGE B. SCARLETT, a citizen of the United States, residing at Kennett Square, county of Chester, and State of Pennsylvania, have invented a certain new and useful Collapsible Gocart, of which the following is a specification.

This invention generally stated relates to go-carts and has more especial relation to a device of this kind which is collapsible so that when not in use it may be folded into compact form so as to be readily carried by the owner in trolley-cars, railroad cars and the like.

The leading object of the present invention is to provide a device of this character possessed of certain novel features whereby when in use it functions efficiently as a go-cart and when properly folded to be carried by the owner is symbolic of a so-called dress-suit case in which may be carried not only the go-cart wheels, seat, handle and like parts but in which may be carried small parcels as for instance lunches, and children's wearing apparel. Other and further objects of the present invention reside in the provision of certain novel arrangements, connections, and combinations of parts for attaining the results sought by said leading object.

The invention consists of the improvements hereinafter described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

Fig. 1, is a perspective view of a go-cart embodying features of the present invention.

Fig. 2, is a similar view illustrating the manner of folding the parts, and

Fig. 3, is a central sectional view of the go-cart.

For the purpose of illustrating my invention I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

Generally stated the device may be said to consist primarily of a box-like structure, having a lid or cover, a pair of wheels and a handle for the box and a seat for the lid or cover which parts in assembled position provide a light, durable and efficient go-cart and which box-like structure including its lid or cover are adapted to receive the seat, wheels and handle when the parts are in knock-down position. Referring to the drawings in detail, 10 designates a box-like structure of any suitable material which is light yet durable. 11 designates a lid or cover therefor, which is of shallow, tray-like form. In practice the parts 10 and 11 are, exteriorly considered, symbolic of a so-called dress-suit case. The lid 11 has hinged relation with the box 10 as clearly shown in Fig. 1. In practice the lid is so arranged that it may be folded over upon the box bottom as shown in Figs. 1 and 3 or folded over upon the box top as shown in Fig. 2. For this purpose strap hinges having double joints are provided. 12 and 13 designate the hinge-joints and 14 the hinge-straps. In order to secure the lid to the box in either of the above positions, hinge-joints 15 are secured to the box, connected with which are hinge-straps 16. The latter are each provided with a slot 17 at their free ends. Pivoted to the cover 11 are buttons 18 adapted to co-operatively engage with the slots of the hinge-straps 16. That side of the box provided with the hinge-straps 16 is equipped with a hand-grip 19 of any desired form. Interiorly considered each end of the box 10 is provided with grooved ways 20 which extend from the bottom to the top of said box. Co-operatively engaging these ways are slides 21 journalled to which are the go-cart wheels 22 of which there are two. Since the slides 21 are of duplicate form a description of one will suffice. A slide is of elongated, substantially rectangular configuration and is provided at its outer end with stops 23 and at its inner end with trunnions 24. Adjacent each trunnion the slide is cut away as at 25 to afford clearance when the slide is moved from operative position as shown in Figs. 1 and 3, to inoperative position shown in Fig. 2. Assuming that the device is in knock-down position, as shown in Fig. 2, the trunnions 24 are in engagement with the grooved ways 20, the remaining portions of the slides being free of said ways. By swinging outward the wheels until the

slides are in the same plane with the ways and then moving the slides toward the bottom of box 10 until stops 23 abut against the box-edges, a rigid support is provided for each wheel. Also located within the box 10 is means to receive the go-cart handle. Upon that side of the box 10 to which the cover is hinged is a socket 26 which is located adjacent the box top and is provided with a thumb-screw 27. Adapted to engage within said socket and be secured by said thumb-screw is a pin 31 carried by section 28 of a knock-down handle. The free end of said section is tapered to engage a socket 32 carried by the sides of the box opposite that carrying socket 26. Hinged to section 28 is a section 29 and hinged to section 29 is another section 30. The sections are slightly curved as shown so as to project upwardly when the go-cart is in assembled position at which time socket 26 is vertically disposed and socket 32 horizontally disposed. Section 29 of the handle has hinged thereto a rest 33 to prevent the free end of the handle from contacting with the ground when the go-cart is not being used. In assemblying the parts as shown in Figs. 1 and 3, the box is inverted and the lid or cover swung over so as to rest upon the bottom of box 10 in inverted position. Located within the tray-like lid or cover 11, is a rectangular member 34 forming a seat and preferably having cushioned relation with the lid. In the drawings pins 35 are fixed to the lid and member 34 is apertured as at 36 in alignment with said pins and springs 37 are coiled around said pins between the seat bottom and the cover top. Having hinged relation with the seat are side-pieces 38 and 38′. If the side-pieces are relatively high, it is necessary to fold one over upon the other as shown in Fig. 2, in which case a strip 39 is secured to member 34 and side-piece 38 is hinged thereto. Having hinged relation as at 41 with the member 34 is a back-rest 40. In folding the parts, side-piece 38′ is folded over upon member 34, back-rest 40 folded over upon said side-piece and side-piece 38 folded over upon the back-rest as shown in Fig. 2. When the parts are in the knock-down arrangement shown in Fig. 2, and the lid or cover is lowered to place, the member 34, together with its side-pieces and back-rest, yields sufficiently by reason of springs 37 so that the wheels and handle within the box do not interfere with the closing of said lid and there is still sufficient room within the box in which to place small packages or children's wearing apparel. With the cover secured to place by hinge-straps 16 the device is symbolic of a suit-case and may be readily carried from place to place by means of hand-grip 19. In practice the material employed is light in weight and the parts may readily and expeditiously assembled and collapsed. Since the device in knock-down position is of the same general shape of a suit-case it is very convenient for carriage in trolley and railroad cars, automobiles, steam-boats and the like where space is at a premium.

It will now be apparent that I have devised a novel and useful construction which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description and while I have in the present instance shown and described the preferred embodiment thereof which has been found in practice to give satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

What I claim is:

1. In a device of the character stated a box provided with a lid capable of being folded over upon the box bottom when said box is in inverted position a seat including side-pieces and a back-rest for said lid, wheels secured to said box and capable of being folded over into said box and a sectional handle detachably secured to said box.

2. A construction as described in claim 1, characterized by means for securing the lid to the box in closed and open position.

3. A construction as described in claim 1, characterized by said seat having cushioned relation with said lid.

4. A construction as described in claim 1, characterized by grooved ways within said box and slides carrying said wheels movable through said ways.

5. A construction as described in claim 1, characterized by folding side-pieces and a pliable back-rest for said seat.

6. A construction as described in claim 1, characterized by said handle being generally curved and means within said box to which said handle is detachably secured.

7. A construction as described in claim 1, characterized by a hand-grip for said box.

8. A construction as described in claim 1, characterized by hinge-straps securing said lid to said box.

9. A construction as described in claim 1, characterized by additional hinge-straps secured to said box and means carried by said lid for engaging said hinge-straps in the closed position of said lid.

10. A construction as described in claim 1, characterized by said handle being made up of hinged sections.

11. A construction as described in claim 1, in which the device in folded position is symbolic of a suit-case.

In testimony whereof, I have hereunto signed my name.

GEORGE B. SCARLETT.