April 21, 1959 W. REICH 2,883,207

GOLF CART

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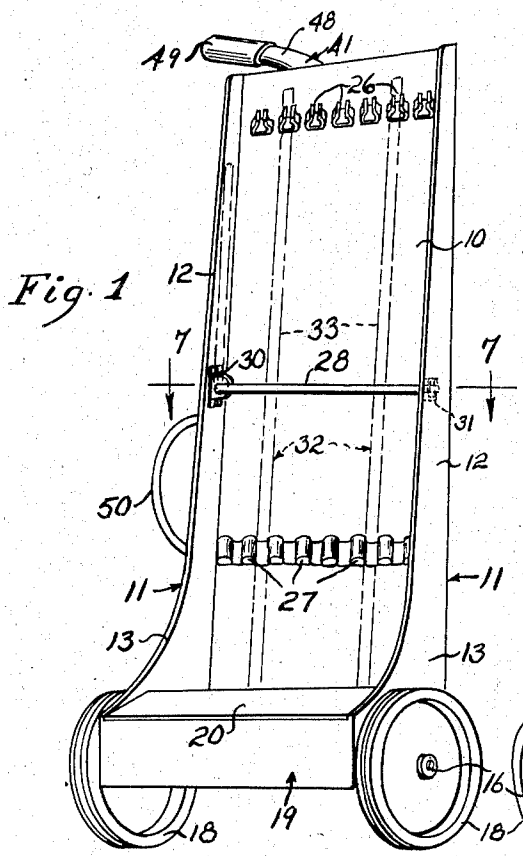


