

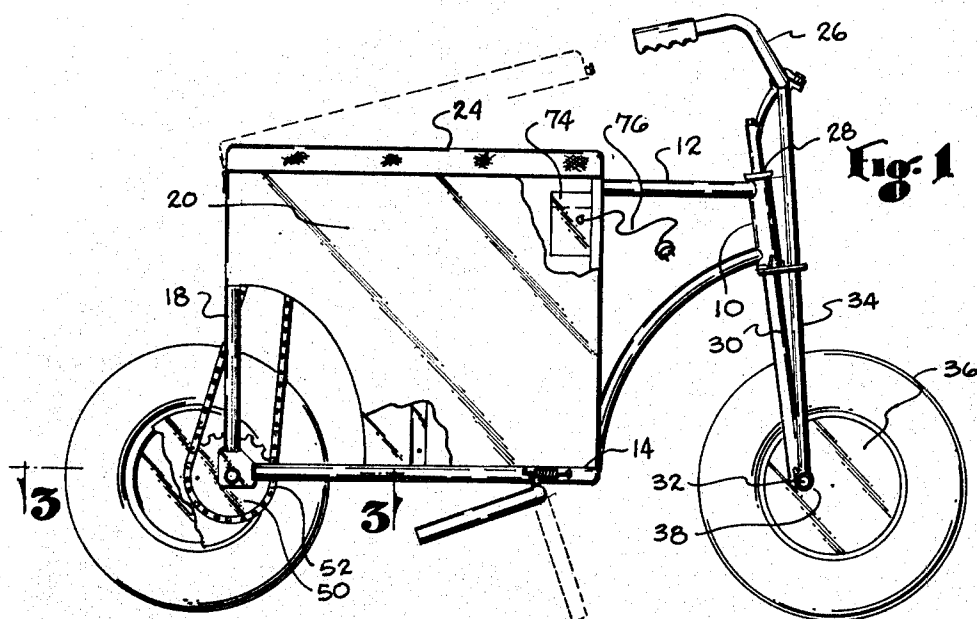
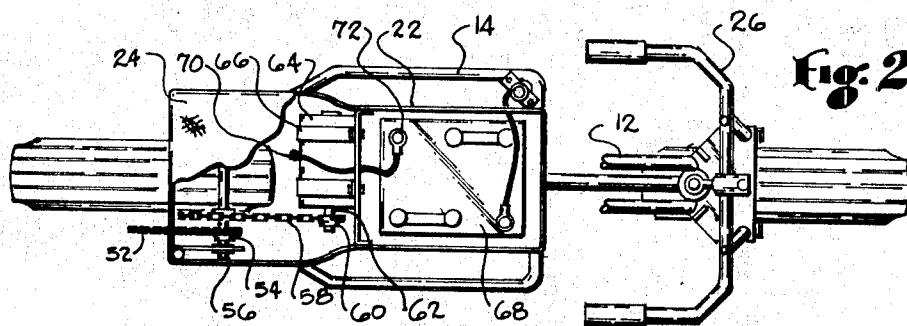
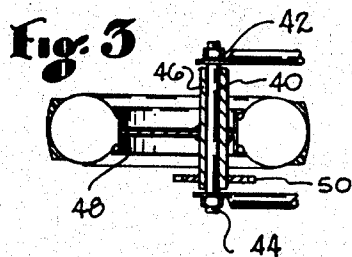
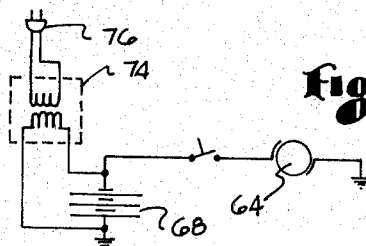
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BUCKING CYCLE

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3,372,768

BUCKING CYCLE

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ABSTRACT OF THE DISCLOSURE

Motor-driven cycle with eccentric wheels and particularly a type that is compact in arrangement but still simulates the bucking antics of a broncho so close to the ground as to be safe.

