

No. 775,950.

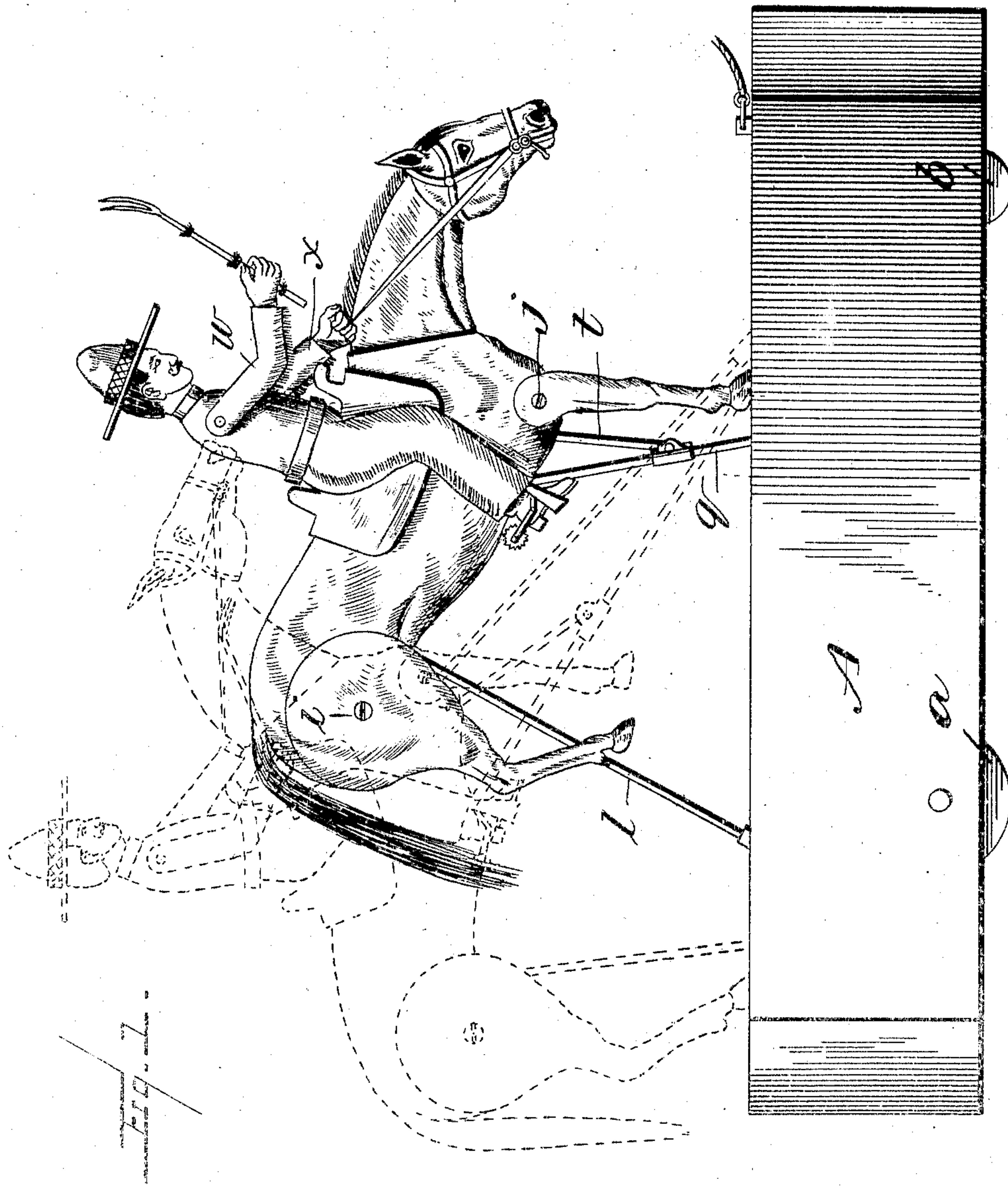
PATENTED NOV. 29, 1904.

