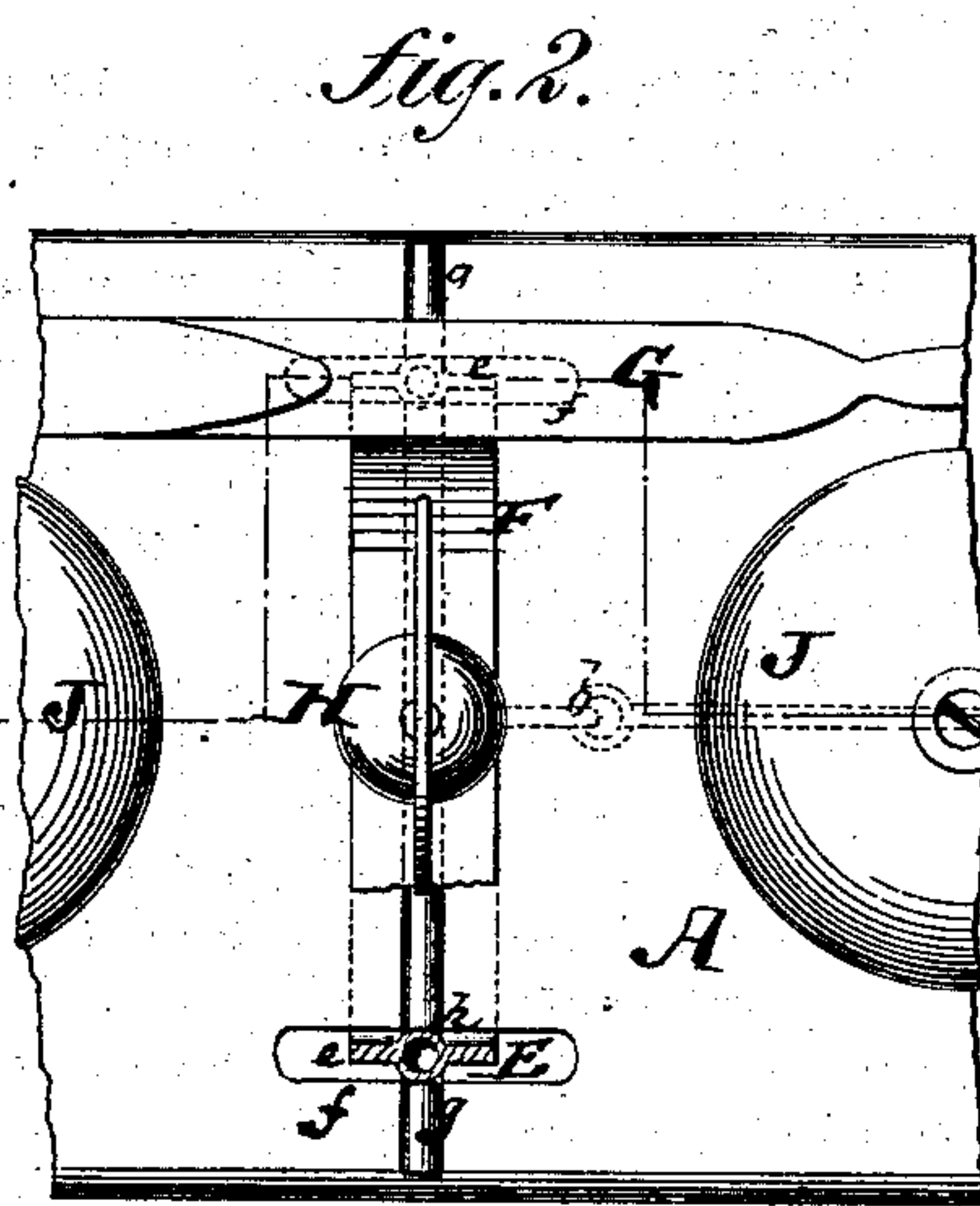