Fig. 1

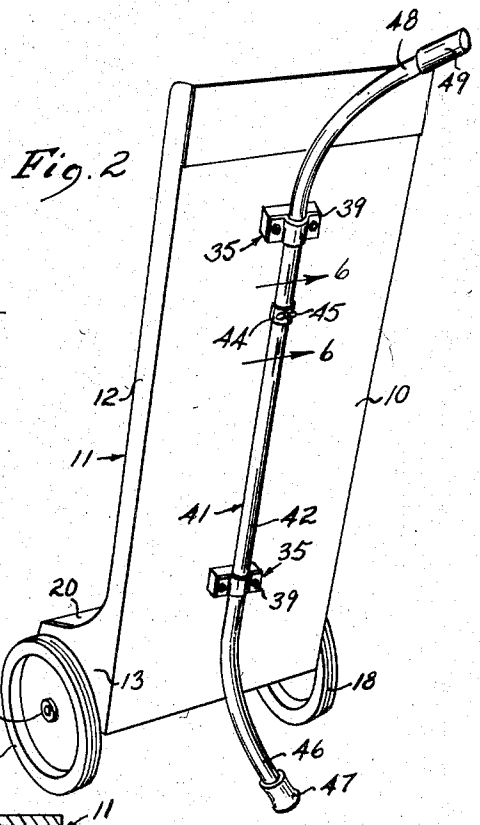


Fig. 2

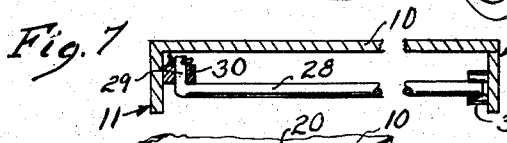


Fig. 7

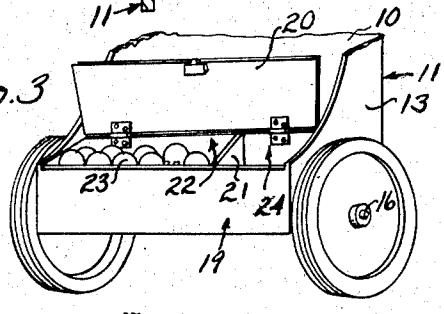


Fig. 3

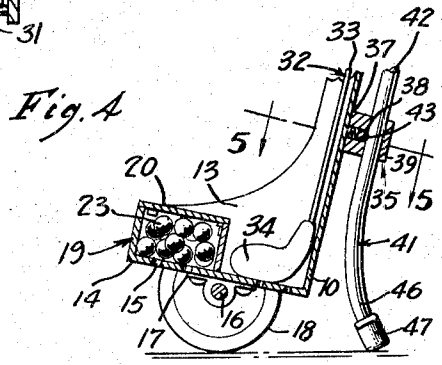


Fig. 4

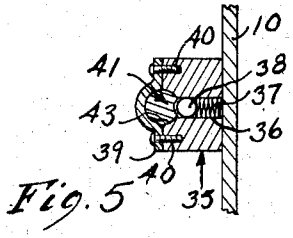


Fig. 5

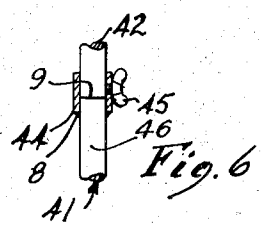


Fig. 6

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GOLF CART

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Application July 24, 1957, Serial No. 673,951

3 Claims. (Cl. 280—47.19)

This invention relates to a golf cart.

The object of the invention is to provide a golf cart which is adapted to be used for handling or transporting golf clubs, golf balls and the like.

Another object of the invention is to provide a golf cart which includes a means for conveniently supporting a plurality of golf clubs, and wherein there is provided a means which can be moved into a position that will permit the golf cart to be conveniently supported when the cart is not being moved.

A further object of the invention is to provide a golf cart which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings, forming a part of this application, and in which like numerals are used to designate like parts throughout the same.

Figure 1 is a perspective view illustrating the golf cart of the present invention.

Figure 2 is a perspective view but looking at the rear of the golf cart.

Figure 3 is a fragmentary perspective view showing the lower portion of the golf cart, and with the lid of the container in raised position.

Figure 4 is a fragmentary vertical sectional view taken through the golf cart.

Figure 5 is a sectional view taken on the line 5—5 of Figure 4.

Figure 6 is a sectional view taken on the line 6—6 of Figure 2.

Figure 7 is a sectional view taken on the line 7—7 of Figure 1.

Referring in detail to the drawings, there is shown a golf cart which includes a back wall **10**, and a pair of spaced parallel side walls **11**. Each of the side walls **11** includes a portion **12** which terminates in a lower portion **13** of increased size. The golf cart further includes a bottom wall **14** which is arranged at right angles with respect to the back wall **10**, and the bottom wall **14** is provided with a plurality of openings **15** so that water such as rain water or the like can drain therethrough. Extending beneath the bottom wall **14** and held in place by clamps **17**, is an axle **16**, and a pair of ground engaging wheels **18** are mounted on the axle **16**.

Mounted on the bottom wall **14** is a container which is indicated generally by the numeral **19**, and the container **19** is provided with a hinged cover or lid **20**. A partition **21** is arranged in the container **19**, and the partition **21** defines spaced apart compartments **22** and **24**. The compartment **22** can be used for holding golf balls such as the golf balls **23**, while the compartment **24** can be used for holding other golf accessories such as tees or the like.

The numeral **26** indicates a row of spring clamps which are secured to the back wall **10** adjacent the upper portion thereof. Also secured to the back wall **10** and arranged below the spring clamps **26** are spacer members **27**. A clamping bar or safety bar **28** has a transverse portion **29** pivotally connected to a bearing **30** which is secured to one of the side walls **11**, and the other end

of the bar **28** is adapted to be engaged in a latch **31** which is on the other side wall so that golf clubs **32** will be safely retained in the cart. The golf clubs **32** each include the usual shaft portion **33** and head **34**.

Secured to the rear surface of the back wall **10** is a movable shaft which is indicated generally by the numeral **41**, and the shaft **41** includes a major straight portion **42**. See Figure 2. For supporting the shaft **41**, a pair of bearing blocks **35** are secured to the back wall **10** and project rearwardly therefrom, and each of the blocks **35** is provided with a recess **36**. See Figure 5. A coil spring **37** is arranged in each recess **36** and engages a ball **38**. A clamping plate **39** is secured to each block **35** by means of securing elements **40**, and each clamping plate **39** includes an intermediate curved portion which straddles the shaft **41**. The shaft **41** is provided with indentations **43** which are adapted to be selectively engaged by the spring pressed ball **38**.

