

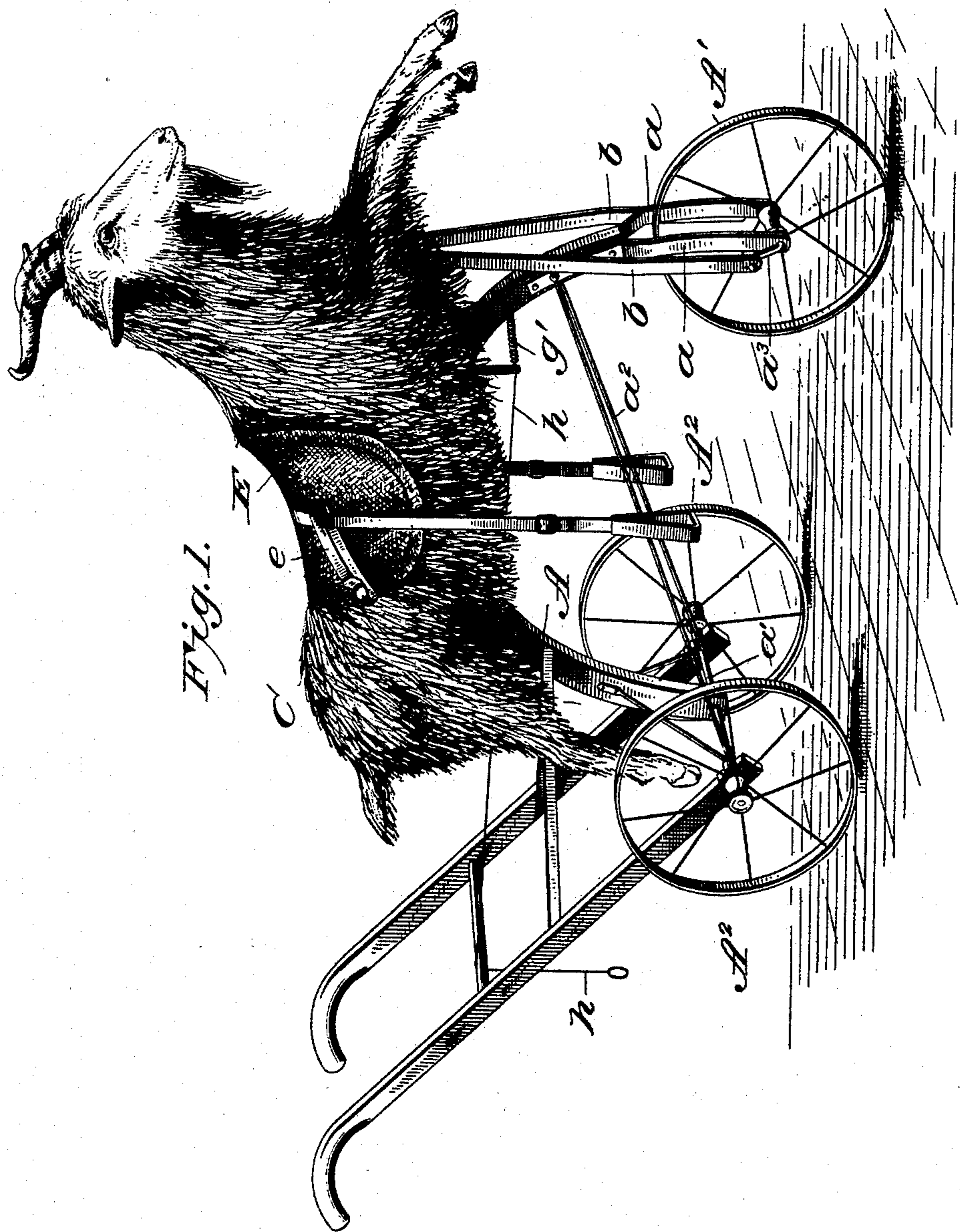
(No Model.)

2 Sheets—Sheet 1.

P. J. HINDMARSH.
WHEELED TOY.

No. 522,900.


Patented July 10, 1894.