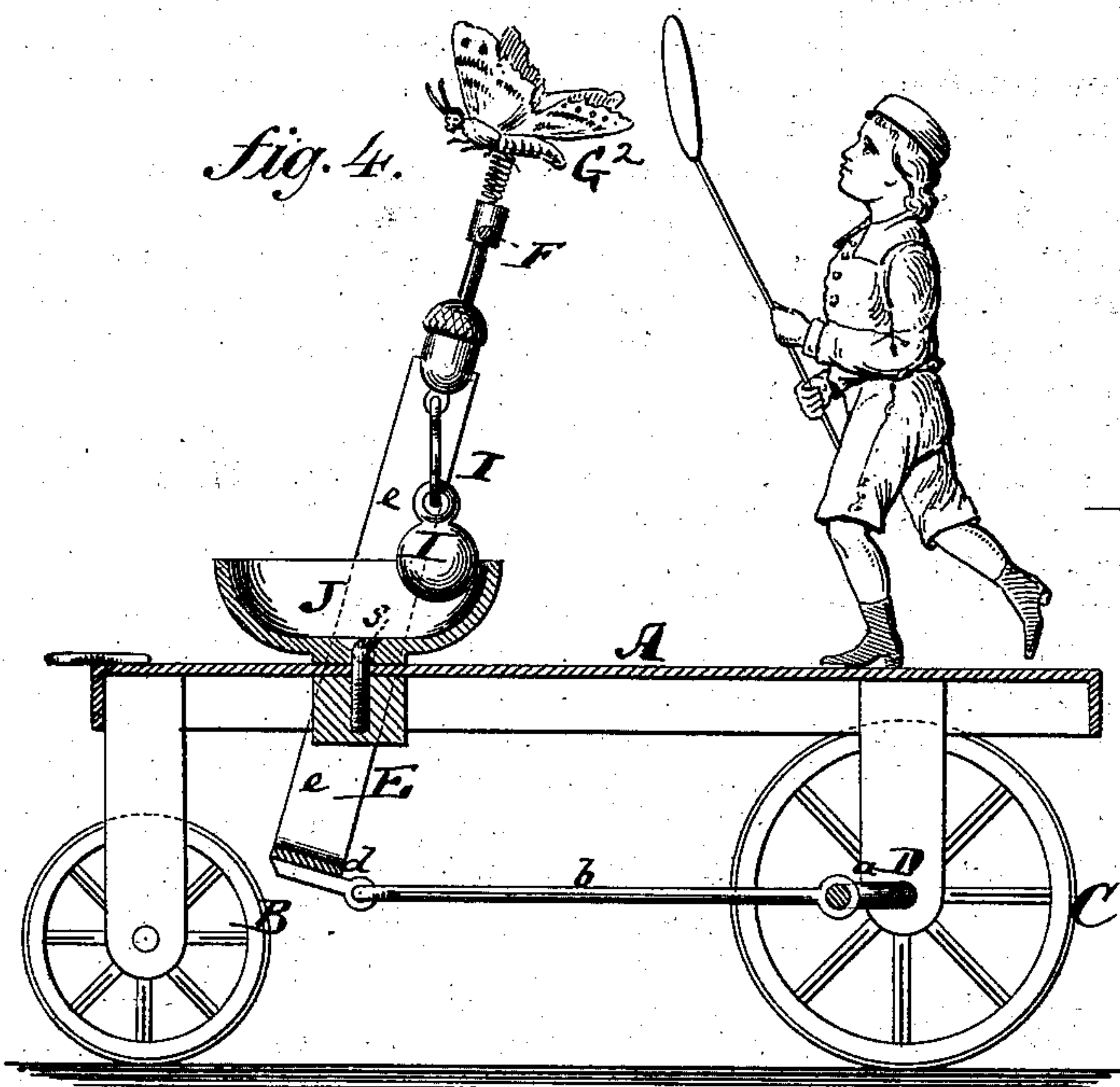
