

(No Model.)

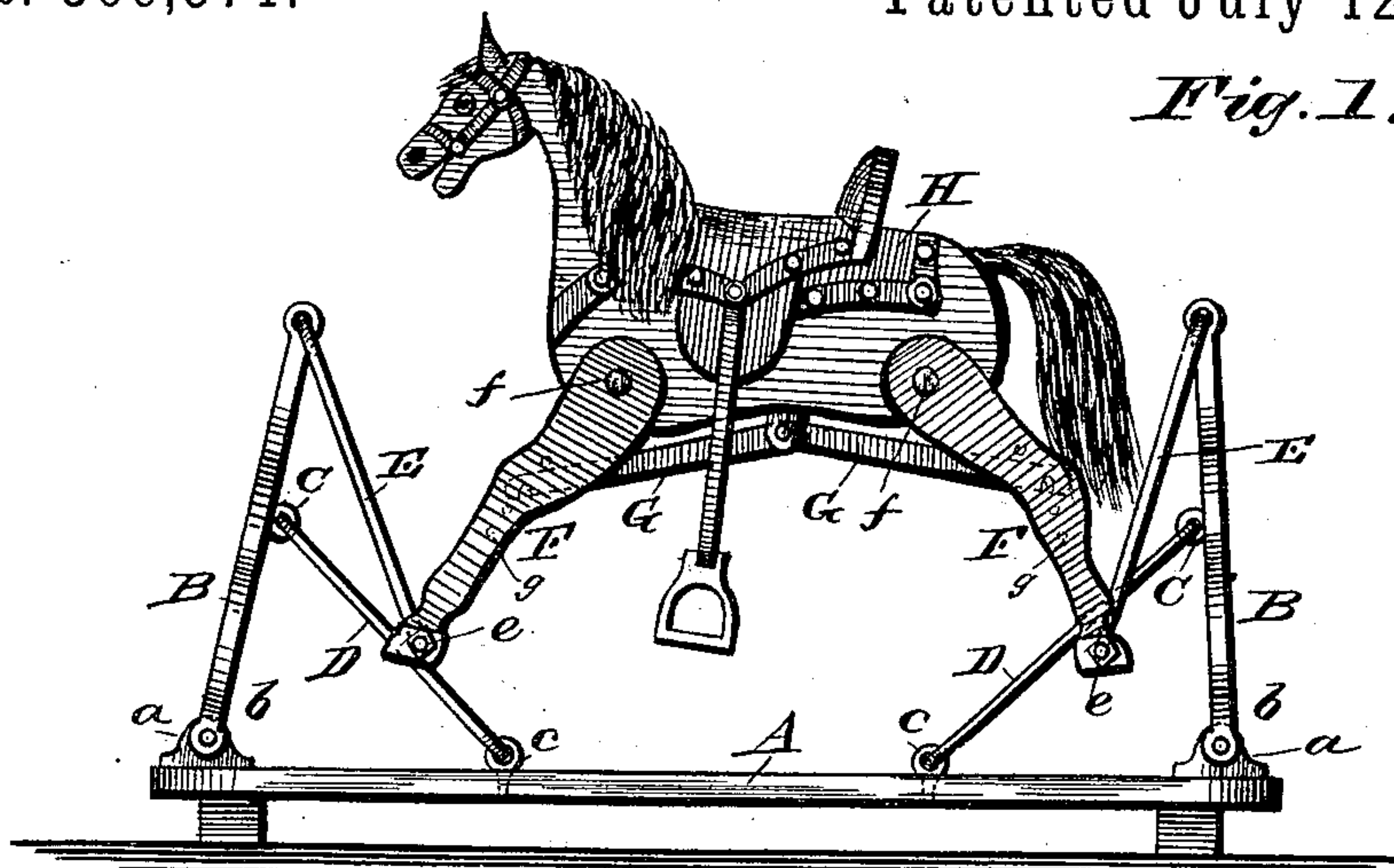
J. A. CRANDALL.

HOBBY HORSE.

