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MOTORIZED HUNTING CART DEVICE

Abstract

A motorized hunting cart device is provided. The device is comprised of a motorizing hunting cart device that can be used to allow a hunter to transport a dead game animal with minimal physical effort. To do so, the device preferably has two wheels and an electric motor that can quietly transport a dead game animal in the body of the device. The device can be steered via a handle, wherein the handle is comprised of at least one trigger that activates the motor.

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Background/Summary

FIELD OF THE INVENTION

[0001] The present invention relates generally to the field of hunting. More specifically, the present invention relates to a motorized hunting cart device that provides a hunter with a small, motorized

cart that can be used to transport a dead game animal. Accordingly, the present disclosure makes specific reference thereto. Nonetheless, it is to be appreciated that aspects of the present invention are also equally applicable to other like applications, devices, and methods of manufacture.

BACKGROUND

[0002] After killing an animal, a hunter must transport the animal to a secondary location such as a camp, a vehicle, etc. This is typically done by carrying or dragging the dead animal. However, depending on the size of the animal and the physical strength/ability of the hunter, this process can be exceptionally physically taxing. As a result, some individuals may use small UTVs, ATVs, or other motorized vehicles to transport a dead animal. However, said vehicles produce noise that can scare away other nearby animals which may be undesirable for the hunter and/or other hunters.

[0003] Therefore, there exists a long-felt need in the art for a device for transporting a dead game animal. There also exists a long-felt need in the art for a motorized hunting cart device that can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user. In addition, there exists a long-felt need in the art for a motorized hunting cart device that can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user and wherein the device is quiet when in use.

[0004] The subject matter disclosed and claimed herein, in one embodiment thereof, comprises a motorized hunting cart device. The device is comprised of a motorizing hunting cart device that can be used to allow a hunter to transport a dead game animal with minimal physical effort. The device is preferably comprised of two wheels and an electric motor that can quietly transport a dead game animal in the body of the device. The device can be steered via a handle, wherein the handle is comprised of at least one trigger that activates the motor.

[0005] In this manner, the motorized hunting cart device of the present invention accomplishes all the foregoing objectives and provides a device for transporting a dead game animal. While doing so, the device requires little physical effort on the part of the user. In addition, the device is quiet when in use due to the electric motor.

SUMMARY

[0006] The following presents a simplified summary to provide a basic understanding of some aspects of the disclosed innovation. This summary is not an extensive overview, and it is not intended to identify key/critical elements or to delineate the scope thereof. Its sole purpose is to present some general concepts in a simplified form as a prelude to the more detailed description that is presented later.

[0007] The subject matter disclosed and claimed herein, in one embodiment thereof, comprises a motorized hunting cart device. The device is comprised of a body with an interior space, at least one handle with at least one trigger, and at least one wheel. The device is designed to allow a hunter to easily transport a game animal that has been killed to eliminate the need for a hunter to manually drag the game animal, use an unpowered wheelbarrow or other device, or use a larger vehicle to do so.

[0008] The body may be any shape and size to accommodate any game animal known in the art such as, but not limited to, deer, elk, moose, etc. The game animal can be stored in the interior space during use. To allow the interior space to be easily cleaned after being used to transport a dead game animal, the interior space may be comprised of at least one drainage opening that allows blood, debris, etc., to drain from the interior space while the interior space is washed after a hunt. The drain opening can be plugged with at least one removable drain plug when not in use.

[0009] The device is comprised of at least one, but preferably two wheels attached to at least one axle. The wheels can be propelled forward and backward via at least one motor which spins the axle. The motor is preferably an electric motor powered by at least one battery. The electric motor allows the device to remain quiet such as to not scare away any game animals during use.

[0010] The body is comprised of at least one handle to allow a user to push/pull and otherwise maneuver the body during use. The handle is also comprised of a first trigger that allows a user to