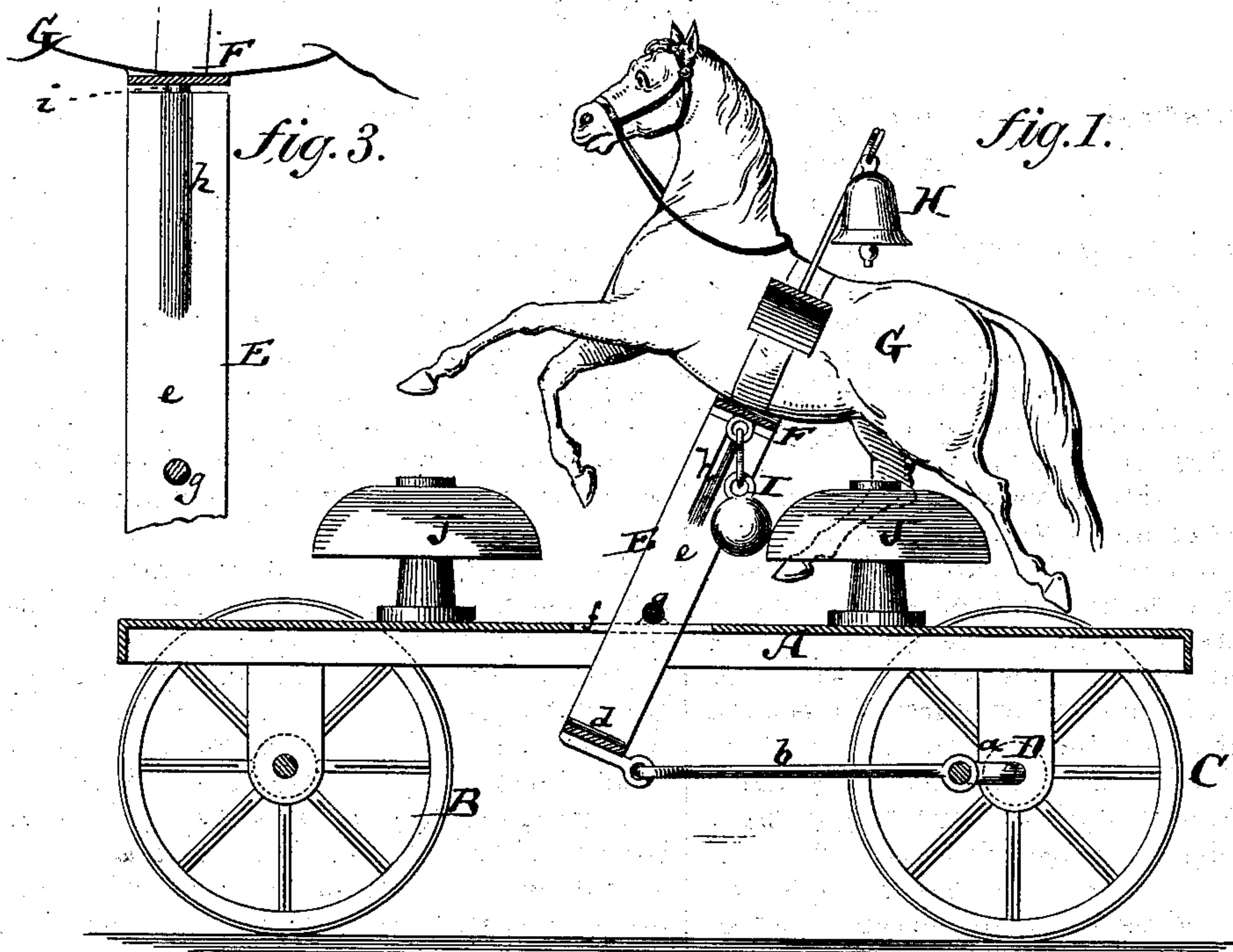