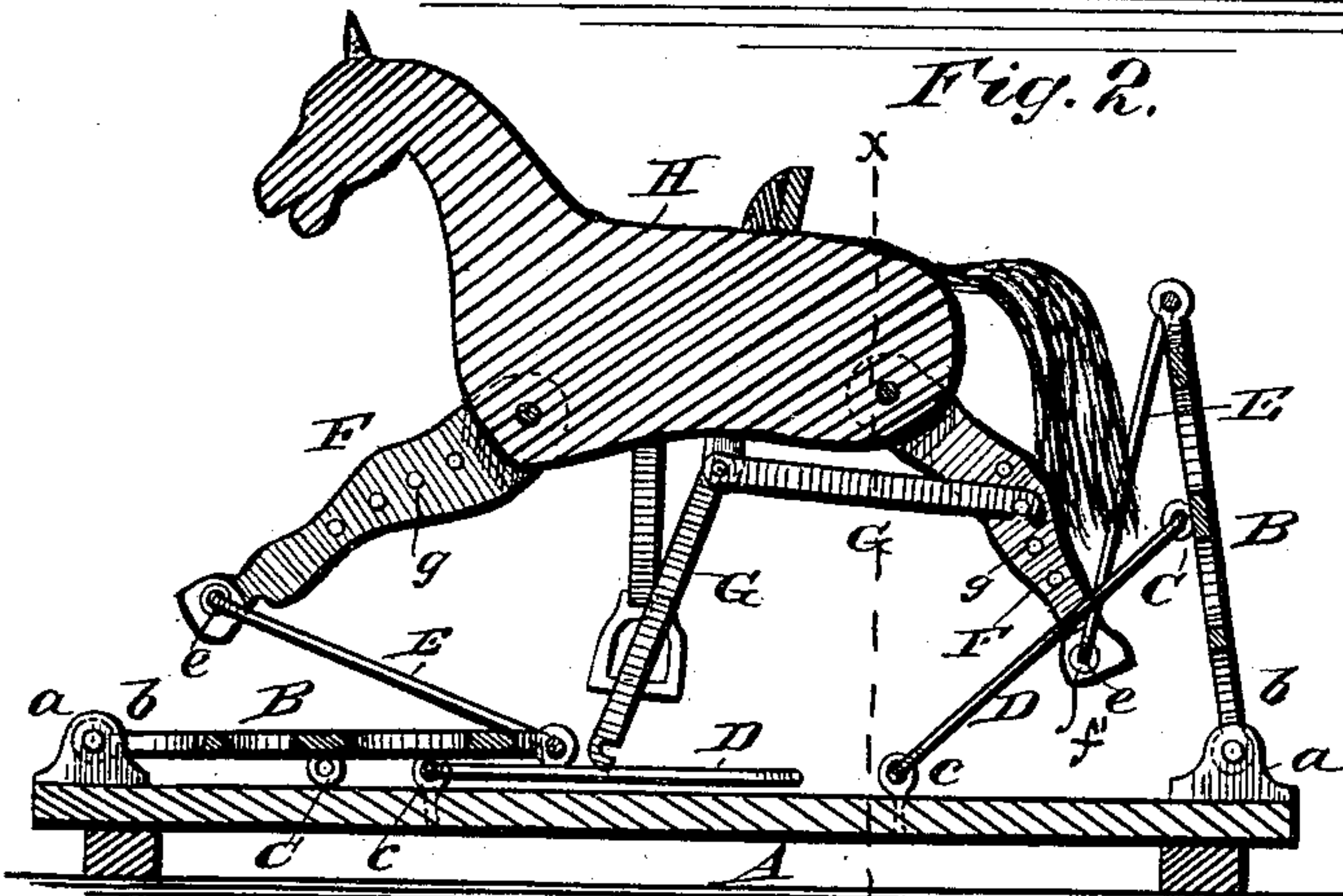
No. 366,571.

Patented July 12, 1887.