Secured to the back wall **10** is a collar **44** through which extends the portion **42** of the shaft **41**, and a screw member **45** extends through the collar **44** and engages the shaft **41** so that by loosening the screw member **45**, the shaft **41** can be rotated. The lower portion of the shaft **41** is arranged angularly as at **46**, and a resilient bushing **47** is mounted on the lower end thereof. The upper portion **48** of the shaft **41** is also bent transversely and has a hand grip **49** or bushing **49** thereon. The numeral **50** indicates a carrying handle which can be secured to the cart for facilitating the manual carrying or lifting thereof.

From the foregoing, it is apparent that there has been provided a golf cart which is especially suiatble for use by golfers and wherein the handling of golf clubs, balls and the like will be greatly facilitated. In use, a plurality of the golf clubs **32** are adapted to be supported in the cart, and the shaft portions **33** of the clubs **32** are releasably engaged in the spring clips **26** and spacer members **27**. The heads **34** of the clubs are positioned as shown in Figure 4 and the clubs are further held in position by means of the locking bar **28**. When it is desired to remove any of the clubs, the locking bar **28** can be readily pivoted about the bearing **30** so that the clubs **32** can be readily removed from the spring clips **26** or spacer members **27**. The wheels **18** permit the cart to be readily moved from place to place as desired, and by properly positioning the shaft **41**, the upper portion **48** of the shaft can be used as a handle for facilitating the movement of the cart from place to place. The golf balls **23** can be readily arranged in the compartment **22**, and golf tees or the like can be arranged in the compartment **24**. By loosening the screw member **45**, the shaft **41** can be pivoted to a position so that the lower portion **46** acts as a rest whereby the golf cart can be conveniently supported. The spring pressed balls or detents **38** are adapted to engage the indentations **43** in the shaft **41** whereby the shaft **41** will be maintained immobile in its various adjusted positions. However, when the shaft **41** is to be moved, the spring pressure exerted by the springs **37** can be readily overcome.

As previously described, the golf clubs **32** are held in place by means of the spring clips **26** so that the clubs will not accidentally fall out while the cart is being moved over the golf course. The spacer members **27** help maintain the clubs in their proper alined position. When the cart is being parked, as for example when the game of golf is being played, the shaft **41** can be rotated in the bearing assemblies **35** so that the lower portion **46** of the shaft **41** will help to support the cart. As shown in Figure 6, the shaft **41** consists of an upper section and a lower section whereby these sections can be moved independently of each other as desired, so that for example when the cart is being carried in an automobile or the

like, the parts can be moved to occupy a minimum amount of space. The cart can be made of any suitable material and in different shapes or sizes, and a plurality of golf clubs can be supported therein. As shown in Figure 4 for example, it will be seen that the golf club heads **34** fit behind the container **19** so that the parts are kept securely in place and wherein the clubs can be readily removed when they are to be used. Furthermore, if desired a safety belt can be used to help hold the clubs securely in place and also, a suitable cover member may be mounted on the cart when desired. The cost of making the cart is quite low. The cart of the present invention will eliminate the need for using a golf bag. Furthermore the cart can be conveniently and quickly parked and the clubs are in full view so that the desired club can be easily and quickly selected or removed. Also, the ball box and tee container are readily accessible and in plain sight. The handle **50** can be used for carrying the cart, and the bar **28** can be used for maintaining the clubs securely in the cart, as for example when the device is being carried in an automobile. The bushings **47** and **49** may be made of a suitable yieldable material such as rubber. Furthermore, when the device is being moved in and out of an automobile, the golfer has only one item to handle which is an advantage to the golfer. The unit is compactly constructed and the clubs are carried with the head **34** down so that the cart is highly stable wherein the cart will not be easily upset. The holes or openings **15** permit water to readily flow out, as for example when it rains. The golf clubs are well protected and the heads of the clubs are also protected since they rest in a cradle at the bottom of the cart and such a cradle may be lined with felt or the like to keep the heads from coming in contact with each other. Because the golf club heads are cradled conveniently, it is not necessary to use mitts or covers on the golf club heads. Also, when the cart is parked, it tilts back at an angle which permits the clubs to be in full view from top to bottom so as to facilitate the selection of the desired club. A waterproof cover may be used with the device if desired. Also, a suitable clip board and clips may be provided in the back of the cart to hold score cards, pencils, cigarettes or the like.