The main object of the invention is to provide an electrically driven compact cycle that bucks in an unexpected and uncertain manner at a ground level whereby adventure and enjoyment is coupled with physical security.

Many types of cycles have been known and used to provide great physical pleasure but the present device is intended to include a sense of adventure with slight danger. The device itself is so constructed as to protect the rider because of its compact arrangement but still offers a distinct challenge to the rider's skill. It is the complete unexpectedness of operation along with close to the ground safety that provides a thrilling and unusual ride. The housing of the electrically driven elements to avoid injury in case of a spill is an important feature of the invention.

Another object of the invention lies in the compact manner of housing the electrically driven elements to obviate injury in case of a spill.

Yet another object of the invention is in the provision of a close to the ground cycle that bucks in a completely unexpected and uncertain manner to increase the rider's enjoyment with a certain degree of adventure.

The device may of course be used for various purposes either singly or in teams simulating various sports but always with an erratic behavior that is enjoyable and physically enervating.

These and other objects and advantages of the present invention will become apparent to those skilled in the art upon consideration of the following detailed description of the preferred embodiment thereof, reference being made to the accompanying drawings, herewith, wherein:

FIGURE 1 is a side elevational view partially broken away of a preferred embodiment of the invention;

FIGURE 2 is a plan view from above also partially broken away;

FIGURE 3 is a view taken on the line 3—3 of FIGURE 1; and

FIGURE 4 is a diagrammatic view of the electrical system.

Referring to the drawings it will be noted that the cycle in general appearance is much like the conventional device except for the manner of drive and housing of the driving elements. For safety purpose, the cycle is electrically driven. The frame 10 of the cycle is connected

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above by dual bars 12 to a box like seating and housing portion including a lower platform 14, upwardly extending dual rods 16 and 18 and substantially rectangular top support 20. The lower tubular platform 14 provides a foot rest and the inner housing is enclosed by metal sheathing 22. A comfortable seat and releasable cover is shown at 24.

The handle bars 26 have conventional pivotal mounting 28 in the frame 10 and the standard dual forks 30 engage a hub and axles 32. An extra set of forks 34 connecting the hub 32 and handle bars 26 transmits the shock of movement from a standard cycle wheel 36 directly to the rider. The wheel hub 32 is offset at 38 as clearly shown in FIGURE 1.

A rear wheel axle 40 is secured at 42 and 44 to the rear lower edge of the compact cycle frame. The axle 42 rides in a sleeve 46 forming a hub that is also eccentrically mounted in the conventional wheel 48. The driving mechanism comprises a sprocket 50 welded to the sleeve 46, a chain 52 connected to a second sprocket 54 mounted on a stub shaft 56 and a second chain 58 connected to a gear 60 on the drive shaft 62 of an electric motor 64 secured at 66 to a part of the frame. The driving arrangement may be changed as to gearing but it is essential that the conventional battery 68 is connected to the motor at 70 and the battery attached at 72 to a recharging transformer 74. An electrical outlet is shown at 76.

The operation of the device is obvious except for the erratic wheel mountings. There is no possible way of anticipating the near the ground broncho-like antics of the cycle. It is never the same and the rider must have a high degree of skill to avoid spill. The cycle is so constructed as to almost entirely avoid injury in case the rider is thrown.

While I have described in considerable detail what I believe to be the preferred form of my invention, it will be understood by those skilled in the art that various changes may be made in the shape and arrangement of the several parts without departing from the broad scope of my invention as defined in the following claim.

I claim:

1. A close to the ground electrically driven bucking cycle, comprising:

a handle barred frame including; horizontal top bars; and

a lower platform forming a foot rest;

an eccentric wheel hub mounting for the front wheel;

an eccentric mounting for the rear wheel;

an electrically driven mechanism secured to the frame for driving the rear wheel; and

a cover over said mechanism forming a seat on the platform between the upper bars and foot rest.

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