WITNESSES

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by  Attorney

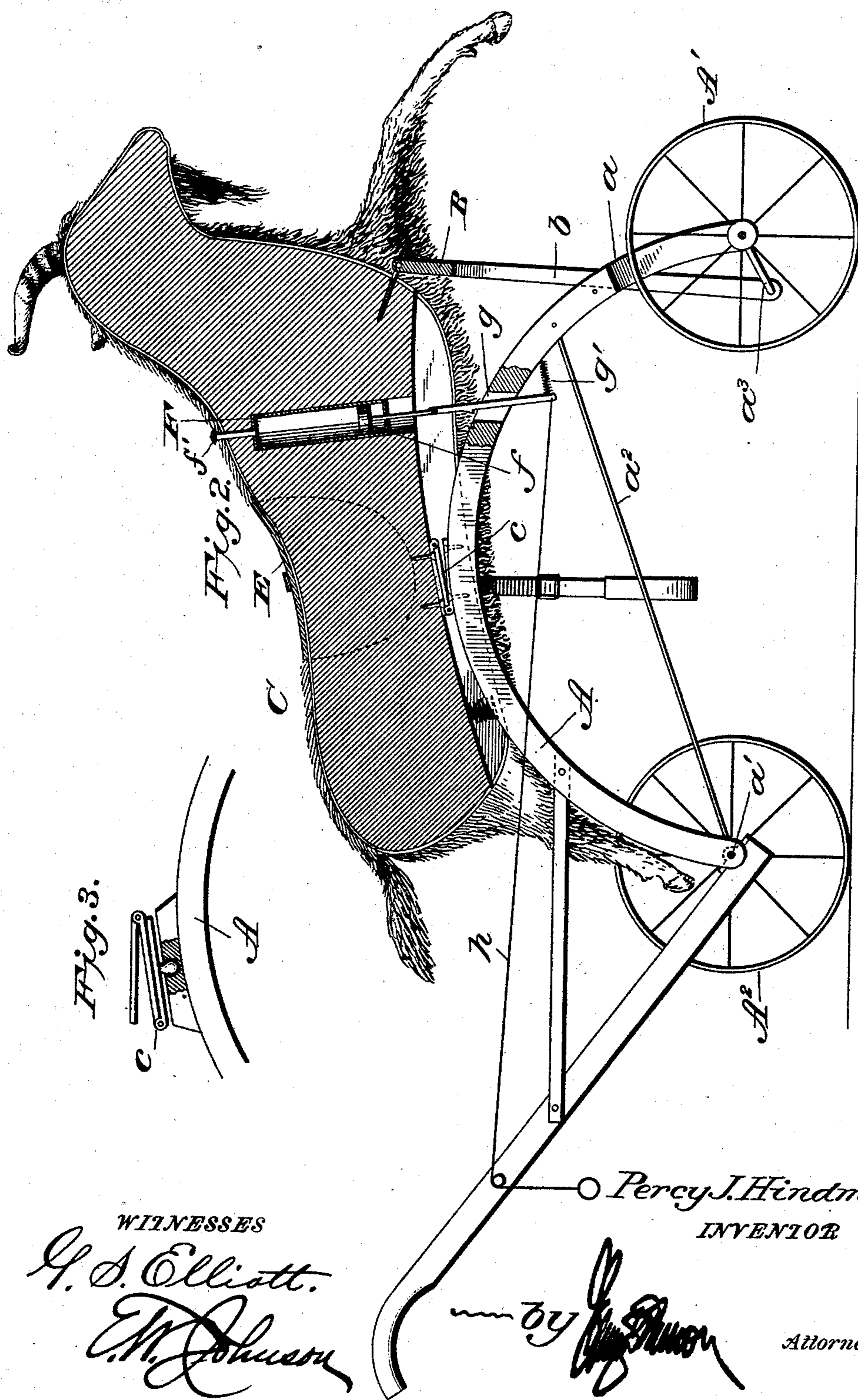
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UNITED STATES PATENT OFFICE.

PERCY J. HINDMARSH, OF MARYSVILLE, KANSAS.

WHEELED TOY.

SPECIFICATION forming part of Letters Patent No. 522,900, dated July 10, 1894.

Application filed March 17, 1894. Serial No. 504,020. (No model.)

To all whom it may concern:

Be it known that I, PERCY J. HINDMARSH, a citizen of the United States of America, residing at Marysville, in the county of Marshall and State of Kansas, have invented certain new and useful Improvements in Wheeled Toys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

15 The object of this invention is to provide means for supporting a figure upon which a person can sit, the figure being mounted upon a supporting-frame so as to be actuated by the front wheel of said frame, the rear part 20 of the frame having a handle or handles for turning the device.

The invention consists in mounting a figure upon a frame so that it may have an oscillating movement thereon, said figure being connected to a crank-shaft which carries the front wheel and the body of the same having a cylinder and piston so as to cause a sound upon the movement of the piston in imitation of the sound which emanates from the animal of which the figure is a representation, the device being primarily intended to be as a toy in initiating persons into organizations or giving side degrees to persons who are already members of the organization, and with this end in view the device is constructed to have a comical appearance.

In carrying out my invention I prefer to use the figure of a goat which is mounted upon an arched frame by a hinge having three leaves so as to give a "bucking" motion to the figure, the front portion of the figure being connected to the crank-axle of the front wheel by means of a bifurcated spring bar so that as the device is rolled motion will be imparted to the figure by the rotation of the wheel, or the motion of the figure may be used to turn the front wheel and propel the device. The rear wheel is connected to a handle or handles and the body of the figure contains 50 a cylinder or receptacle having a piston so that the contents of the cylinder can be ejected to make a sound as a bray or bleat. The fig-

ure is also provided with a saddle with stirrups and straps for encircling the thighs of the rider to hold him more securely upon the figure. 55

In the accompanying drawings, Figure 1 is a perspective view showing a device constructed in accordance with my invention. Fig. 2 is a side elevation, partly in section, and 60 Fig. 3 is a detail view of a modification of the connecting hinge.

