

No. 850,448.

PATENTED APR. 16, 1907.

A. J. STICKNEY.
RIDING GALLERY.
APPLICATION FILED NOV. 7, 1903.

Fig. 1.

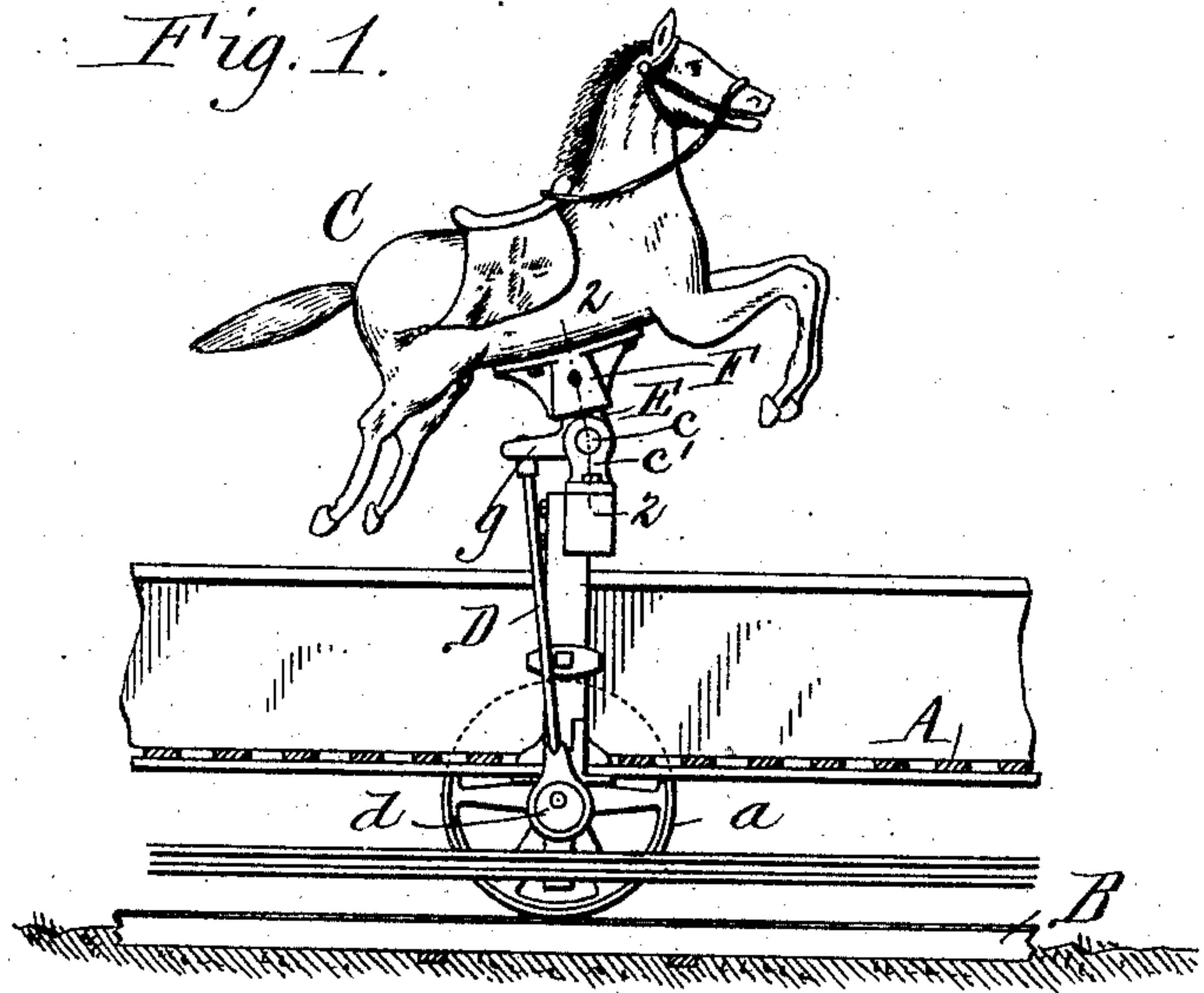


Fig. 2.