activate the motor to rotate the axle and propel the wheels forward. In another embodiment, a second trigger on the handle allows a user to activate the motor to rotate the axle and propel the wheels backward. In addition, each wheel may be comprised of at least one brake that allows a user to stop the rotation of the wheels via pressing at least one brake lever on the handle.
[0011] The device may also be comprised of a tow hitch. The hitch allows the device to be towed behind a vehicle when not in use. In addition, the device may be comprised of at least one support leg that allows the device to stand when not in use. The leg may be any shape and size known in the art.
[0012] The present invention is also comprised of a method of using the device. First, a device is provided comprised of a body comprised of at least one wheel, at least one motor, and at least one trigger on at least one handle. Then, a user can load a dead game animal into an interior space of the body. Next, a user can pull the trigger to cause the motor to turn the wheel forward to propel the device forward to transport the dead game animal.
[0013] A similar method of using the device involves providing a device comprised of a body comprised of at least one wheel, at least one motor, and at least one trigger on at least one handle. Then, a user can load a dead game animal into an interior space of the body. Next, a user can pull the trigger to cause the motor to turn the wheel backward to propel the device forward to transport the dead game animal.
[0014] Another method of using the device is comprised of providing a device comprised of a body comprised of at least one wheel, at least one motor, and a first trigger and a second trigger positioned on at least one handle. Then, a user can load a dead game animal into an interior space of the body. Next, a user can pull a trigger to cause the motor to turn the wheel forward or backward to propel the device forward to transport the dead game animal. Then, a user can pull a brake lever to brake the device while moving forward or backward.
[0015] Accordingly, the motorized hunting cart device of the present invention is particularly advantageous as it provides a device for transporting a dead game animal. During use, the device can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user. In addition, the electric motor ensures the device is quiet when in use. In this manner, the motorized hunting cart device provides a novel solution for hunters looking to transport a dead game animal while hunting.
[0016] To the accomplishment of the foregoing and related ends, certain illustrative aspects of the disclosed innovation are described herein in connection with the following description and the annexed drawings. These aspects are indicative, however, of but a few of the various ways in which the principles disclosed herein can be employed and are intended to include all such aspects and their equivalents. Other advantages and novel features will become apparent from the following detailed description when considered in conjunction with the drawings.

Description

BRIEF DESCRIPTION OF THE DRAWINGS
[0017] The description refers to provided drawings in which similar reference characters refer to similar parts throughout the different views, and in which:
[0018] FIG. **1** illustrates a perspective view of one potential embodiment of a motorized hunting cart device of the present invention in accordance with the disclosed architecture;
[0019] FIG. **2** illustrates a flowchart of a method of using one potential embodiment of a motorized hunting cart device of the present invention in accordance with the disclosed architecture;
[0020] FIG. **3** illustrates a flowchart of a method of using one potential embodiment of a motorized hunting cart device of the present invention in accordance with the disclosed architecture;
[0021] FIG. **4** illustrates a flowchart of a method of using one potential embodiment of a motorized

hunting cart device of the present invention in accordance with the disclosed architecture; and
[0022] FIG. **5** illustrates a perspective view of a base of one potential embodiment of a motorized hunting cart device of the present invention in accordance with the disclosed architecture.

DETAILED DESCRIPTION

[0023] The innovation is now described with reference to the drawings, wherein like reference numerals are used to refer to like elements throughout. In the following description, for purposes of explanation, numerous specific details are set forth to provide a thorough understanding thereof. It may be evident, however, that the innovation can be practiced without these specific details. In other instances, well-known structures and devices are shown in block diagram form to facilitate a description thereof. Various embodiments are discussed hereinafter. It should be noted that the figures are described only to facilitate the description of the embodiments. They are not intended as an exhaustive description of the invention and do not limit the scope of the invention. Additionally, an illustrated embodiment need not have all the aspects or advantages shown. Thus, in other embodiments, any of the features described herein from different embodiments may be combined.
[0024] As noted above, there exists a long-felt need in the art for a device for transporting a dead game animal. There also exists a long-felt need in the art for a motorized hunting cart device that can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user. In addition, there exists a long-felt need in the art for a motorized hunting cart device that can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user and wherein the device is quiet when in use.
[0025] The present invention, in one exemplary embodiment, is comprised of a motorized hunting cart device. The device is comprised of a body with an interior space, at least one handle with at least one trigger, and at least one wheel. The device is designed to allow a hunter to easily transport a game animal that has been killed to eliminate the need for a hunter to manually drag the game animal, use an unpowered wheelbarrow or other device, or use a larger vehicle to do so.
[0026] The body may be any shape and size to accommodate any game animal known in the art such as, but not limited to, deer, elk, moose, etc., wherein the game animal can be stored in the interior space during use. To allow the interior space to be easily cleaned after being used to transport a dead game animal, the interior space may be comprised of at least one drainage opening that allows blood, debris, etc., to drain from the interior space while the interior space is washed after a hunt. The drain opening can be plugged with at least one removable drain plug when not in use.
[0027] The device is comprised of at least one, but preferably two wheels. The wheels are attached to at least one axle. The wheels can be propelled forward and backward via at least one motor which spins the axle. The motor is preferably an electric motor powered by at least one battery. The electric motor allows the device to remain quiet such as to not scare away any game animals during use.
[0028] The body is comprised of at least one handle to allow a user to push/pull and otherwise maneuver the body during use. The handle is also comprised of a first trigger that allows a user to activate the motor to rotate the axle and propel the wheels forward. In another embodiment, a second trigger on the handle allows a user to activate the motor to rotate the axle and propel the wheels backward. In addition, each wheel may be comprised of at least one brake that allows a user to stop the rotation of the wheels via pressing at least one brake lever on the handle.
[0029] The device may also be comprised of a tow hitch. The hitch allows the device to be towed behind a vehicle when not in use. In addition, the device may be comprised of at least one support leg that allows the device to stand when not in use. The leg may be any shape and size known in the art.
[0030] The present invention is also comprised of a method of using the device. First, a device is provided comprised of a body comprised of at least one wheel, at least one motor, and at least one trigger on at least one handle. Then, a user can load a dead game animal into an interior space of

