

C. A. EVANS.

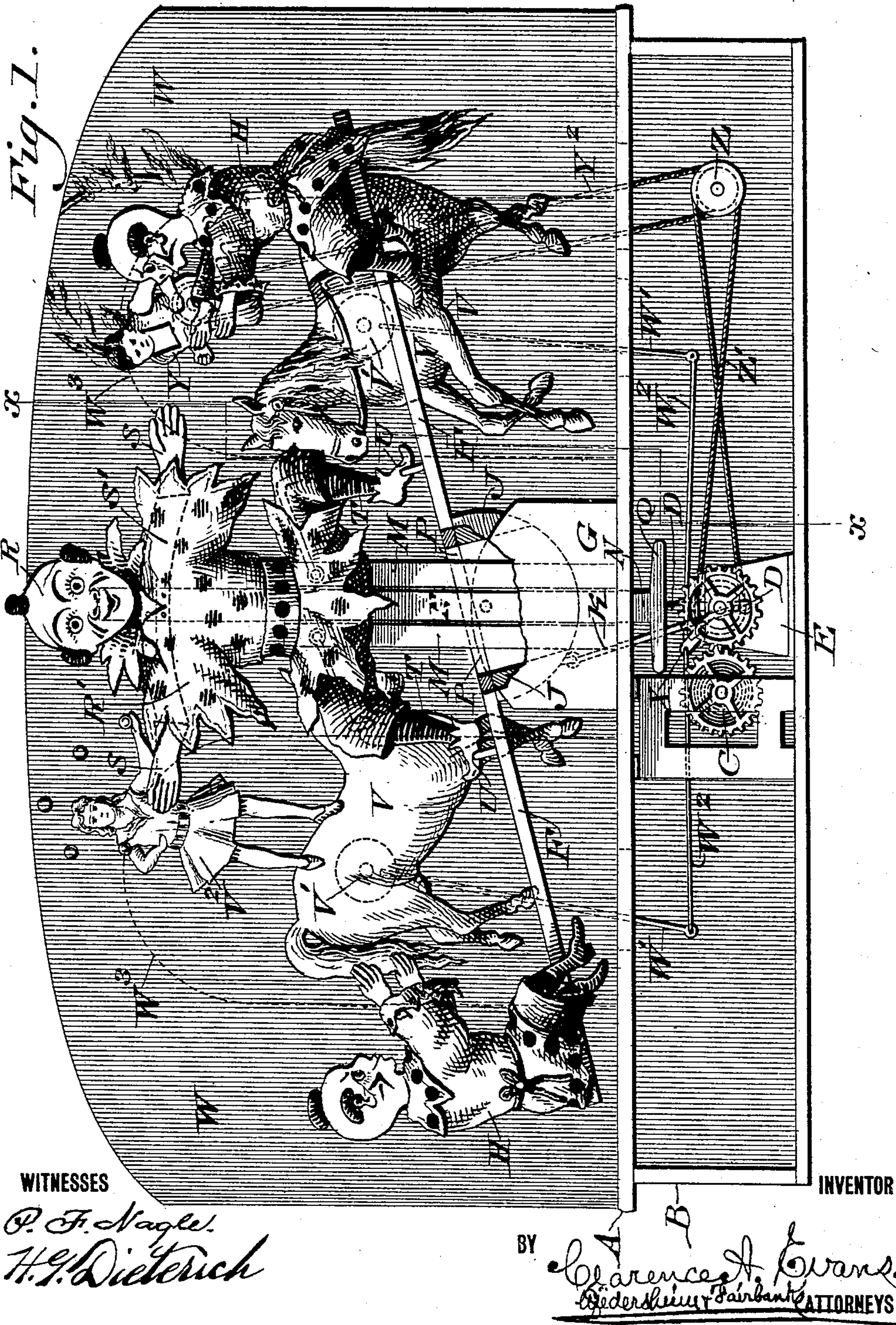
TOY CIRCUS.

APPLICATION FILED NOV. 9, 1909.

968,756.

Patented Aug. 30, 1910.