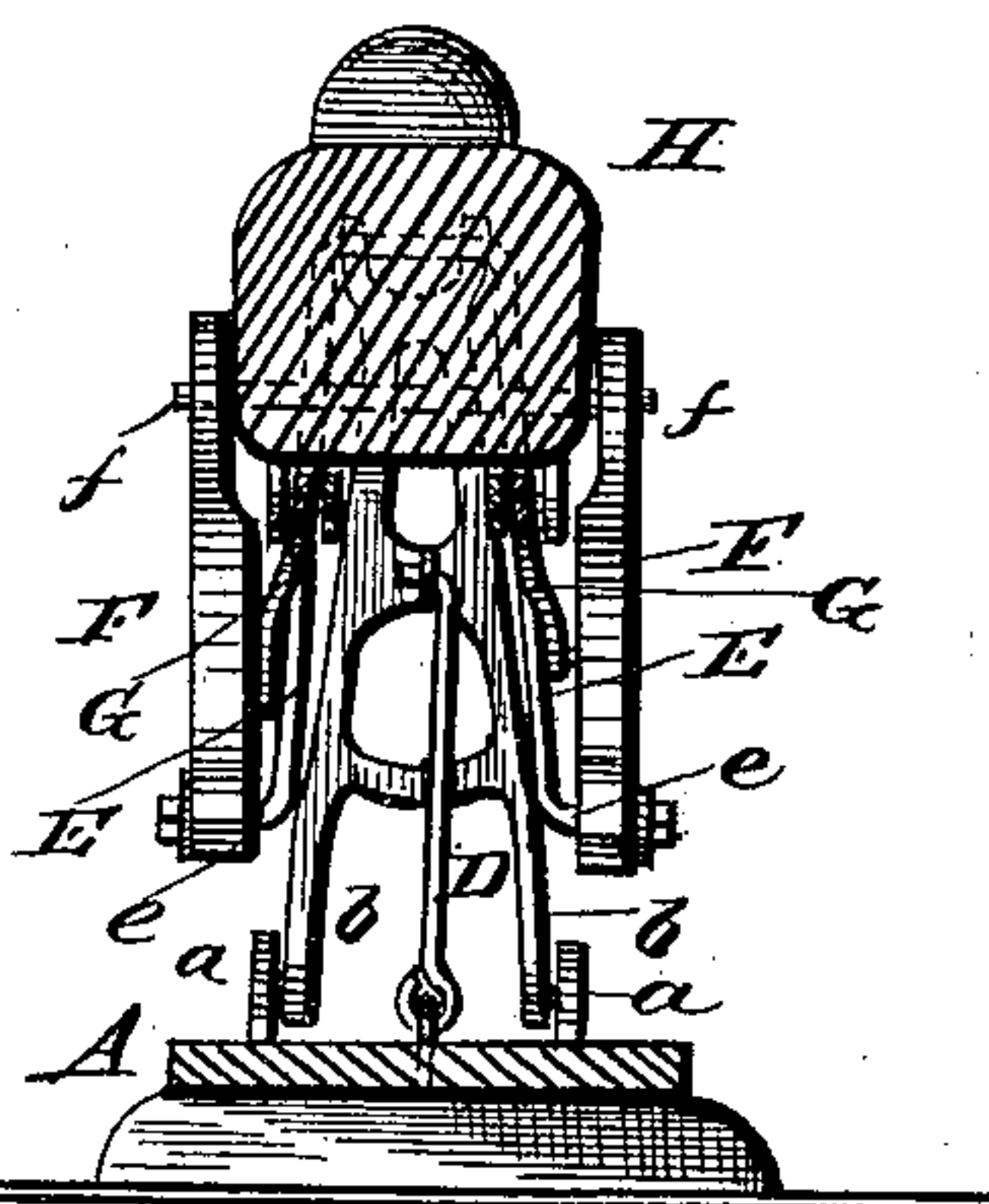
*Fig. 1.*



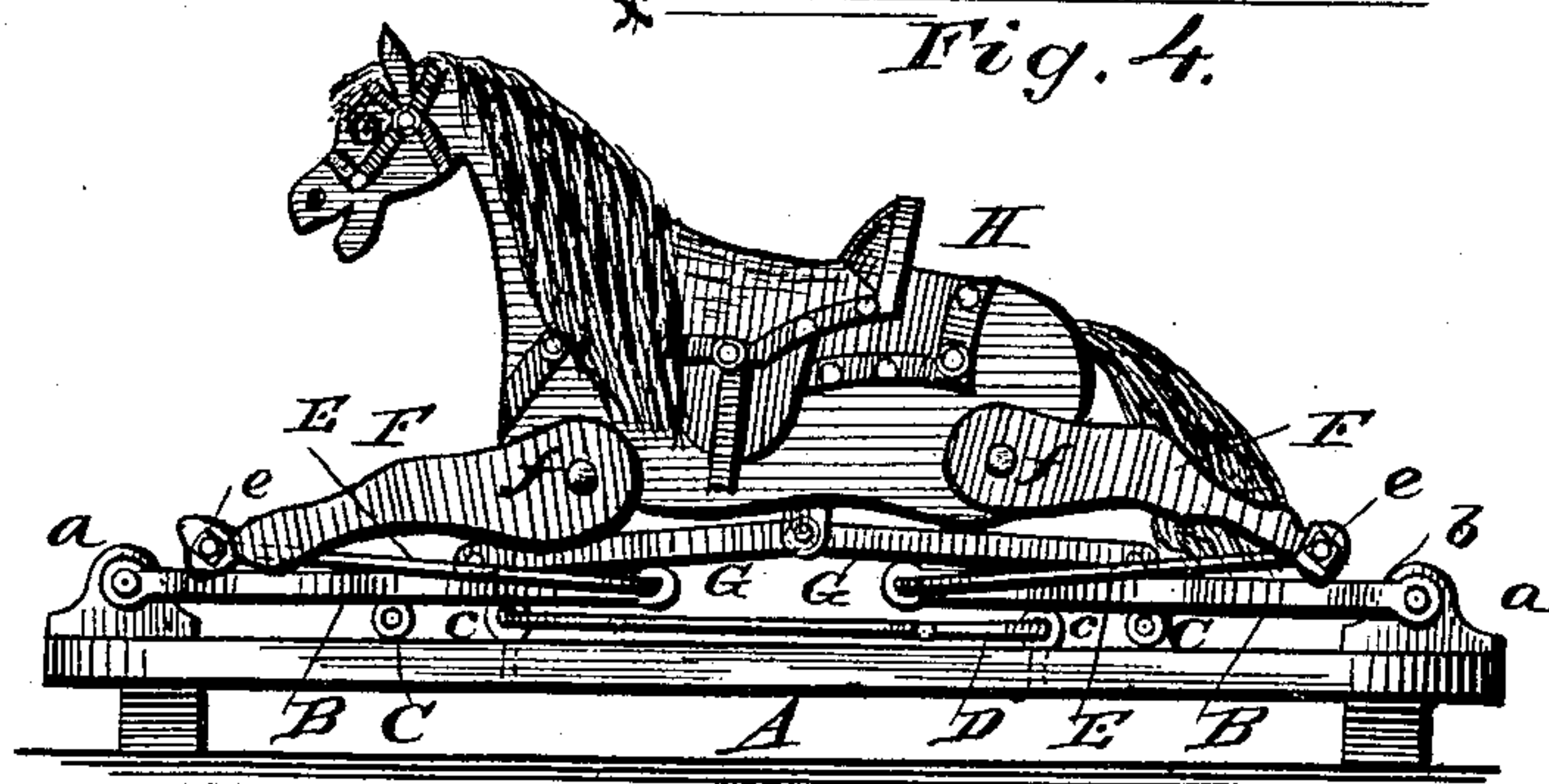
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES

*Phil C. Dietrich.*  
*A. C. Rawlinson.*

INVENTOR

*Jesse A. Crandall.*

by:

*W. H. Alexander*  
Attorney



# UNITED STATES PATENT OFFICE.

JESSE A. CRANDALL, OF BROOKLYN, NEW YORK.

## HOBBY-HORSE.

SPECIFICATION forming part of Letters Patent No. 366,571, dated July 12, 1887.

Application filed April 8, 1887. Serial No. 234,206. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE A. CRANDALL, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Hobby-Horses; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a side view of my improved hobby-horse or children's swing in position for use. Fig. 2 is a central vertical longitudinal section through Fig. 1. Fig. 3 is a cross-section on line *x x*, Fig. 2. Fig. 4 is a view showing the parts closed for transportation.

This invention relates to improvements in swings for children, and has special reference to hobby-horses, its object being to provide a horse that will swing freely in a longitudinal direction, which can be adjusted to different heights to suit varying sizes of owners, and which can be folded into a comparatively small space when not in use or for storage. These ends I attain by the present invention, which consists in the peculiar and novel arrangement of parts, hereinafter described, illustrated in the drawings, and particularly designated in the claims.

Referring to the drawings by letter, A designates the base piece or support of the device, upon which the folding parts are mounted. This base consists of a rectangular board, which may be suitably ornamented to present a neat appearance, and is preferably mounted on suitable short legs at its end for the purpose of steadying the device when in use.

At the opposite end of base A are suitably hinged the standards B, so that they can be folded toward or from each other on the base. The standards B are preferably made of metal in ornamental design, and have their bases widened and bifurcated, forming two hinge-legs, *b b*, for each standard, which are engaged by eyes *a a* on base A, as shown.

About centrally of the height of standards B B, on their opposing inner faces, are formed or secured the eyes or lugs C C, which are engaged by hook-rods D, the lower ends of which are secured to eye-screws *e e*, which are secured at suitable points to base A between

standards B B, and by which means the standards are held upright, or in other desired position, by adjusting screws *e e*, closer or farther from their respective standards B B.

It will be observed that the rods D thus serve both to support and adjust the hinged standards.