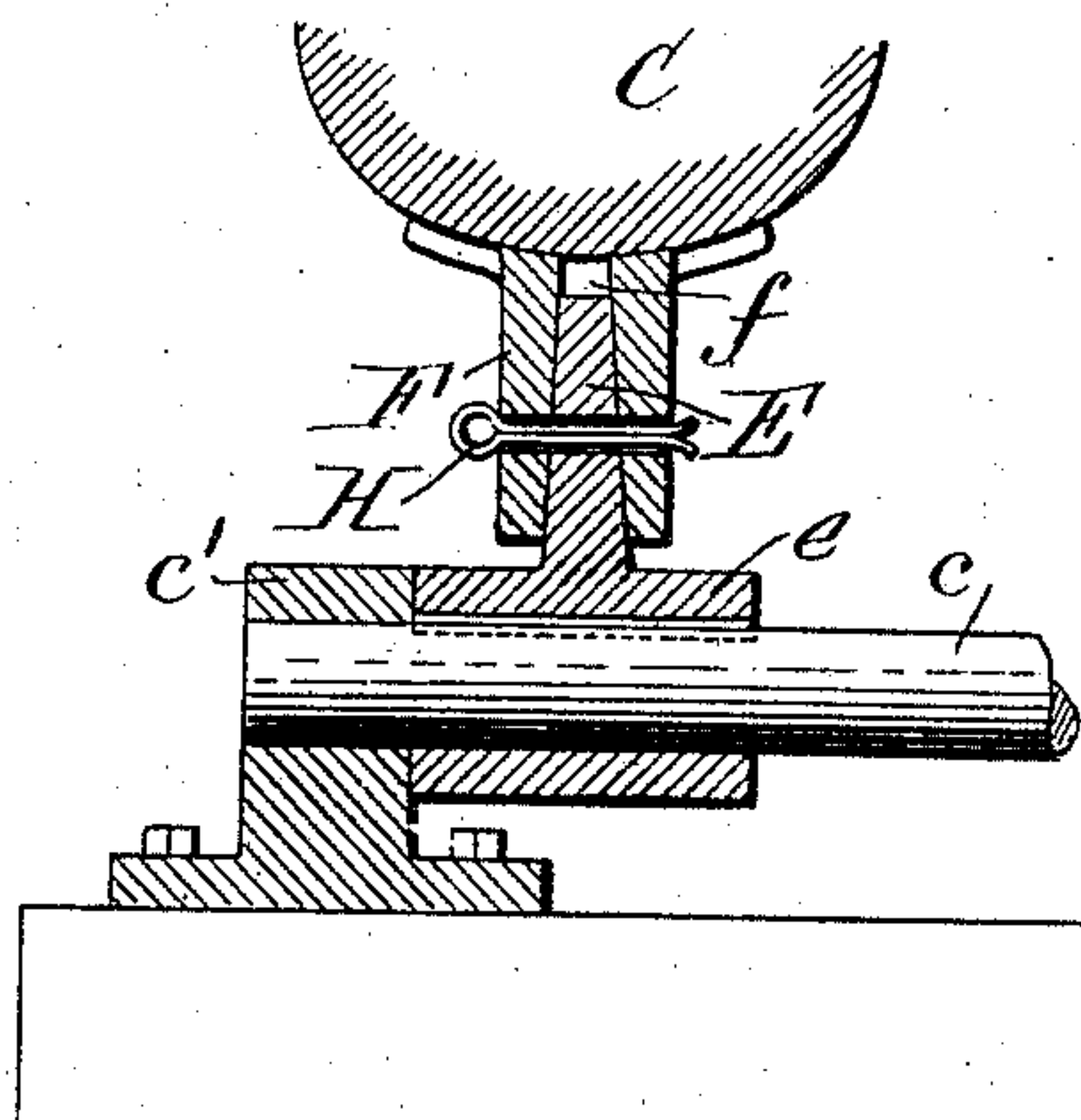


Fig. 3.

