

Aug. 20, 1946.

R. E. ALLEN

2,406,183

MECHANICAL CADDY

Filed Oct. 21, 1944

2 Sheets-Sheet 1

II → **FIG. 1**

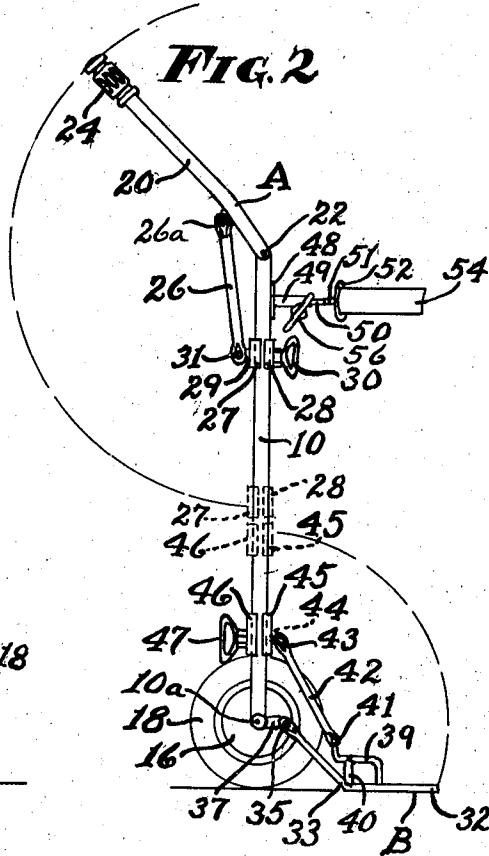
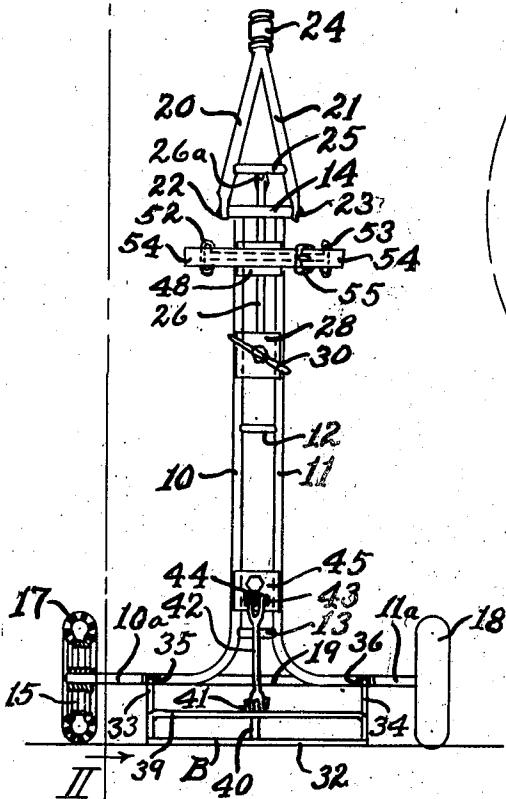
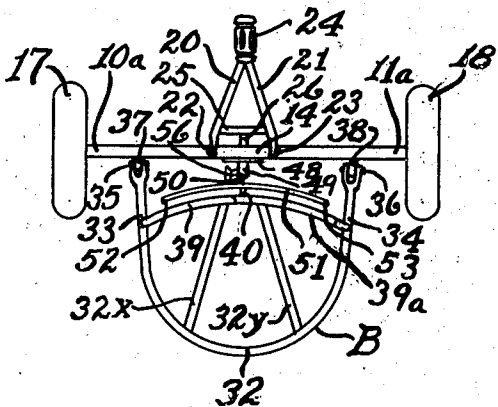


