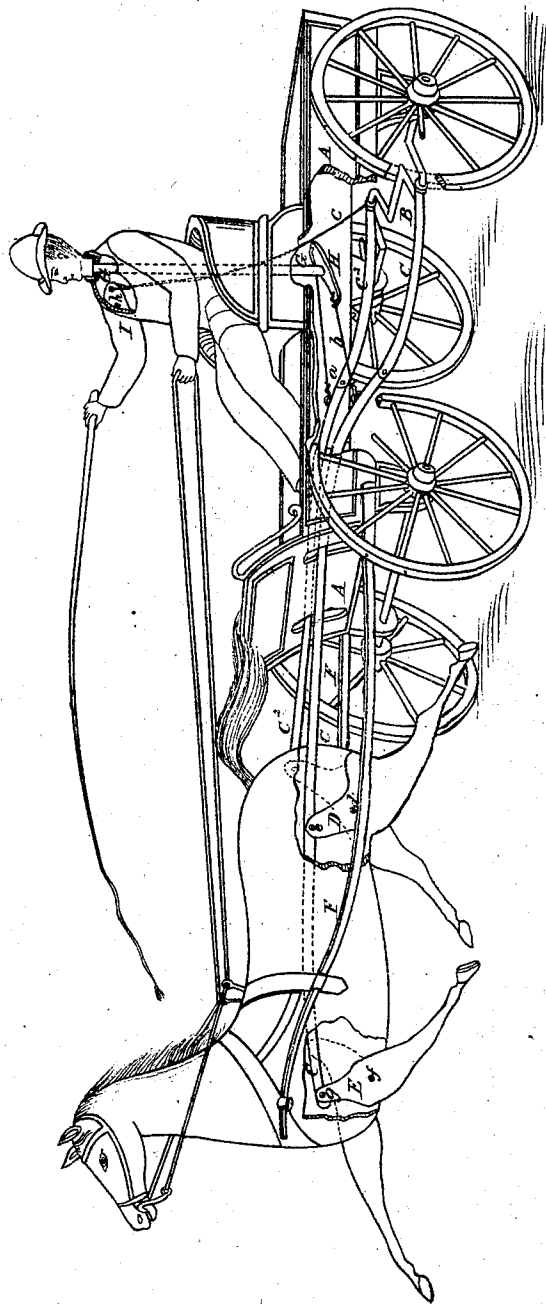


D. Adams.

Toy.

Nº 71940

Patented Dec. 10, 1867.



Witnesses
Samuel D. Adams

J. J. Savage

Inventor
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United States Patent Office.

DERRICK ADAMS, OF LANSINGBURG, NEW YORK.

Letters Patent No. 71,940, dated December 10, 1867.

IMPROVEMENT IN TOYS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DERRICK ADAMS, of Lansingburg, in the county of Rensselaer, and State of New York, have invented certain new and useful Improvements in a Toy-Carriage Horse and Driver; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, which is a perspective view of said toy. The said drawing, and the letters of reference marked thereon, make a part of this specification.

The nature of my said invention consists in the combination and arrangement of certain mechanical devices, for the purpose of operating automatically a toy-carriage horse and driver, in manner substantially as herein-after fully described.

To enable others skilled in the art to make my improved toy-carriage with its horse and driver, I now proceed to fully describe its construction and operation.

The carriage-body, A A, is mounted upon four wheels. The hind wheels are made fast on or to a double cranked axle, B, so as to rotate with or turn the said axle when the toy-carriage is drawn or pushed over the floor or ground. Attached to each, or to its respective crank of the aforesaid axle, are the connecting-rods, C and C', which extend forward of the carriage-body, and to the shafts or thills of which, F F, is attached the figure of a horse, which is suspended or supported on or by said thills, so that its legs, E and D, do not touch the floor. The legs are attached to the body in such a manner by pins *d* and *f*, and the upper ends respectively of said legs being attached to the aforesaid connecting-rods by pins *e* and *g*, in such a manner that when the cranks B rotate or turn to operate the said connecting-rods, a forward and backward movement or motion is communicated thereby to the said legs, thus imitating the walking or running of a horse. The other side of the horse or its legs are operated in the same way, but at alternating times with the side shown in the annexed drawing.

Upon the seat of the aforesaid carriage is arranged and affixed a figure or image of a driver. Passing upward through this figure is a spindle or shaft, G. To its upper or top end is affixed the head of said figure or driver. At the bottom or lower end of said shaft is affixed a cross-bar or cross-head, H. Each end or arm of this cross-bar is attached by means of wires or cords, *a* and *b*, to the aforesaid connecting-rods or bars C and C', in such a manner that a vibrating or rocking motion is given to said cross-head by the alternate movements of the aforesaid connecting-rods, thus causing the aforesaid spindle or shaft, with its attached head or image of a driver, to alternately turn or move from right to left, and *vice versa*, the said spindle or shaft being properly supported and guided by resting upon a shoulder or collars formed within said image. To the right side of the aforesaid figure of the driver is attached an arm, I, holding a whip. This arm is pivoted to the shoulder of the said figure by a pin, *h*; and by means of a cord or wire, *c*, it is connected with the axle B, or one of its cranks, in such a manner, as shown, that the rotation or revolution of said axle and crank causes said arm, with its whip, to alternately rise and fall, thus imitating a driver in the act of whipping or starting up the horse.

Having thus described my invention and improvements, what I claim, and desire to secure by Letters Patent, is—

An automatic toy, having the legs of the horse and the head and arm of the driver actuated by mechanical devices, in manner substantially as herein described, and for the purposes as set forth.

DERRICK ADAMS.

Witnesses:

JAMES H. ADAMS,
J. J. SAYAGE.