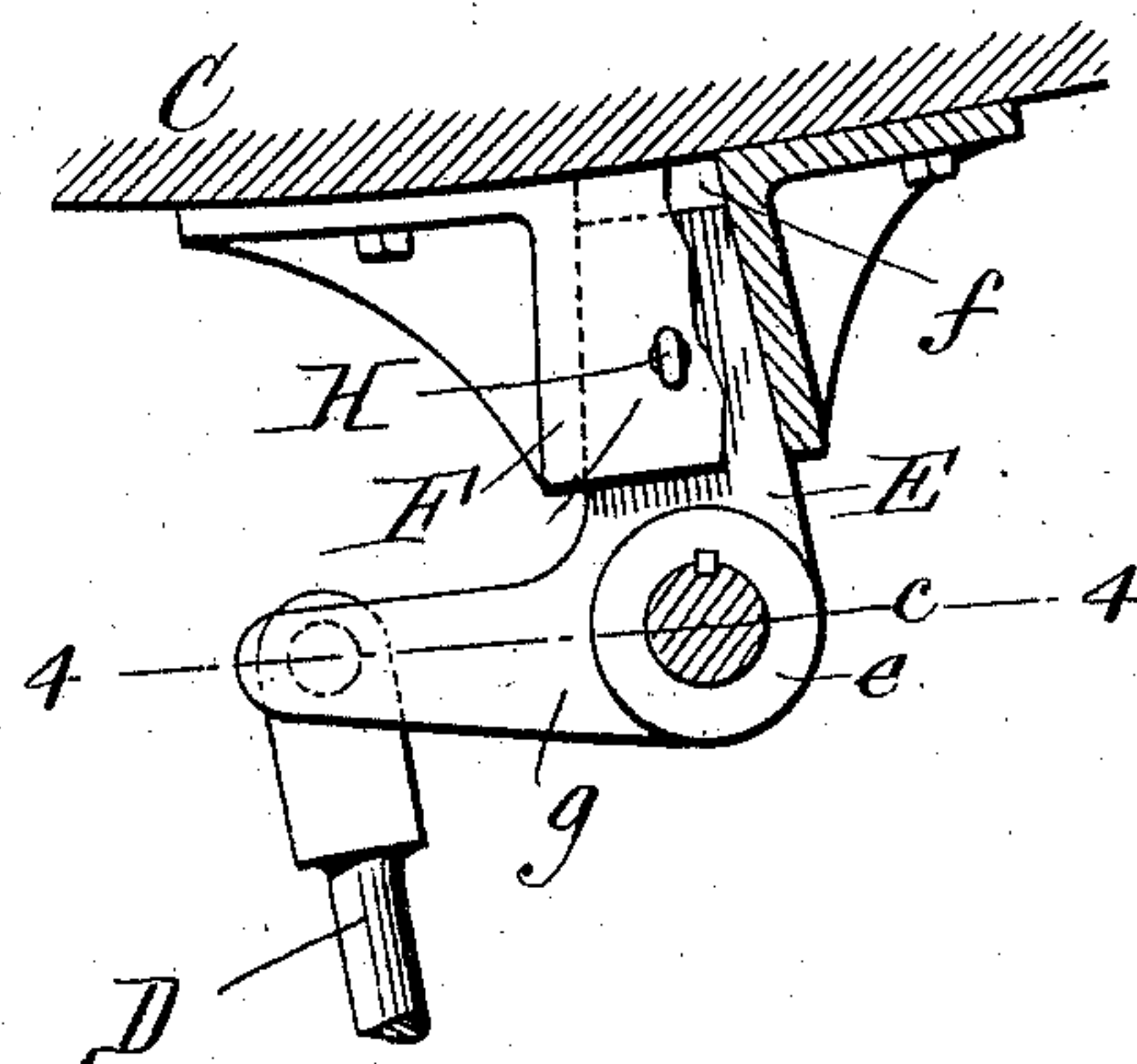