2 SHEETS—SHEET 1.

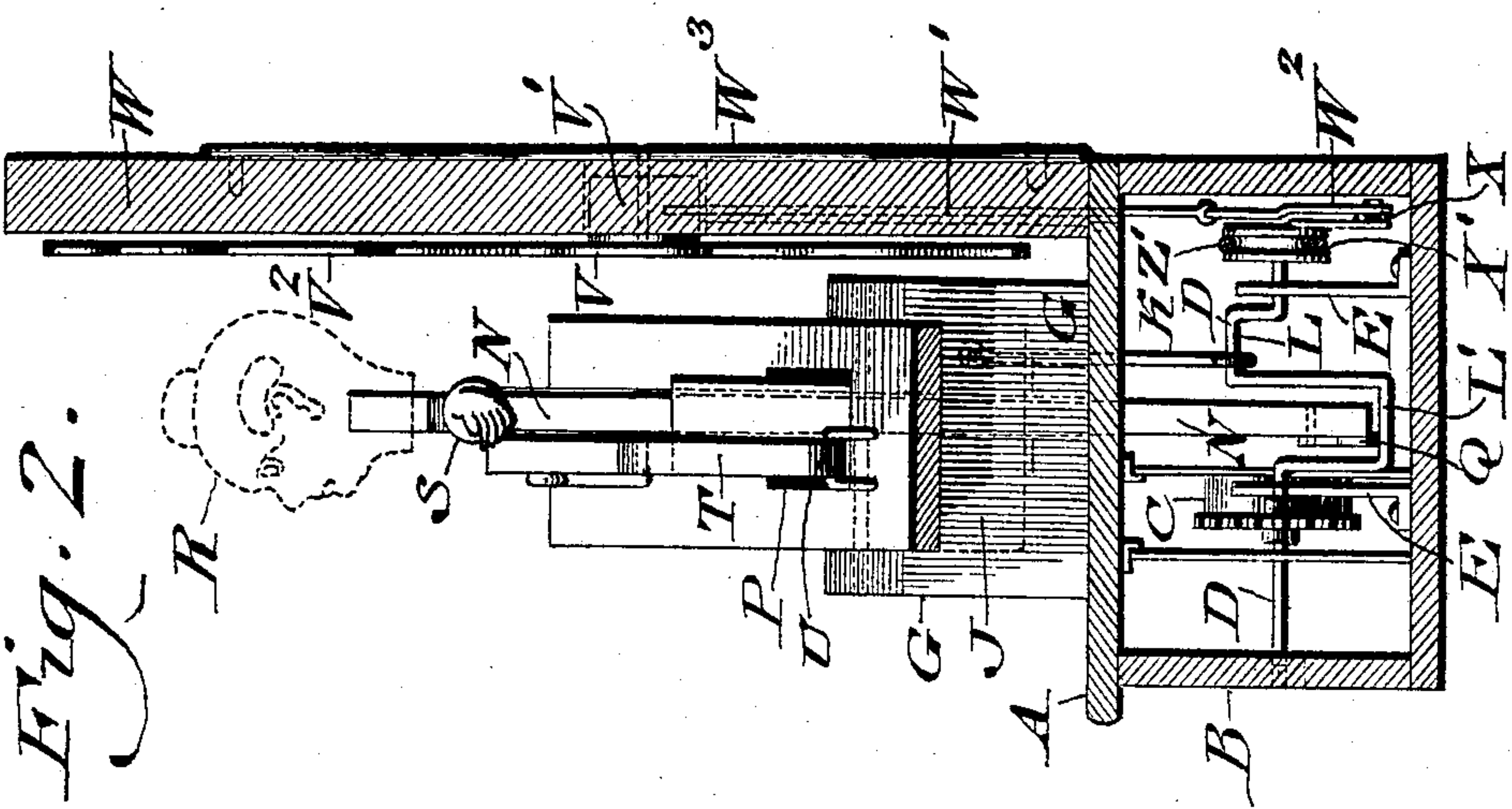
