

(No Model.)

A. LEVIN.
VELOCIPÈDE.

No. 495,942.

Patented Apr. 18, 1893.

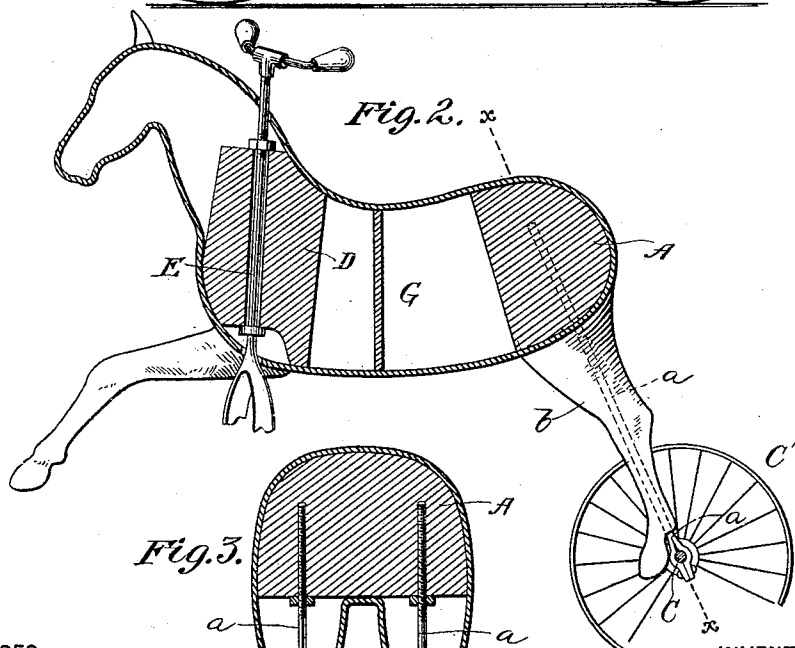
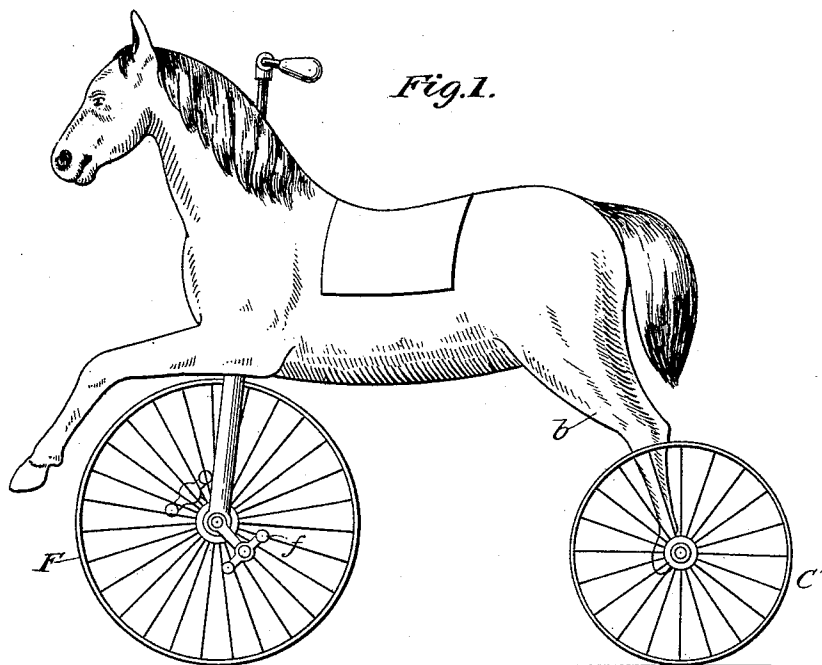
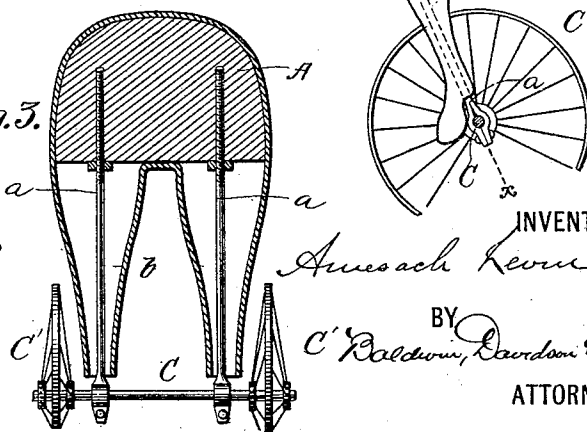


Fig. 3.