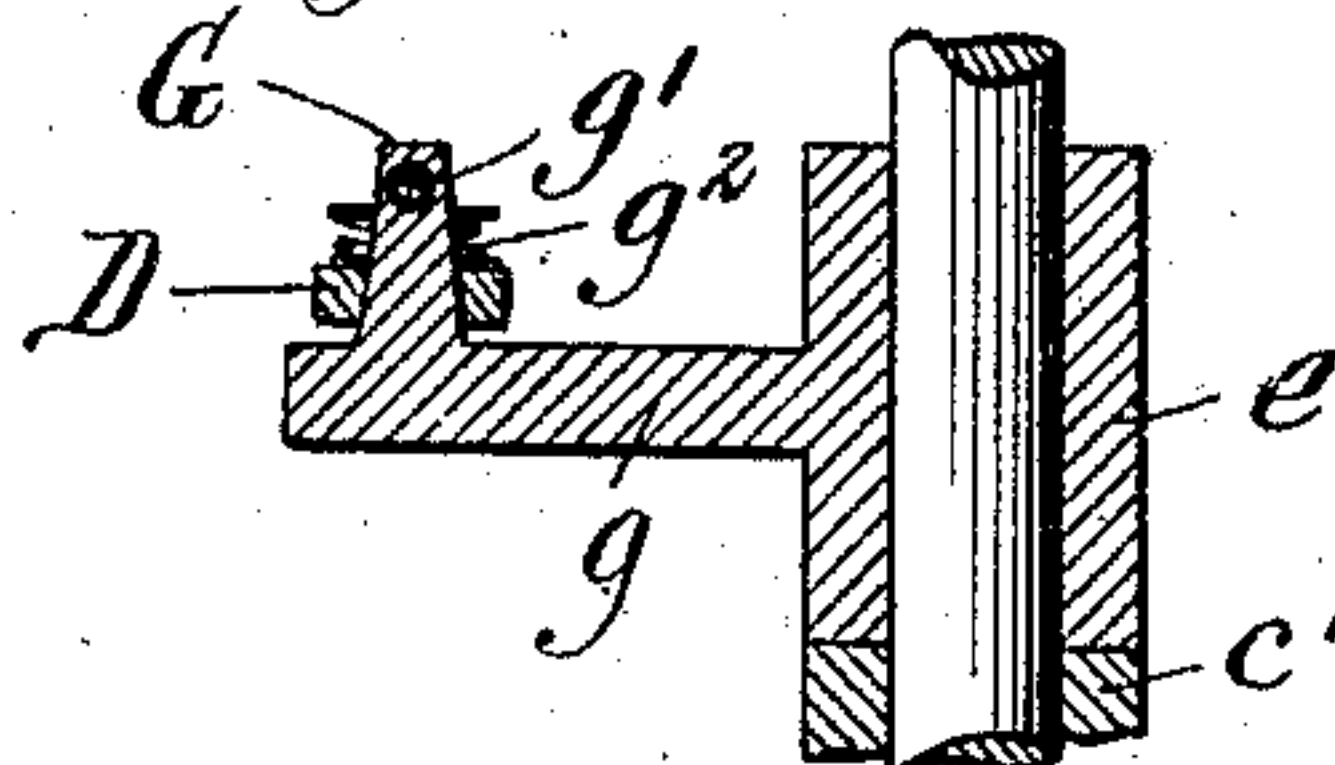