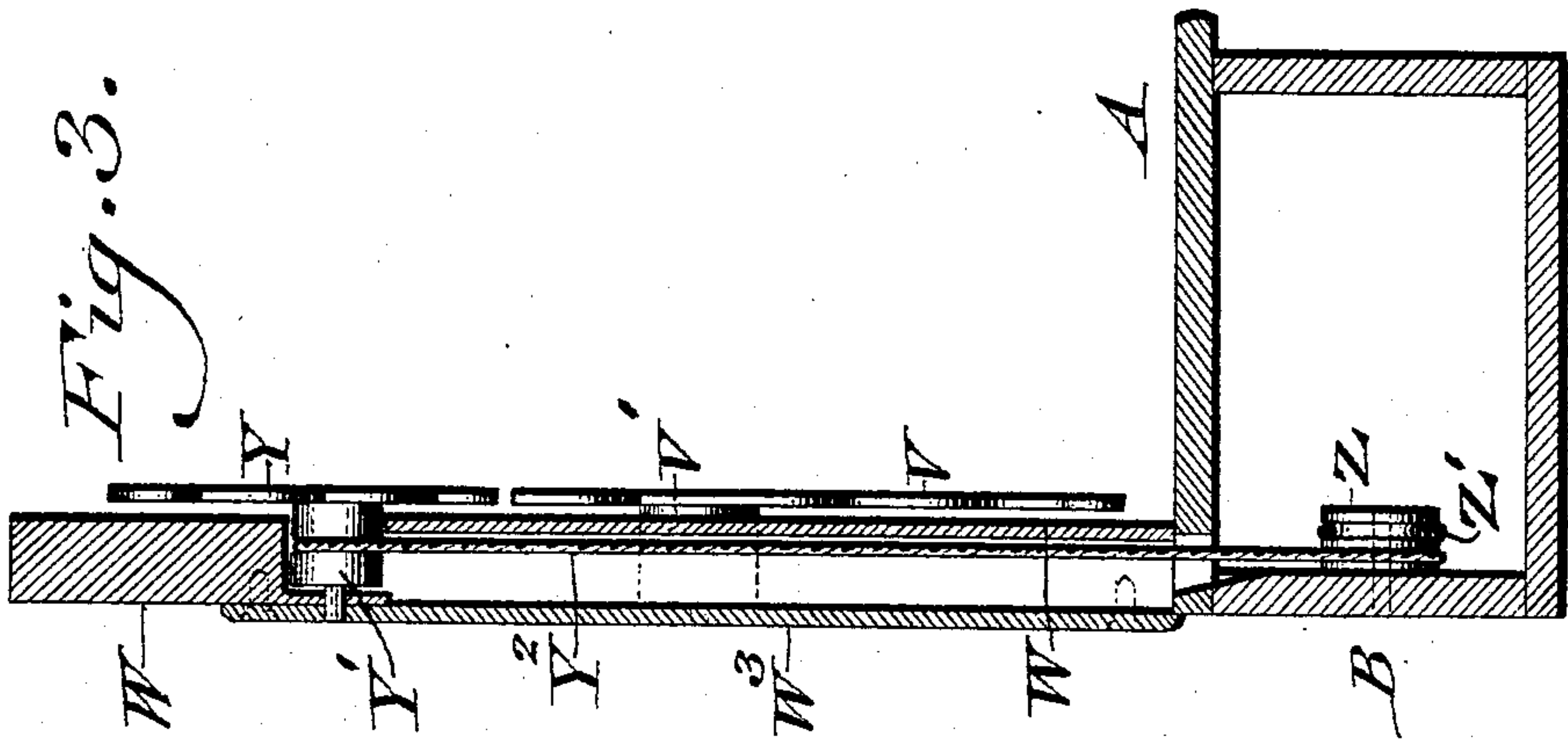