WITNESSES:

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AMESACH LEVIN, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO
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VELOCIPEDE.

SPECIFICATION forming part of Letters Patent No. 495,942, dated April 18, 1893.

Application filed October 12, 1892. Serial No. 448,636. (No model.)

To all whom it may concern:

Be it known that I, AMESACH LEVIN, a citizen of the United States, residing at Brooklyn, county of Kings, State of New York, have invented certain new and useful Improvements in Velocipedes, of which the following is a specification.

The object of my invention is to produce a light, cheap and attractive velocipede designed specially for the use of children. To this end the body or frame is made to represent some animal, preferably a horse. In order that it may be made cheaply and very light it is made of paper or papier maché, and is hollow. The figure is so supported that the hind feet rest upon or are close to the axle of the rear wheel or wheels. In the drawings I have shown a tricycle, there being two wheels at the rear. At the front the driving and pilot wheel is provided with the usual pedals and is carried at the end of a substantially vertical fork the shank of which passes up through the body of the horse between the fore legs at the bottom and coming out at the top through the withers or just in front thereof. To afford the necessary strength of support for the fork a block of wood or other material is arranged within the hollow body of the horse and serves to hold the vertical fork. At the rear a block of wood or other material is placed in the hollow body and from it two rods extend, one through each leg, and are connected to the axle of the rear wheel or wheels.

In the accompanying drawings, Figure 1 is a side elevation; Fig. 2 a longitudinal vertical section, and Fig. 3 a transverse section on the line *xx* of Fig. 2.

As stated I have shown in the drawings the representation of a horse, preferably to be made of paper in substantially the following manner. A suitable mold is prepared for the two longitudinal halves of the animal and the form is built up by compressing therein alternate sheets of paper and glue. The two halves are subsequently glued together to complete the hollow body. In the rear end of the hollow body I place a block of wood *A* to which two rods *a a* are secured, either by being screwed thereinto or otherwise. These rods extend through the hollow hind legs *B* and are clamped or otherwise secured to the axle

C, carrying the two rear wheels *C' C'*. I also place a block *D* in the forward part of the body, either in the base of the neck as shown, or between the withers and the breast or fore legs, or otherwise. The vertical fork *E* carries the driving wheel *F* having the ordinary pedals *f* and its shank passes through or is secured to the block *D* in the manner shown or otherwise and extends out of the withers or neck and is provided with the ordinary handle bar. It will be observed that the block *D*, is solid, but has a small vertical perforation or opening in which the shank of the fork *E* fits closely, but within which it is free to turn about its own axis. The fork is, therefore, held in proper position and is prevented from wobbling, and yet may turn freely to guide the vehicle. In order to further strengthen the body I place centrally therein a transverse partition *G*, of wood or other suitable material. The blocks and partition are placed in position before the two halves of the body are glued together and may be glued to the body or otherwise secured. If however they are made to fit the interior of the body closely, special means for holding them in place may not be required, as their shape may be such that they will be locked in position by the body itself. A velocipede of this character is very light, as the entire weight of the body when made of a size suitable for children need not exceed five or six pounds, and the running gear is equally as light. The fore legs of the horse are thrown outward as in running or cantering and there is therefore plenty of room to swing the driving wheel in either direction. Of course the body may be made of sheet iron or of any other material having the necessary strength, but I prefer paper because while being very strong it is extremely light.

I claim as my invention—

1. The combination, substantially as set forth, of the hollow body, the hind wheel and axle, the block *A*, inclosed within the rear part of the body, the rods *a* attached to the hind axle extending through the hind limbs of the body and secured to the block *A*, the front block *D*, within the body, the front wheel and its pedals and the vertical fork carrying the front wheel and having a single shank extending through an opening in the block *D*.

2. The combination of the hollow body having the front and rear blocks D A, the rear wheel or wheels, the rear axle, rods extending through the hind legs of the body, and secured to the block A, the vertical fork having a single shank passing through the front part of the body, and through the block D, and the front wheel having pedals mounted in the fork in rear of the forwardly projecting front legs of the body and free to turn in different directions in rear thereof.

3. The combination of a hollow body having the hollow front and rear limbs, the blocks D and A in the front and rear portions respectively of the body, the hind axle having

a wheel or wheels, the rods *a* extending through the hollow hind legs and secured to the block A, the support G within the hollow body between the front and rear blocks, the vertical fork having a single shank extending through the front part of the body and through the front block, and a wheel having pedals carried by the fork.

In testimony whereof I have hereunto subscribed my name.

AMESACH LEVIN.

Witnesses:

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