FIG. 3



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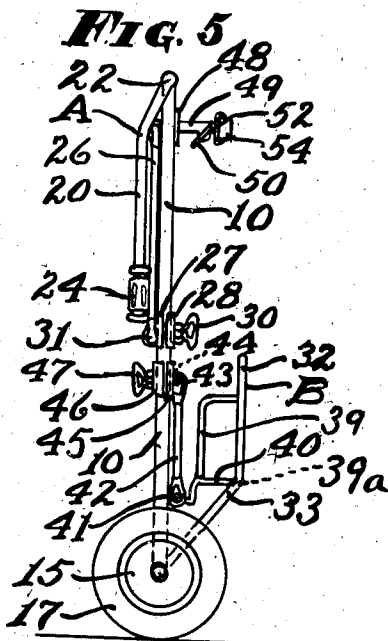
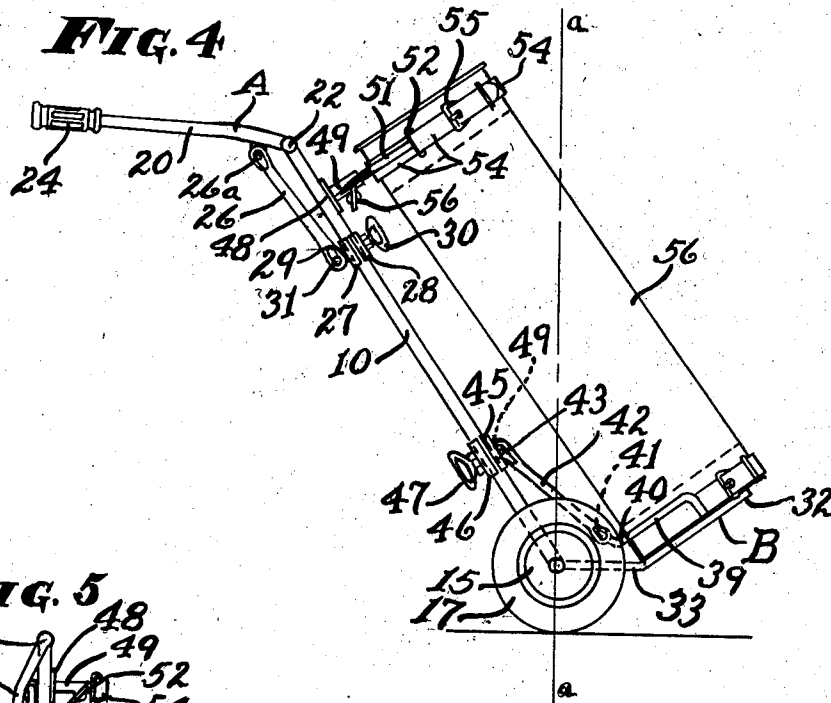
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MECHANICAL CADDY

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6 Claims. (Cl. 280—36)

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My invention relates to an improvement in mechanical caddies. The object of my invention is to provide a mechanical caddy whereby a golf player may omit the caddy boy and carry his golf club bag on the mechanical caddy.

Another object is to provide a mechanical caddy that is light in weight, one that is simple in structure, easy to make, and one that is substantial, durable, long lived, and one that is easy to move around, and handy to use.

A still further object is to provide a mechanical caddy of the kind mentioned that is adjustable so as to receive and hold any size golf club bag, and to hold the bag and golf clubs therein, in a substantially balanced position over the axle of the mechanical caddy so that the caddy may be pushed over the golf course with ease and the golf player will have to carry little or no load of the caddy, golf club bag and golf clubs therein.

A still further object is to provide a mechanical caddy of the kind mentioned that is collapsible so that it may be compactly folded up for transport purposes. These and other objects will be more fully explained as this description progresses.

Now referring to the accompanying drawings, Fig. 1 is a front elevational view of my improved mechanical caddy.

Fig. 2 is a side and sectional view of my improved mechanical caddy, the view being taken along the line II—II in Fig. 1 and looking in the direction of the arrows.

Fig. 3 is a top plan view of my improved mechanical caddy as shown in Fig. 1.

Fig. 4 is a side view of my improved mechanical caddy having a golf club bag therein and being tipped to show how the bag is substantially balanced over the axle of the caddy.

Fig. 5 is a side view of the mechanical caddy in the collapsed or folded position.

Similar numerals of reference designate the same parts throughout the several figures of the drawings.

In the drawings is shown my improved mechanical caddy as having a pair of parallel frame members 10 and 11 that are spaced apart and are rigidly joined together at the central portion by a cross member 12 and at the lower portion by a second cross member 13, and at the top by a third cross member 14 that is tubular in form and over laps the upper ends of the frame members 10 and 11. The cross members 12, 13 and 14 are all rigidly attached, preferably by welding, to the frame members 10 and 11. The lower ends of the frame members 10 and 11 swing

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outwardly in opposite directions to form axle members 10a and 11a on which is revolvably mounted wheels 15 and 16 that are preferably provided with pneumatic tires 17 and 18. At 19 is shown a fourth cross member that is fitted between the lower curved portions of the frame members 10 and 11 and in alignment with the axles 10a and 11a and being welded thereto to strengthen and increase the rigidity of the frame.