the body. Next, a user can pull the trigger to cause the motor to turn the wheel forward to propel the device forward to transport the dead game animal.
[0031] A similar method of using the device involves providing a device comprised of a body comprised of at least one wheel, at least one motor, and at least one trigger on at least one handle. Then, a user can load a dead game animal into an interior space of the body. Next, a user can pull the trigger to cause the motor to turn the wheel backward to propel the device forward to transport the dead game animal.
[0032] An additional method of using the device is comprised of providing a device comprised of a body comprised of at least one wheel, at least one motor, and a first trigger and a second trigger positioned on at least one handle. Then, a user can load a dead game animal into an interior space of the body. Next, a user can pull a trigger to cause the motor to turn the wheel forward or backward to propel the device forward to transport the dead game animal. Then, a user can pull a brake lever to brake the device while moving forward or backward.
[0033] Accordingly, the motorized hunting cart device of the present invention is particularly advantageous as it provides a device for transporting a dead game animal. During use, the device can be used to transport a dead game animal in a manner that requires little physical effort on the part of the user. In addition, the electric motor ensures the device is quiet when in use. In this manner, the motorized hunting cart device provides a novel solution for hunters looking to transport a dead game animal while hunting.
[0034] Referring initially to the drawings, FIG. **1** illustrates a perspective view of one potential embodiment of a motorized hunting cart device **100** of the present invention in accordance with the disclosed architecture. The device **100** is comprised of a body **110** with an interior space **112**, at least one handle **120** with at least one trigger **130**,**132**, and at least one wheel **142**. The device **100** is designed to allow a hunter to easily transport a game animal that has been killed. This eliminates the need for a hunter to manually drag the game animal, use an unpowered wheelbarrow or other device, or use a larger vehicle to do so.
[0035] The body **110** is preferably comprised of a rigid plastic or a lightweight metal material. The body **110** may be any shape and size to accommodate any game animal known in the art such as, but not limited to, deer, elk, moose, etc. The game animal can be stored in the interior space **112** during use. The body **110** may resemble a deer cart, a wheelbarrow, a dolly, etc. or any other material or animal transporting structure.
[0036] To allow the interior space **112** to be easily cleaned after being used to transport a dead game animal, the interior space **112** may be comprised of at least one drainage opening **116**. The opening **116** allows blood, debris, etc., to drain from the interior space **112** while the interior space **112** is washed after a hunt. The drain opening **116** can be plugged with at least one removable drain plug **114** when not in use.
[0037] The body **110** is comprised of at least one handle **120** to allow a user to push/pull and otherwise maneuver the body **110** during use. In one embodiment, the handle is comprised of at least one grip area **122**. The grip area **122** is preferably made from a non-slip material such as, but not limited to, rubber to improve grip on the handle **120**. The grip area **122** may also be textured with a raised or recessed texture to improve grip.
[0038] The device **100** is comprised of at least one, but preferably two wheels **142** attached to at least one axle **140**. The wheels **142** can be propelled forward and backward via at least one motor **144** which spins the axle **140**. The motor **144** is preferably an electric motor powered by at least one battery **146**. The battery **146** is preferably a removable, rechargeable battery. In one embodiment, the battery **146** can be recharged via at least one charging port **148** of any type known in the art. The electric motor **144** allows the device **100** to remain quiet such as to not scare away any game animals during use. However, the motor **144** may be a gasoline motor in another embodiment.
[0039] The wheels **142** may be any type and style of wheels such as, but not limited to, inflatable

wheels, run-flat wheels, etc. In one embodiment, the wheels **142** are textured with at least one raised stud **143** to help the wheels **142** traverse obstacles in the path of the device **100** such as, but not limited to, fallen trees and logs.