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALBERT JOSEPH STICKNEY, OF NORTH TONAWANDA, NEW YORK, ASSIGNOR
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RIDING-GALLERY.

No. 850,448.

Specification of Letters Patent.

Patented April 16, 1907.

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To all whom it may concern:

Be it known that I, ALBERT JOSEPH STICKNEY, a citizen of the United States, residing at North Tonawanda, in the county of Niagara and State of New York, have invented new and useful Improvements in Riding-Galleries, of which the following is a specification.

This invention relates to improvements in merry-go-rounds or riding-galleries of that kind having a horizontal rotary frame or platform carrying horses or other figures or seats for the riders which are pivotally mounted and are rocked on their pivots during the rotation of the frame by suitable operating mechanism. These machines are frequently moved from place to place, and it is desirable to so construct them that they can be readily dismantled and again set up in a new position without loss of time and with little labor.

The object of the invention is to detachably mount the rocking horses, figures, or seats and connect them with their operating devices in such manner that they will be securely retained in place against accidental disengagement, while at the same time capable of ready attachment and detachment.

In the accompanying drawings, Figure 1 is a side elevation of a portion of a riding-gallery, showing a detachable connection for the horse or figure embodying the invention. Fig. 2 is a fragmentary transverse vertical section, on an enlarged scale, in line 2 2, Fig. 1. Fig. 3 is a side elevation, partly in section, on an enlarged scale, of the detachable connection for the horse or figure. Fig. 4 is an enlarged horizontal section showing the detachable connection between the rock-arm and its operating-rod.

Like letters of reference refer to like parts in the several figures.

A represents a portion of a horizontally-moving or rotary platform or frame, which is supported at its outer portion by wheels or rollers *a*, one of which is shown, and which are journaled in suitable bearings on the frame and travel on a stationary track B.

C represents a rocking horse, other figure, or seat, which is pivotally supported on the moving frame or platform—in the present instance by a rock-shaft *c*, journaled in bearings *c'* on the moving frame. The horse or figure is rocked by a pitman or operating-rod

D, which is pivoted at its upper end to the rock-arm and is provided at its lower end with an eccentric-strap surrounding an eccentric *d*, which rotates with the supporting-wheel, so as to cause the horse or figure to rock on its pivotal support as the supporting-wheel for the platform rolls along on its track.

The parts as thus far described are of known construction.

The detachable connection for the rocking horse or figure is constructed as follows: E represents a rock-arm having a sleeve or hub *e*, which is keyed or otherwise secured to the rock-shaft. The rock-arm is preferably tapered or wedge-shaped. F represents a socket plate or casting, which is bolted or otherwise secured to the horse or figure and is provided with a downwardly-opening socket *f* to receive the upwardly-projecting rock-arm. The socket is also preferably tapered to correspond with the tapered or wedge-shaped rock-arm, so that when the socket is engaged on the arm it is wedged tightly down on the same by the weight of the horse or figure and its rider, thereby insuring a tight secure connection between the socket and the rock-arm and preventing any possibility of the accidental detachment of the horse or figure. The upper end of the operating-pitman for the horse or figure is provided with a hole which engages over a tapering pin G, projecting from an arm *g*, rigidly secured to or formed with the rock-arm E. The pitman is detachably held on the pin G by a cotter-pin or the like *g'*, and a spring *g''* or similar device is interposed between the cotter-pin and pitman to force the latter upon the large part of the pin F to prevent lost motion and noise. The horse, figure, or seat can be quickly and easily placed on and removed from its rock-arm, and no bolts or other attaching devices are required to secure the horse or figure on its rock-arm. To avoid any possibility of the accidental detachment of the horse, figure, or seat, however, a spring cotter-pin or device H is passed through registering holes in the rock-arm and the socket *f*. The cotter-pin is so proportioned and shaped that it can be easily forced into and out of place, but will be self-retaining.

I claim as my invention—

1. The combination of a figure or seat, a

socket-piece secured externally to and depending from said figure or seat and having a downwardly-opening wedge-shaped socket, a pivoted support for said seat or figure having
5 an upright wedge-shaped arm which wedges into and is detachable from said socket and a lateral arm, and means connected to said lateral arm for rocking said support, the figure or seat being wholly supported by said
10 upright arm, substantially as set forth.

2. The combination of a figure or seat, a socket-piece secured externally to and depending from said figure or seat and having a downwardly-opening tapering socket, a rock-

shaft, a sleeve thereon having an integral up- 15
right wedge-shaped supporting-arm which detachably fits in said socket and an integral laterally-projecting arm, and means connected to said laterally-projecting arm for
20 rocking said figure or seat, said wedge-shaped arm constituting the sole support for said figure or seat, substantially as set forth.

Witness my hand this 2d day of November, 1903.

ALBERT JOSEPH STICKNEY.

Witnesses:

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