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WITNESSES

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UNITED STATES PATENT OFFICE.

CLARENCE A. EVANS, OF CHESTER, PENNSYLVANIA.

TOY CIRCUS.

968,756.

Specification of Letters Patent.

Patented Aug. 30, 1910.

Application filed November 9, 1909. Serial No. 526,990.

To all whom it may concern:

Be it known that I, CLARENCE A. EVANS, a citizen of the United States, residing at Chester, in the county of Delaware, State of Pennsylvania, have invented a new and useful Toy Circus, of which the following is a specification.

My invention consists of a toy simulating a circus, comprising figures of animals that are adapted to rock or gallop, a figure adapted to simulate the turning of a somersault, a see-saw, and a figure as that of a clown that apparently lengthens and shortens his body, his legs working the see-saw, and details of construction as will be hereinafter described.

For the purpose of explaining the invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a front elevation partly cut away of a toy circus embodying my invention. Fig. 2 represents a vertical section thereof on line $x-x$, Fig. 1, looking to the left. Fig. 3 represents a similar section looking to the right.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates a platform below which is the casing B, within which is the spring or other motor C, by means of which rotation may be imparted to the double crank shaft D, whose bearings E are secured to the casing B.

F designates a see-saw composed of a beam whose bearings G rise from the floor A and on whose opposite ends are the figures H such as clowns, which are suitably secured thereto. Connected eccentrically with the rocker J on the under side of said beam, is the link K, which is pivotally mounted on one of the cranks L of the shaft D, whereby the proper motions are imparted to the see-saw.

Secured to the floor A are the uprights M, within which is the raising and lowering slide or bar N, which with the uprights M passes freely through an opening P in the beam of the see-saw. The lower portion of the bar N passes through an opening in the floor A and carries on its bottom end the

foot Q, which rests on the other crank L' of the shaft D, whereby up and down motions are imparted to said bar, it being noticed that a head R is connected with the top of said bar.

Hands S are attached to arms and a shoulder S' on said bar, and legs T are pivotally connected with the uprights M. A suit of clothing R' is placed over said arms, the shoulders, and portions of the uprights, the bar and legs, thus simulating with the head R a figure such as a clown, the figure being shown raised in Fig. 1 and lowered in Fig. 2. The feet U of the legs T are pivotally connected with the beam of the see-saw so as to move up and down alternately with the same as if the figure works the see-saw.

V designates figures such as horses, which have connected with them the oscillating cylinders or blocks V', which are fitted freely in openings in the board W, which constitutes the back-ground of the toy. Firmly secured to said blocks V' are the links W', the latter being pivotally connected with the links W², the inner ends of which are pivotally connected with an arm X on the pulley X', which latter is firmly secured to the inner end of the crank shaft D, whereby on rotation of the latter, said links W' are operated, so as to impart oscillatory motions to the figures V, and thus the latter simulate galloping of horses. The figure V² of a circus rider is placed on the figure V, so as to move therewith.

Y designates a figure which is secured to the rotatable cylinder or pulley Y', the latter being mounted on the back board W and having passed around it the endless cord Y², which is also passed around the pulley Z, whose bearings are on the casing B. Passing around said pulley Z, is the endless cord Z', which passes also around the pulley X' on the crank shaft D, whereby by the operation of the latter, motion is imparted to the other connected members and consequently to the figure Y, which is rotated and simulates the turning of a somersault over the figure V of the animal beneath the same. The members of the toy behind the back-board W are covered by a piece W³ to protect the same and prevent contact of the hands therewith.

The operation is as follows:—Motion is communicated to the crank shaft, whereby the bar N is raised and lowered, and the

head R, the arms and shoulders S' and the hands S follow the same, whereby the clothing R' is alternately extended upwardly and gathered downward, imparting to the figure of the clown the appearance of lengthening and shortening his body. The see-saw is operated, and the legs T rise and fall with the same as if the clown is working the see-saw. The horses are rocked, simulating galloping, and the figure Y is rotated over the figure V of the horse beneath the same, and simulates the turning of a somersault thereon.

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

1. In a toy of the character stated, a movable member, a figure thereon having legs, means for raising said member and permit the same to lower, a guide for said member, and a see-saw, the legs of said figure being pivoted respectively to said see-saw and guide and means for operating said movable member.

2. In a toy of the character stated, a movable member, a figure thereon, means for guiding said member, a see-saw, a bearing therefor, and means for operating the beam of the see-saw, said movable member being adapted to pass freely through said beam and means for operating said movable member.

3. In a toy of the character stated, a background, an oscillating figure, a crank axis for said figure mounted on said background, a plurality of links, a rotatable member, and a crank shaft carrying said member, said

links being connected respectively with said crank axis and with said member.

4. In a toy of the character stated, a background, an oscillating figure, an axle for said figure mounted on said back-ground, an endless cord passing around said axle, a guide pulley, a driving pulley, an endless cord adapted to be passed around said guide and driving pulleys, and means for rotating said driving pulley.

5. In a toy of the character stated, a plurality of oscillating figures having crank axes, bearings therefor, a pulley, a crank shaft carrying the same, and links pivotally connected with said pulley and with said crank axes.

6. In a toy of the character stated, a background, a rotatable figure adapted to simulate somersaulting, an axial pulley for said figure mounted on said background, and means for rotating said axial pulley from the driving shaft of the toy.

7. In a toy of the character stated, oscillating figures having crank axes, bearings for said axes, a pulley, means for rotating the same, links pivotally connecting said pulley with said axes, a rotatable figure adapted to simulate somersaulting, and means for actuating the same embodying endless cords passing respectively around said pulley and around the axis of said rotatable member.

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Witnesses:

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