The frame is provided with a handle member that is V-shaped and the lower ends of the legs 20 and 21 are pivotally mounted at 22 and 23 on the tubular cross member 14. At the joinder of the outer ends of the legs 20 and 21 is a handle member 24 that is rigidly mounted thereon. The legs 20 and 21 are bent slightly at the point A to provide for compact folding of the handle member shown in Fig. 5. Adjacent the ends of the legs 20 and 21 and therebetween is rigidly fixed preferably by welding, a cross member 25 to which is pivotally attached, at the central portion thereof as at 26a, one end of a link member 26. At 27 and 28 is a pair of clamp elements spanning across the frame members 10 and 11 and the ends thereof are fashioned to slidably engage opposite sides of the frame members 10 and 11. The clamp elements 27 and 28 are bound together by a bolt 29 that passes through the clamp members 27 and 28 and which is provided with a wing nut 30 that is threaded on the bolt 29 to bear against the clamp member 28 whereby the turning of the wing nut 30 on the bolt 29 will clamp the clamp members 27 and 28 on the frame members 10 and 11 at any selected point up and down the frame members 10 and 11. The other end of the link 26 is pivotally connected at 31 to the rear end of the bolt 29 so that by sliding the clamp members 27 and 28 up or down on the frame members 10 and 11 and clamping them at selected points thereon the handle portion 20—21—24 may be rigidly positioned and held at selected angles relative to the frame members 10 and 11, and the handle portion 20—21—24 may be folded against the frame members 10 and 11 as shown in Fig. 5.

The device is provided with a golf club bag supporting platform B that has a curved front portion 32 that merges into a pair of parallel positioned and rearwardly extending and upwardly directed leg elements 33 and 34 that are pivotally attached at 35 and 36 to mounting arms 37 and 38 that are rigidly mounted on and extend forward from their respective axle element 10a and 11a. The rear portion of the platform B is provided with an elevated curved

guard 39 the ends of which are bent downwardly and then welded to the platform legs 33 and 34. Directly beneath the elevated curved guard 39, and lying in the same plane with the curved platform member B is a second platform cross member 39a, the ends of which are also welded to the element 32.

Between the platform frame members 32 and 39a is positioned a pair of platform floor bars 32x and 32y, one end of each floor bar 32x and 32y being rigidly attached, preferably by welding, to the frame member 39a and the other ends of the floor bars 32x and 32y being rigidly attached, preferably by welding, to the curved platform member 32.

At the central point of the elements 39 and 39a is a transversely positioned element 40 that is welded to both platform elements 39 and 39a. The top end of the element 40 is bent rearwardly from the guard element 39 and then bent at substantially right angles in continued parallelism with the other end of the element 40. To the last said end of the element 40, at the point 41, is pivotally connected one end of a link element 42, the other end of the link element 42 is pivotally connected at 43 to a bolt 44 that passes through a pair of clamp plates 45 and 46 that are positioned one on either side of the frame members 10 and 11, and the ends of the clamp plates 45 and 46 are fashioned to fit around the frame members 10 and 11 and are slidable up and down thereon. The bolt 44 is provided with a wing nut 47 that is threaded on the bolt 44 so that by the turning of the wing nut 47 will pull the clamp plates 45 and 46 toward each other to rigidly clamp them on the frame elements 10 and 11 at any desired point up and down the frame members 10 and 11 for adjustment of the golf club bag supporting platform B as will later be described.

Adjacent the upper end of the frame members 10 and 11 is a bracket support plate 48 that spans across the frame members 10 and 11 and the ends of the plate 48 are welded to the frame members 10 and 11. Rigidly attached to, or integrally formed on, the central portion of the plate 48 is an outwardly projecting tubular element 49 in which is slidably mounted a pin 50 on which is rigidly mounted an arcuate support bracket 51 the ends of which are provided with eyes 52 and 53 through which is threaded a binding strap 54 that is provided with a buckle 55 to adjustably hold the loose end of the strap 54 as will be readily understood. The sleeve 49 is cut longitudinally on one side and is provided with a wing bolt 56 that is threaded therethrough, whereby the turning of the wing bolt 56 will contract the sleeve 49 to rigidly bind and hold the bracket pin 50 in adjusted in or out positions.

The mechanical caddy may be folded into a compact outfit as shown in Fig. 5 for transportation purposes. The mechanical caddy may be prepared for use by loosening the wing nut 47, whereupon the clamp members 45 and 46 are loosened on the frame members 10 and 11 so that they will slide thereon. This being done, the golf club bag supporting platform B may be swung downwardly to the position shown in Fig. 2, and the wing nut 47 may then be tightened to clamp the clamp members 45 and 46 on the frame members 10 and 11, whereby the link 42 rigidly holds the golf club supporting platform B in its adjusted position so that it will be supported on the wheels 17 and 18 and the platform B will rest on the ground which will cause the

device to stand up as shown in Fig. 2. This being done, the wing nut 30 may be loosened whereby the clamp elements 27 and 28 are loosened on the frame members 10 and 11 and are slidable thereon, whereby the handle portion 20-21-24 may be set at any desired angle to the frame 10-11 as indicated in Fig. 2 and the wing nut 30 then tightened to rigidly bind the clamp elements 27 and 28 on the frame members 10 and 11 so that the link 26 rigidly holds the handle portions 20-21-24 in its adjusted angular position as shown in Fig. 2.