C. W. TAFT.
MECHANICAL TOY.

APPLICATION FILED APR. 6, 1904.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

W. H. Dayle
L. H. Craven

INVENTOR
Charles W. Taft
BY *W. H. Bates*

Attorney

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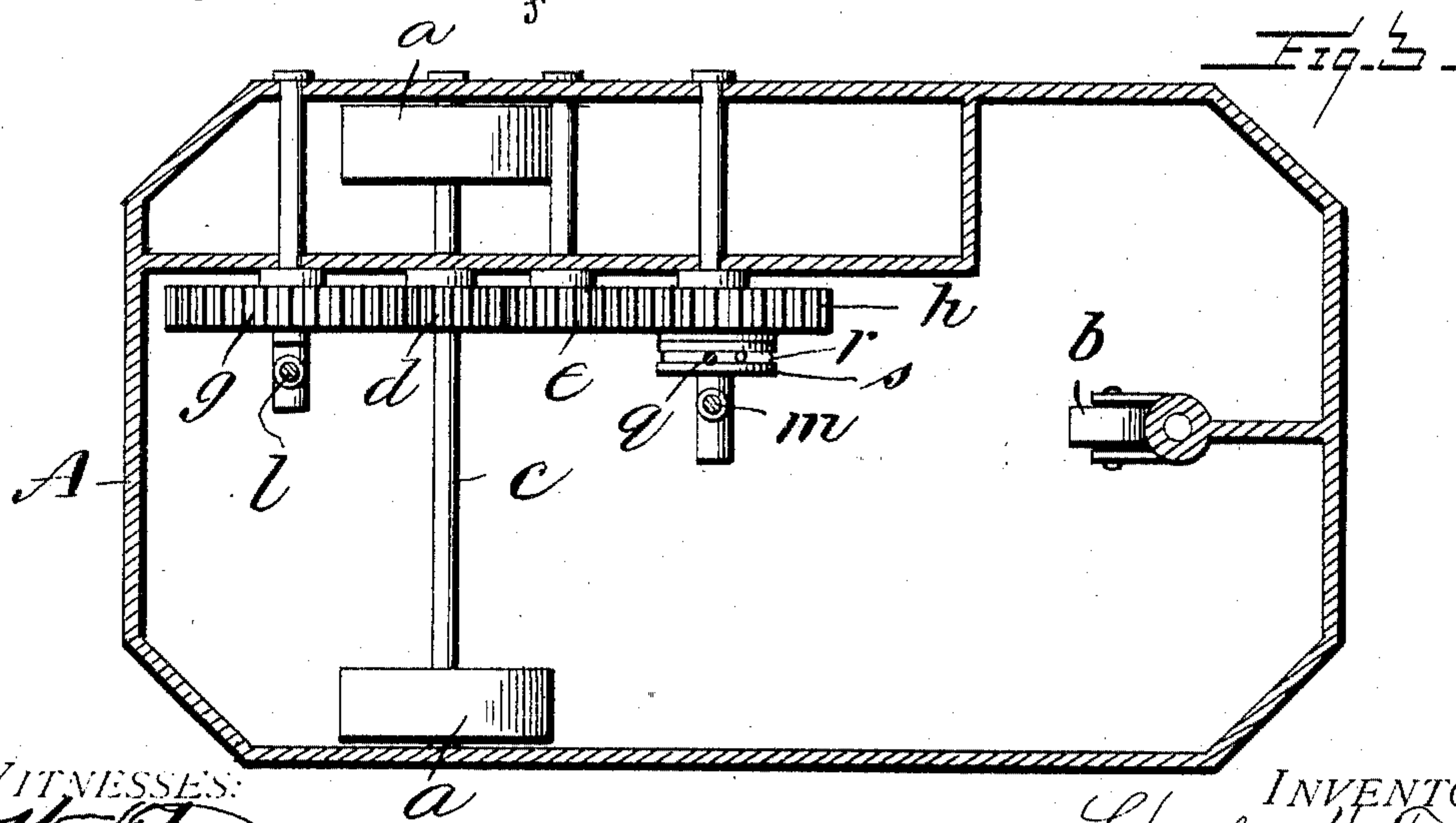
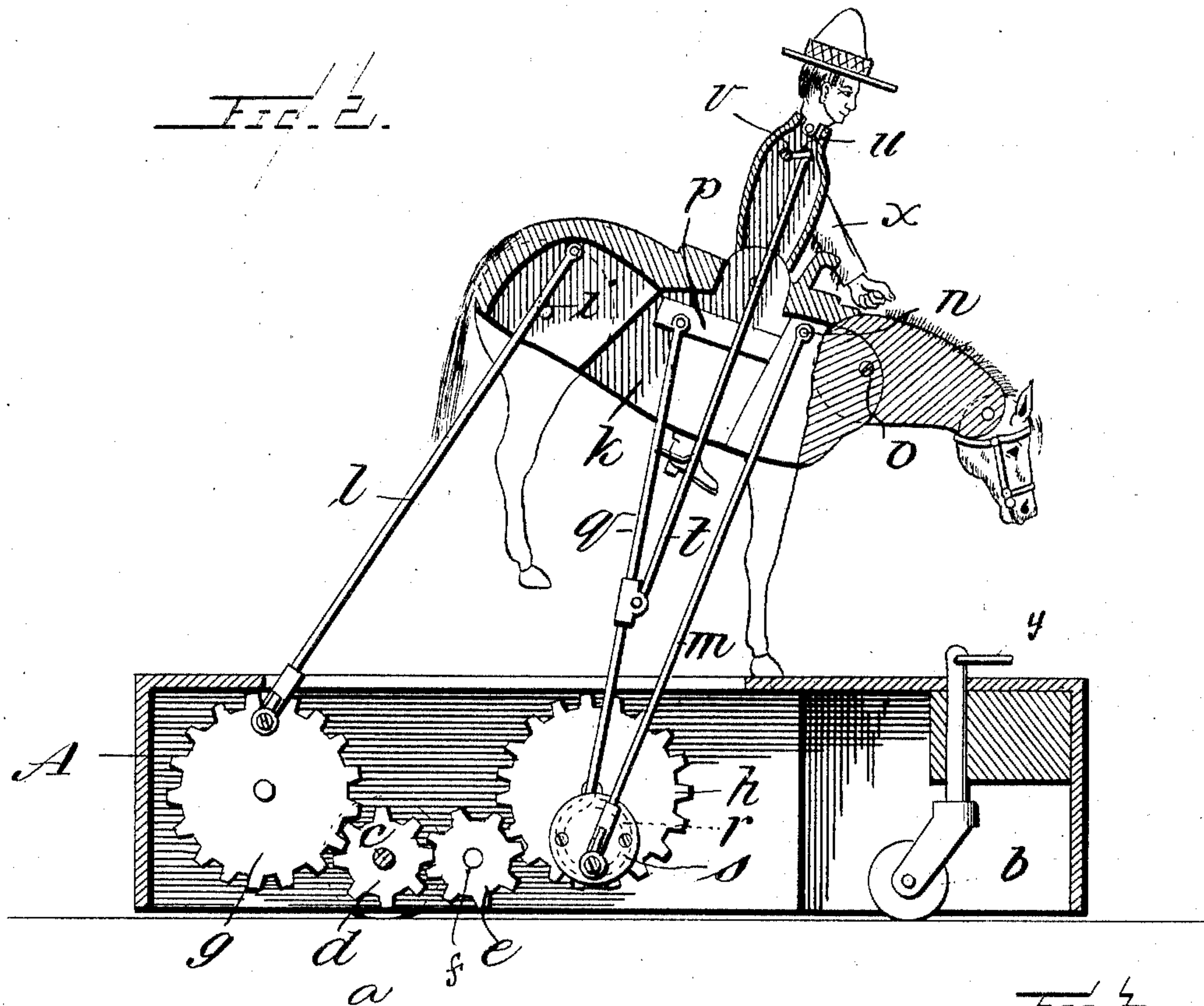
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WITNESSES:

H. F. Royce.
L. H. Craven.

INVENTOR

Charles W. Taft
By *Wm. H. Bates*

Attorney

UNITED STATES PATENT OFFICE.

CHARLES WALLACE TAFT, OF CLINE, OKLAHOMA TERRITORY.

MECHANICAL TOY.

SPECIFICATION forming part of Letters Patent No. 775,950, dated November 29, 1904.

Application filed April 6, 1904. Serial No. 202,197. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WALLACE TAFT, a citizen of the United States, residing at Cline, in the county of Beaver and Territory of Oklahoma, have invented new and useful Improvements in Mechanical Toys, of which the following is a specification.

This invention has relation to improvements in mechanical toys; and it consists in the novel construction, combination, and arrangement of parts of which it is composed, all as will be hereinafter more fully explained, and particularly pointed out in the appended claims.

The annexed drawings, to which reference is made, fully illustrate my invention, in which—

Figure 1 represents a side view of my improved mechanical toy. Fig. 2 is a vertical sectional view of the same, and Fig. 3 is a horizontal sectional view showing the driving mechanism.

Referring by letter to the accompanying drawings, A designates the body or base of the mechanical toy, which is supported on transporting-wheels *a a* at the rear thereof and a single wheel or caster *b* at the forward end, all of which have their bearing in the base of body.

Mounted upon the shaft *c* of the transporting-wheels is a pinion *d*, fixed thereto, which meshes with a similar pinion *e* on a shaft *f*. Said pinion also engages a larger pinion or gear-wheel *g* at the rear of the base. The pinion *e* meshes with a larger wheel *h*, thus forming a train of gearing whereby the animal, as well as its rider, is given motion as the device is drawn forward.

The hind legs of the animal are pivoted at *i*, and the front legs are pivoted at *j*, to the body, which latter has a central groove or opening *k* extending longitudinally from front to rear. Connected to the rear portion of the animal is a pitman *l* at its upper end, and its opposite end is pivoted eccentrically to the rear gear-wheel aforesaid, and a second pitman, *m*, is pivoted at its lower end to the front gear-wheel in a similar manner to that just described, and the upper end of this eccentric rod or pitman *m* is pivoted about the shoulders of the animal, as shown at *n*. The neck

of said animal is pivoted at *o*, and a bar *p* extends into the body thereof from the neck and is connected or pivoted at its rear end to the upper end of a rod *q*, which rod is provided with a ring *r* at its lower end, which engages a grooved eccentric *s*, which is fast to the front gear-wheel of the toy. At the central portion of this rod *q* is pivoted a rod *t*, the upper end of which is pivoted to the crank *u* on the transverse shaft *v*, to the outer end of which the right arm *w* of the man or rider is secured, while the opposite arm, *x*, is pivoted to the body of the figure.

The head of the figure or rider and the head of the animal are pivoted to the respective bodies.

Having thus described the different parts of which my improved mechanical toy is composed, I will now proceed and explain its operation.

A string being attached by one end to the ring *y* in the forward end of the base, the toy is drawn forward, and upon the transporting-wheels and the shaft of the hind wheels turning the pinion, which in turn sets in motion the entire train of gearing simultaneously, the animal first rears in broncho fashion and plunges forward with every revolution of the pair of gear-wheels. At the same time the grooved eccentric acts upon the rods *q t* and causes the head of the animal to move up and down and the right arm to swing and apply the whip to the animal, thus imitating the broncho in its natural movements in bucking and jumping.

It will be readily seen from the above description, when taken in connection with the annexed drawings, that I construct a mechanical toy designed for the amusement of children that when drawn forward represents the broncho in its different positions when being broken or first ridden, and the same can be manufactured at little expense, as well as being durable, substantial, and cannot be easily broken.

What I claim, and desire to secure by Letters Patent, is—

1. In a mechanical toy, the combination with the main body provided with the transporting-wheels and the train of the gearing,

comprising large and small wheels meshing with one another, of the animal and figure mounted thereon, the front and rear pitmen connecting the animal with the pair of large
5 gear-wheels, the extension of the animal's neck pivotally secured to the body of the animal, an arm on said figure, a crank attached to said arm, the central double rod pivoted to the extension of the animal's neck and crank of the
10 arm of the figure, means connected to said gearing for reciprocating said central double rod, substantially as described.

2. In a mechanical toy, the combination with the main frame provided with the trans-
15 porting-wheels and train of gearing, of the animal and figure, the connecting-pitmen arranged front and rear and pivoted at their upper ends to the horse and at their lower ends to two of the gear-wheels; the extension

of the animal's neck, the central rod pivoted 20 to the extension of the animal's neck and engaging the grooved eccentric on the front gear-wheel and the rod pivoted at its lower end near the center of the central rod, the crank of the arm of the figure and said rod 25 connected to the crank of the arm of the figure, whereby when the body is moved forward the animal as well as the rider is given movements in close imitation of the bucking broncho, substantially as described. 30

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES WALLACE TAFT.

Witnesses:

WM. H. BATES,

WM. H. DELACY.