(No Model.)

H. THOMASS.  
MECHANICAL TOY.

No. 281,320.

Patented July 17, 1883.



WITNESSES:

Gustave Dietrich  
John C. Dunbridge.

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# UNITED STATES PATENT OFFICE.

HERMAN THOMASS, OF BROOKLYN, NEW YORK.

## MECHANICAL TOY.

SPECIFICATION forming part of Letters Patent No. 281,320, dated July 17, 1883.

Application filed May 1, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN THOMASS, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Mechanical Toys, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of my mechanical toy. Fig. 2 is a partial top or plan view of the same; Fig. 3, a sectional side view on an enlarged scale, the section being taken through the center of the cross-bar that carries the horse-like ornaments. Fig. 4 is a side view, partly in section, of a modification of the invention.

This invention relates to a toy vehicle which is so arranged as to cause a vibrating clapper to strike a gong or gongs during each of its movements, and which, moreover, is so arranged as to be easily constructed of sheet metal and readily and economically put together.

The invention consists of the new combination of parts and their construction, as hereinafter more fully specified.

In the accompanying drawings, the letter A represents the platform of a toy wagon, which platform is supported by front wheels, B, and rear wheels, C. The axle D of the rear wheels has a crank, *a*, which connects by a pitman, *b*, with the lower cross-bar, *d*, of the vibrating frame E. This vibrating frame E is composed of two upright bars, *e e*, and of the lower cross-bar, *d*, that unites the uprights *e*. The uprights *e* extend through slots *f* in the platform A, and are pivoted by a pin or pins, *g*, to said platform, said pin or pins *g* being secured on top of the platform A transversely and held in suitable sockets.

Whenever the vehicle is moved ahead, the wheels C, revolving, will cause the frame E to vibrate on its pivot or pivots *g*.

In the upper part of the uprights *e* are sockets *h* for the reception of pins *i*, that project from the ends of a cross-bar, F. The sockets *h* may be formed on the uprights *e* in suitable manner, either by attaching them thereto or by forming incisions therein and bending the metal between the incisions or in other suitable manner.

Whenever desired, the cross-bar F can be detached from the frame E by lifting it, with its pins *i*, out of the sockets *h*. The cross-bar F carries suitable ornaments. Thus in Fig. 1 it is shown to support a horse-like figure or

figures, G. In Fig. 4 it is shown to carry a butterfly-like figure, G<sup>2</sup>; but any other suitable ornaments may be placed on said cross-bar and fastened thereon in suitable manner. Said cross-bar may also carry, especially where there are horse-like figures G, a little bell, H, between two horse-like figures; but this little bell is not an essential appendage of the device.

I is a clapper or hammer, suspended from the cross-bar F, and carried with the frame E during the vibrations thereof. It is adapted to strike two gongs, J J, that are fastened to the platform A, as in Fig. 1, or the two sides of one gong fastened with its open end up to said platform, as in Fig. 4. The hammer I will produce a sound by striking the ringing-surface of the gong or gongs at the end of each vibration of the frame E on its pivot or pivots *g*. By this arrangement the sound produced by the hammer will be quite powerful, and where two gongs are employed, as in Fig. 1, they may be tuned to insure greater harmony.

The toy may be taken apart by lifting the cross-bar F off the frame E, and in that case the horse-like figures G, with the cross-bar F, will constitute a toy by themselves, while the lower vehicle will also remain an independent toy.

I do not here claim anything that is shown in Letters Patent Nos. 267,488, 272,461, 258,772, or 235,405.

I claim—

1. The combination of the vehicle-platform A, with its wheels B C, crank-axle D, pitman *b*, upright frame E, cross-bar F, attached to the upright frame E, and with the clapper I, and one or more gongs, J, for operation substantially as herein shown and described.

2. The platform A, made with the slots *f f*, and combined with the vibrating frame E, whose uprights *e* extend through said slots, and with the pin *g*, and mechanism, substantially as described, for vibrating said frame E, as specified.

3. The vibrating frame E, constructed with sockets *h*, in combination with the cross-bar F, having pins *i i*, and hammer I, and with the vehicle A and gong or gongs J, substantially as described.

HERMAN THOMASS.

Witnesses:

HARRY M. TURK,

WILLY G. E. SCHULTZ.