The mechanical caddy having been prepared as above described, a golf club bag 56 may be set on the golf club bag supporting platform B with the upper end of the bag resting against that portion of the strap 54 that lays in the curve of the arcuated support bracket 51, the strap 54 being passed around the top of the bag 56 and the ends being buckled together to firmly hold the bag 56 in place as shown in Fig. 4.

The golf club bag having been placed in the mechanical caddy as above described, the platform B may be rocked up or down by loosening the wing nut 47 and sliding the clamp 45-46 up or down whereby the golf club bag may be so adjusted that it may be about balanced across the vertical axis a-a when the caddy and bag 56 is in a tilted position such as shown in Fig. 4. Also, the handle element 20-21-24 may be adjusted to any desired angle with respect to the balance of the device to suit the height and comfort of the person using or pushing the caddy by the handle 24.

Such modifications of my invention may be employed as lie within the scope of the appended claims without departing from the spirit and intention of the invention. Now having fully shown and described my invention, what I claim is:

1. In a mechanical caddy, the combination of a frame, an axle on said frame, wheels on said axle, a handle element, and a golf bag supporting platform, and an upper support for the upper end of a golf club bag, said handle element being pivotally adjustable on the upper portion of said frame and having link means for holding said handle element in selected adjustable positions relative to said frame, and means for holding said golf club bag supporting platform in selected adjusted positions relative to said frame, and means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame.

2. In a mechanical caddy as defined in claim 1, the adjusted position of the said golf club bag supporting platform serving to hold the golf club bag in adjusted position up and down the frame to substantially balance the golf club bag across a vertical axis passing through the center of the axle when the frame is in varied angular position relative to said vertical axis, the in and out adjustment of said support for the upper end of the golf club bag serving to balance the golf club bag across the aforesaid vertical axis.

3. In a mechanical caddy; a frame, an axle on said frame, wheels on said axle, a handle element, and a golf club bag supporting platform, and an upper support for the upper end of a golf club bag, said handle element being adjustable on the upper portion of said frame, and means for holding said handle element in related adjustable positions relative to said frame, and means for holding said golf club bag supporting platform in selected adjusted positions relative;

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to said frame, and means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame, said means for holding said handle element in selected adjustable positions relative to said frame being a link and clamp device, one end of said link being pivotally connected to said handle element, the other end of said link being pivotally connected to said clamp element, said clamp element being slidable on said frame, and means for clamping said clamp elements on said frame in selected positions on the frame.

4. In a mechanical caddy, a frame, an axle on said frame, wheels on said axle, a handle element, and a golf club bag supporting platform and an upper support for the upper end of a golf club bag, said handle element being pivotally adjustable on the upper portion of said frame, and means for holding said handle element in selected adjustable positions relative to said frame, and means for holding said golf club bag supporting platform in adjusted positions relative to said frame, and means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame, said means for holding said golf club bag supporting platform in selected adjusted positions relative to the said frame being a link and clamp device, one end of the said link being pivotally connected to the central rear portion of the golf club bag supporting platform, the other end of said link being pivotally connected to the said clamp device, said clamp device being slidably mounted on the frame, and means on said clamp device for clamping the clamp device on the frame in selected positions up and down on the frame.

5. In a mechanical caddy; a frame, an axle on said frame, wheels on said axle, a handle element, and a golf club bag, supporting platform, and an upper support for the upper end of a golf club

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bag, said handle element being pivotally adjustable on the upper portion of the said frame, and means for holding said handle element in selected adjustable positions relative to said frame, and means for holding said golf club bag supporting platform in selected adjusted positions relative to said frame, and means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame, said means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame being a tubular element carried by the frame, a pin slidable in said tubular element and an arcuate rest on said pin, and means for clamping said pin in said tube for the rigid holding thereof in adjusted in and out positions, and flexible means carried by the arcuate rest for attachment to the upper end of a golf bag.

6. In a mechanical caddy; a frame, an axle on said frame, wheels on said axle, a handle element, and a golf club bag supporting platform, and an upper support for the upper end of a golf club bag, said handle element being pivotally adjustable on the upper portion of said frame, and means for holding said handle element in selected adjustable positions relative to said frame, and means for holding said golf club bag supporting platform in selected adjusted positions relative to said frame, and means for holding said support for the upper end of the golf club bag in selected spaced positions from the frame, said frame being a pair of parallel positioned elements spaced apart, the lower ends of said pair of parallel positioned elements being curved in opposite directions so that the ends thereof are in alignment with each other to form the axle for the caddy supporting wheels, and means for holding said parallel positioned frame members in definite fixed spaced relationship to each other.

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