As shown in the drawings, the shaft **41** includes two separate sections **42** and **46** which abut each other at the point indicated by the numeral **9**, Figure 6, so that these two sections **42** and **46** are capable of independent movement with respect to each other. The collar **44** is secured as by welding at **8** to the lower section **46**. The set screw **45** extends through the collar **44**, and when the set screw **45** is tightened, it will lock the collar **44** to the upper section **42** so that the pair of sections **42** and **46** will turn in unison. Similarly, when the set screw **45** is loosened, the sections **42** and **46** can be moved independently of each other. This arrangement permits the lower section **46** to be moved to the desired position by applying pressure directly to the lower section **46** as for example when the set screw **45** is loose. Or, when the set screw is tight, movement of the upper section **42** will cause corresponding movement of the lower section **46**.

While I have shown a preferred form of my invention, I reserve all rights to such modifications as properly fall within the scope of the invention as claimed.

I claim:

1. In a golf cart, a back wall, a pair of spaced parallel side walls extending from said back wall and secured thereto, each of said side walls including a lower portion of increased size and an upper portion of decreased size, a bottom wall extending between the lower ends of said side walls and secured thereto, a horizontally disposed axle journaled below said bottom wall, a pair of wheels mounted on said axle, a pair of spaced apart bearing members secured to said back wall and extending rearwardly therefrom, each of said bearing members including a block provided with a recess, a spring pressed ball arranged in said recess, clamping plates secured to said blocks and including intermediate curved portions, there being an arcuate recess in the outer portion of each of said blocks adjacent the curved portion of the clamping plate, a shaft including a major straight portion rotatably arranged between the curved portions of said plates and said arcuate recesses, there being indentations in said shaft for receiving said spring pressed balls, the upper and lower portions of said shaft being arranged angularly with respect to the major portion thereof, and resilient bushings mounted on the upper and lower ends of said shaft.

2. In a golf cart, a back wall, a pair of spaced parallel side walls extending from said back wall and secured thereto, each of said side walls including a lower portion of increased size and an upper portion of decreased size, a bottom wall extending between the lower ends of said side walls and secured thereto, a horizontally disposed axle journaled below said bottom wall, a pair of wheels mounted on said axle, a pair of spaced apart bearing members secured to said back wall and extending rearwardly therefrom, each of said bearing members including a block provided with a recess, a spring pressed ball arranged in said recess, clamping plates secured to said blocks and including intermediate curved portions, there being an arcuate recess in the outer portion of each of said blocks adjacent the curved portion of the clamping plate, a shaft including a major straight portion rotatably arranged between the curved portions of said plates and said arcuate recesses, there being indentations in said shaft for receiving said spring pressed balls, the upper and lower portions of said shaft being arranged angularly with respect to the major portion thereof, and resilient bushings mounted on the upper and lower ends of said shaft, and a container mounted on said bottom wall and said container being provided with a plurality of compartments therein.

3. In a golf cart, a back wall, a pair of spaced parallel side walls extending from said back wall and secured thereto, each of said side walls including a lower portion of increased size and an upper portion of decreased size, a bottom wall extending between the lower ends of said side walls and secured thereto, a horizontally disposed axle journaled below said bottom wall, a pair of wheels mounted on said axle, a pair of spaced apart bearing members secured to said back wall and extending rearwardly therefrom, each of said bearing members including a block provided with a recess, a spring pressed ball arranged in said recess, clamping plates secured to said blocks and including intermediate curved portions, there being an arcuate recess in the outer portion of each of said blocks adjacent the curved portion of the clamping plate, a shaft including a major straight portion rotatably arranged between the curved portions of said plates and said arcuate recesses, there being indentations in said shaft for receiving said spring pressed balls, the upper and lower portions of said shaft being arranged angularly with respect to the major portion thereof, resilient bushings mounted on the upper and lower ends of said shaft, a container mounted on said bottom wall and said container being provided with a plurality of compartments therein, said bottom wall being provided with a plurality of openings therein, and a carrying handle connected to said cart.

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