A designates an arched frame which is bifurcated at its front end or otherwise constructed to provide members *a a* between which the front wheel *A'* is journaled and to the rear end is secured an axle *a'* upon the ends of which supporting-wheels *A²* are journaled. Brace-rods *a²* extend from the rear axle to the frame as shown. The ends of the front axle are formed into cranks *a³* to which are connected the members *b b* of a bifurcated bar B, said bar being connected to the figure C as hereinafter described. The members of the bar B straddle the front wheel and 75 frame A.

C designates the figure which is preferably that of a goat, though it is obvious that the figure of any other animal might be substituted the sounding alarm being modified accordingly. The figure is cut away on its under side in substantially the same segment of a circle as the upper part of the arched-frame A, and is connected to the central part of the frame by a three-leaf hinge *c*, one of the end-plates being attached to the figure while the other is attached to the frame. This form of connection I prefer as when the figure is rocked it will give a "bucking" motion to the same. The rear part of the figure, immediately above the arched-frame, is provided with a helical-spring or buffer which may be inclosed in a suitable casing, the said buffer being adapted to contact with the arched supporting-frame in rear of the hinge or connection. 95

The figure is preferably covered with the hide of a goat and has attached thereto a saddle E, preferably of enameled cloth, and over the back of the figure passes a strap to which the stirrups are connected, the saddle also having straps *e* for encircling the thighs of the person who rides the goat to hold him securely seated. To the rear axle and arched frame 100

are connected suitable handles either for pushing the wheeled figure or for turning the same when it is propelled by the rider.

The body of the figure is cut away to receive a cylinder F which has an outlet opening. The cylinder F is provided with a piston *f* and rod of such a length that it will pass through a slot *g* in the arched frame and will be held against one side of the slot by a spring *g'*. The parts are fitted so that when the figure is rocked there will be no movement of the piston rod until the same is drawn upon so that a notch formed in the same will engage with the other side of the slot *g*. The piston-rod is operated against the action of the spring *g'* by means of a cord or flexible connection *h*, and when the notch is in engagement with the frame the downward movement of the figure will push the piston so as to discharge the air in the cylinder through the discharge opening, and the discharge opening is provided with a reed or whistle *f'* for giving out a sound in imitation of the braying of a goat.

If it is desired to provide a figure upon which it is difficult for the rider to maintain his equilibrium one of the leaves of the hinge or connection *c* may be provided with a ball and the part to which it is connected have a socket so that there will be a limited movement in the opposite direction from that given by the hinge. In view of the figure being connected to the arched frame so as to be capable of movement in several directions the connecting-bar B is made of spring metal so that it will give with the movement of the figure, and this bar is attached to the figure by means of a screw-eye as shown.

Having thus described my invention, I claim—

1. In a wheeled toy a central arched frame supported by the wheels, a figure mounted centrally upon said arched frame, a bifurcated spring bar connected to the crank axle of the front wheel of the frame and to the forward part of the figure, the figure carrying a cylinder with sounding mechanism and a piston rod which engages with the frame, substantially as shown and for the purpose set forth.

2. In a wheeled toy, a supporting frame consisting of an arched bar A, bifurcated at its

forward end and provided with an opening *g* supporting wheels A' and A², the front supporting wheel having a crank axle, a figure mounted on the arched frame and connected thereto by a hinge made up of three plates the end plates being attached to the figure and to the arched frame, a bifurcated bar connected to the crank axle and to the figure, together with a spring buffer attached to the figure on the opposite side of the hinge from the point of connection of the bifurcated bar, and a cylinder with sounding means the piston-rod of which passes through the opening *g* in the supporting frame and is adapted to be thrown in engagement therewith, substantially as shown and for the purpose set forth.

3. In a toy, a figure mounted on a wheeled frame said figure being provided with a saddle, a cylinder located in the body portion of the figure, an eduction tube connected with the cylinder and extending through the figure, a piston operating in the cylinder the piston-rod of the piston being adapted to be placed in engagement with the supporting frame so that the piston is actuated by the movement of the figure to cause a sound, substantially as described.

4. In a wheeled toy a figure mounted on a frame and provided with a saddle, a cylinder contained within the figure and having an eduction opening leading through the body of the figure and provided with a piston and piston-rod, the piston-rod being adapted to engage with the supporting frame for the figure, substantially as set forth.

5. In a wheeled toy the combination with a figure mounted on a frame, of a cylinder with a piston and piston-rod, the rod passing through the supporting-frame and provided with means for holding the same out of contact with the frame and with means for throwing it in contact with the frame so that the piston will be actuated by the movement of the figure on the frame, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

PERCY J. HINDMARSH.

Witnesses:

SAM. FOSTER,

C. M. STEWART.