[0040] The handle **120** is also comprised of a first trigger **130**. The trigger **130** allows a user to activate the motor **144** to rotate the axle **140** and propel the wheels **142** forward. In another embodiment, a second trigger **132** on the handle **120** allows a user to activate the motor **144** to rotate the axle **140** and propel the wheels **142** backward. In addition, each wheel **142** may be comprised of at least one brake **147**. The brake **147** may be any style of brake known in the art. The brake **147** allows a user to stop the rotation of the wheels **142** via pressing at least one brake lever **134** on the handle **120**. In one embodiment, the device **100** has two parallel handles **120** that protrude from the body **110** similar to wheelbarrow handles.

[0041] The device **100** may also be comprised of a tow hitch **150**. The hitch **150** allows the device **100** to be towed behind a vehicle when not in use. The hitch **150** is preferably a ball hitch, but may be any hitch type known in the art.

[0042] In addition, the device **100** may be comprised of at least one support leg **160**. The leg **160** allows the device **100** to stand when not in use. The leg **160** may be any shape and size known in the art.

[0043] In one embodiment, the device **100** is comprised of a base **500**, wherein the base **500** is comprised of at least one at least one, but preferably two wheels **142** attached to at least one axle **140**, as seen in FIG. **5**. The wheels **142** can be propelled forward and backward via at least one motor **144** which spins the axle **140**. The wheels **142** preferably have an independent suspension **520** with at least one shock absorber **530**. The motor **144** is preferably an electric motor powered by at least one battery **146**. The battery **146** is preferably a removable, rechargeable battery. In one embodiment, the battery **146** can be recharged via at least one charging port **148** of any type known in the art. The electric motor **144** allows the device **100** to remain quiet such as to not scare away any game animals during use. However, the motor **144** may be a gasoline motor in another embodiment.

[0044] The wheels **142** may be any type and style of wheels such as, but not limited to, inflatable wheels, run-flat wheels, etc. In one embodiment, the wheels **142** are textured with at least one raised stud **143** to help the wheels **142** traverse obstacles in the path of the device **100** such as, but not limited to, fallen trees and logs.

[0045] In this embodiment, the base **500** is comprised of at least one mounting surface **510** that receives the body **110**. More specifically, the body **110** attaches to the surface **510** via at least one fastener **512** such as but not limited to a clip, a clamp, a snap fastener, a bolt, a locking member, etc. In this manner, a user can interchange the body **110** style with the base **500** for the desired application.

[0046] The present invention is also comprised of a method of using **200** the device **100**, as seen in FIG. **2**. First, a device **100** is provided comprised of a body **110** comprised of at least one wheel **142**, at least one motor **144**, and at least one trigger **130** on at least one handle **120** [Step **202**]. Then, a user can load a dead game animal into an interior space **112** of the body **110** [Step **204**]. Next, a user can pull the trigger **130** to cause the motor **144** to turn the wheel **142** forward to propel the device **100** forward to transport the dead game animal [Step **206**].

[0047] The present invention is also comprised of a method of using **300** the device **100**, as seen in FIG. **3**. First, a device **100** is provided comprised of a body **110** comprised of at least one wheel **142**, at least one motor **144**, and at least one trigger **130** on at least one handle **120** [Step **302**]. Then, a user can load a dead game animal into an interior space **112** of the body **110** [Step **304**]. Next, a user can pull the trigger **130** to cause the motor **144** to turn the wheel **142** backward to propel the device **100** forward to transport the dead game animal [Step **306**].

[0048] The present invention is also comprised of a method of using **400** the device **100**, as seen in FIG. **4**. First, a device **100** is provided comprised of a body **110** comprised of at least one wheel

142, at least one motor **144**, and a first trigger **130** and a second trigger **132** positioned on at least one handle **120** [Step **402**]. Then, a user can attached the body **110** to a base **500** of the device **100** via at least one fastener **152** and then load a dead game animal into an interior space **112** of the body **110** [Step **404**]. Next, a user can pull a trigger **130** and a second trigger **132** to cause the motor **144** to turn the wheel **142** forward or backward to propel the device **100** forward to transport the dead game animal [Step **406**]. Then, a user can pull a brake lever **134** to brake the device **100** while moving forward or backward [Step **408**].