E E designate angular rods journaled at their bends in suitable bearings formed in the upper ends of standards B B, as shown. From their bends the opposite pieces, *e e*, of the rods extend parallel with each other a distance nearly equal in length with the standards B. The rods E E are swung inward toward each other, and have the lower ends of their respective side pieces, *e e*, suitably connected to the corresponding end of the swinging body or seat. In the drawings I have represented a dummy-horse, H, employed as the seat. This horse has its front and rear legs, F F, made separate, and each suitably journaled by a bolt or pin, *f*, to the body, as shown. The lower ends of the front legs are connected to the pieces *e* of one rod, E, and similarly the rear legs, F, to the other rod, E. The connection is preferably made by turning the ends of pieces *e* at right angles thereto and in opposite directions and passing these ends through corresponding openings, *f'*, in the "hoofs" of legs F, which may be provided with suitable metallic bushings to prevent wear when the horse is made of wood.

G G designate four rods, pivoted at one end in suitable manner to the body of the horse, on the under side, and about centrally between the pairs of legs F F. The free ends of these rods are notched and adapted to engage pins or studs *g g*, secured to the inner sides of legs F F, as shown, two of the rods G being used with the front pair of the legs and two with the rear pair. By means of rods G and pins *g* the legs of the horse are locked and prevented from turning outward when in use, and thus letting the body of the horse fall. By employing several pins *g* on each leg *f* at different points thereon, the bars G can be engaged with the various corresponding pins and change the position of the horse, and thereby in a degree effect the elevating or lowering of the same, as is evident, in addition to the adjustment afforded by screws *e*. The



body of the horse may be finished and equipped in any suitable manner. Now, when the horse is in the position shown in Fig. 1, it is obvious that it is free to swing or oscillate longitudinally, the swing-rods E E and their described connections affording a safe and noiseless movement for the same. If it is desired to have the device in one particular part of the room only, the base A can be dispensed with, the standards B B and screws c c being secured direct to the floor.

It will be observed that by adjusting the screws c, and through them varying the positions of standards B B, the height of the body H above the floor or base A is varied, and by employing several screws c for each rod D the body H can be quickly raised or lowered to accommodate different riders.

When it is desired to fold the swing for transportation or other cause, the rods D are disengaged from the screws c and the standards B B turned inward, folding beneath the seat with their rods E, and thus letting the seat down upon the base A. Where the horse is employed, after the parts are lowered as described, the rods G are unhooked from legs F, and this allows the legs to turn upward and permits the body H to lie close to base A, as shown in Fig. 4. This is a valuable feature, as less room is required for storing or transporting the swing, and it is, when so closed, more easily handled.

Having described my invention, I claim—

1. The combination, with two opposite hinged standards adjustable toward or from each other, and swinging rods journaled by their upper ends in the tops of the standards and inclining inwardly to and pivotally connected with the body, so as to support the latter and permit its oscillation, of the rods pivotally connected to the standards and engaging proper retaining devices secured to the support for the same and serving to both support the standards and to adjust the positions of the same and consequent elevation of the body or seat, as and for the purpose set forth.

2. The combination, with the two opposite

hinged standards and the rods D and screw-eyes c, for supporting and holding them in varying positions, of the cranked rods E, journaled at their bends in the upper ends of the standards and swinging freely thereon, and having their lower ends pivotally secured to the body of the seat, all constructed and arranged substantially as and for the purpose specified.

3. The combination, with suitable opposite standards, having swinging crank-rods E journaled in their upper ends, of the body H, having pivoted legs F F connected to the ends of rods E and swinging the body thereon, and means, substantially as described, for locking legs F F to hold the body H in proper position, all constructed and arranged substantially as specified.

4. The combination of hinged standards B and means for holding them in various positions, substantially as described, and the rods E, journaled in the upper ends of said standards, with the body H, having pivoted legs F F connected at their lower ends to the ends of rods E, and the hook-rods G, pivoted to the body H and engaging suitable pins on the legs F to lock the same when in use, all constructed substantially as and for the purpose specified.

5. The combination of base A, having standards B hinged to its opposite ends, rods D, and screw-eyes c, for adjusting the position of said standards, with the body H, having pivoted legs F, rods G, engaging lugs g on said legs, and swinging rods E E, journaled at their bend in the upper ends of standards B B and journaled by their cranked lower ends to their corresponding legs, F F, of body H, all constructed and arranged substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JESSE A. CRANDALL.

Witnesses:

NOAH TEBBETTS,  
JOHN H. FULCHER.