[0049] Certain terms are used throughout the following description and claims to refer to particular features or components. As one skilled in the art will appreciate, different persons, may refer to the same feature or component by different names. This document does not intend to distinguish between components or features that differ in name but not structure or function. As used herein "motorized hunting cart device" and "device" are interchangeable and refer to the motorized hunting cart device **100** of the present invention.

[0050] Notwithstanding the foregoing, the motorized hunting cart device **100** of the present invention and its various components can be of any suitable size and configuration as is known in the art without affecting the overall concept of the invention, provided that they accomplish the above-stated objectives. One of ordinary skill in the art will appreciate that the size, configuration, and material of the motorized hunting cart device **100** as shown in the FIGS. are for illustrative purposes only, and that many other sizes and shapes of the motorized hunting cart device **100** are well within the scope of the present disclosure. Although the dimensions of the motorized hunting cart device **100** are important design parameters for user convenience, the motorized hunting cart device **100** may be of any size, shape, and/or configuration that ensures optimal performance during use and/or that suits the user's needs and/or preferences.

[0051] Various modifications and additions can be made to the exemplary embodiments discussed without departing from the scope of the present invention. While the embodiments described above refer to particular features, the scope of this invention also includes embodiments having different combinations of features and embodiments that do not include all the described features. Accordingly, the scope of the present invention is intended to embrace all such alternatives, modifications, and variations as fall within the scope of the claims, together with all equivalents thereof.

[0052] What has been described above includes examples of the claimed subject matter. It is, of course, not possible to describe every conceivable combination of components or methodologies for purposes of describing the claimed subject matter, but one of ordinary skill in the art may recognize that many further combinations and permutations of the claimed subject matter are possible. Accordingly, the claimed subject matter is intended to embrace all such alterations, modifications, and variations that fall within the spirit and scope of the appended claims. Furthermore, to the extent that the term "includes" is used in either the detailed description or the claims, such term is intended to be inclusive in a manner similar to the term "comprising" as "comprising" is interpreted when employed as a transitional word in a claim.

Claims

1. A motorized hunting cart device comprising: a body comprised of an interior space; a handle a trigger positioned on the handle; an axle having a wheel; and a motor.

2. The motorized hunting cart device of claim 1, wherein the wheel is comprised of a stud.

3. The motorized hunting cart device of claim 1, wherein the trigger activates the motor to rotate the axle.

4. The motorized hunting cart device of claim 3, wherein the motor rotates the axle forward.

5. The motorized hunting cart device of claim 3, wherein the motor rotates the axle backward.

6. The motorized hunting cart device of claim 1, wherein the handle is comprised of a grip area.

7. The motorized hunting cart device of claim 6, wherein the grip area is comprised of a non-slip rubber material.
8. The motorized hunting cart device of claim 6, wherein the grip area is comprised of a raised or a recessed texture.
9. A motorized hunting cart device comprising: a body comprised of an interior space, an opening, and a drain plug; a first handle comprised of a first trigger and a brake lever; an axle comprised of a wheel, wherein the wheel is comprised of a brake; a motor; and a battery.
10. The motorized hunting cart device of claim 9, wherein the motor is comprised of an electric motor.
11. The motorized hunting cart device of claim 9, wherein the battery is comprised of a removable battery.
12. The motorized hunting cart device of claim 11, wherein the battery is comprised of a charging port.
13. The motorized hunting cart device of claim 9, wherein the first trigger activates the motor.
14. The motorized hunting cart device of claim 9, wherein the motor rotates the axle.
15. The motorized hunting cart device of claim 9 further comprised of a second handle.
16. The motorized hunting cart device of claim 15, wherein the first handle is parallel to the second handle.
17. The motorized hunting cart device of claim 15, wherein the second handle is comprised of a second trigger.
18. A method of using a motorized hunting cart device, the method comprising the following steps: providing a motorized hunting cart device comprised of a body comprised of a wheel, a motor, and a trigger positioned on a handle; loading a dead game animal into an interior space of the body; and pulling the trigger to propel the motorized hunting cart device.
19. The method of claim 18, wherein pulling the trigger propels the motorized hunting cart device forward.
20. The method of claim 18, wherein pulling the trigger propels the motorized hunting cart device backward.