

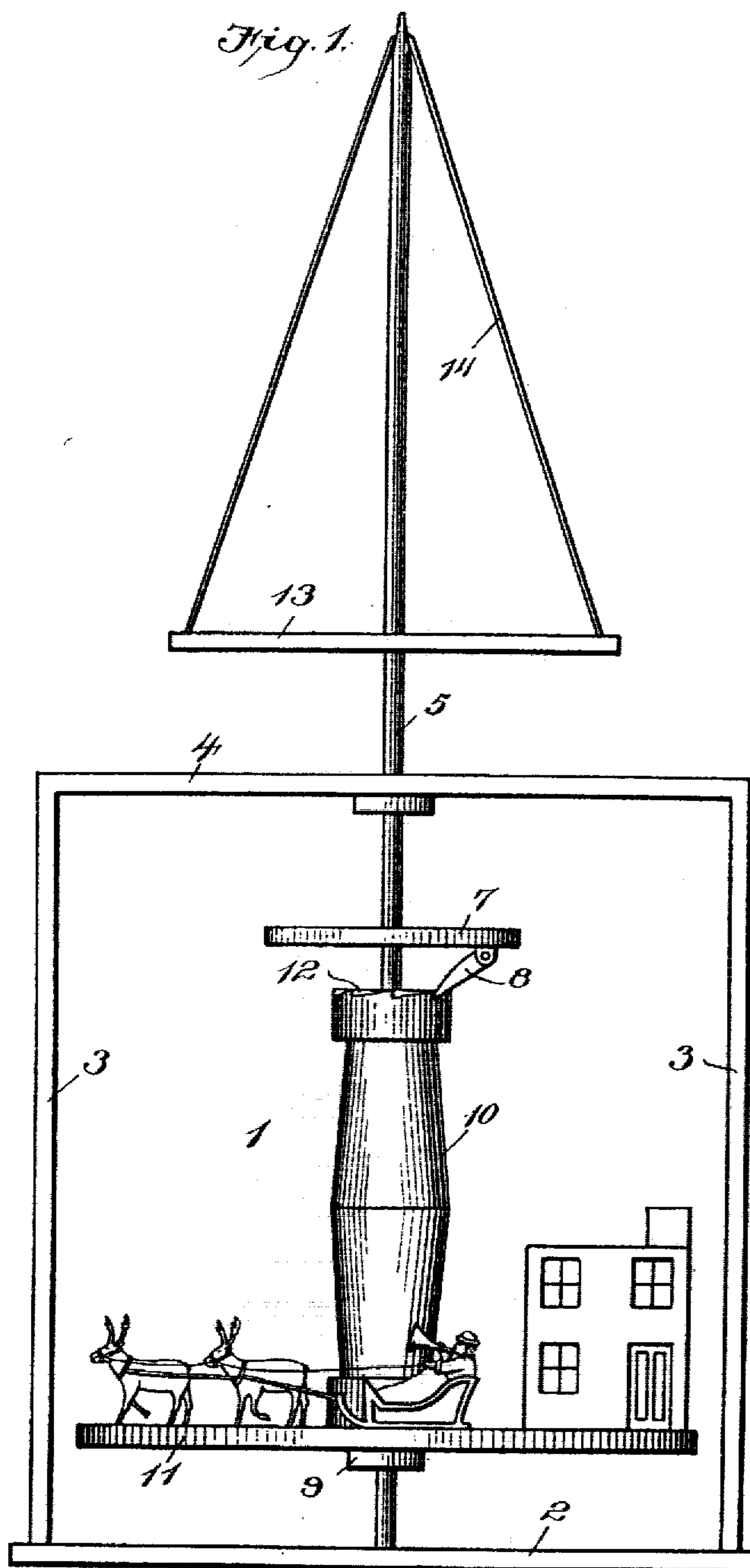
No. 815,410.

PATENTED MAR. 20, 1906.

Z. A. CURTIS.  
TOY.

APPLICATION FILED MAR. 30, 1905.

2 SHEETS—SHEET 1.



Inventor

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**Witnesses**

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2 SHEETS—SHEET 2.

Fig. 3.

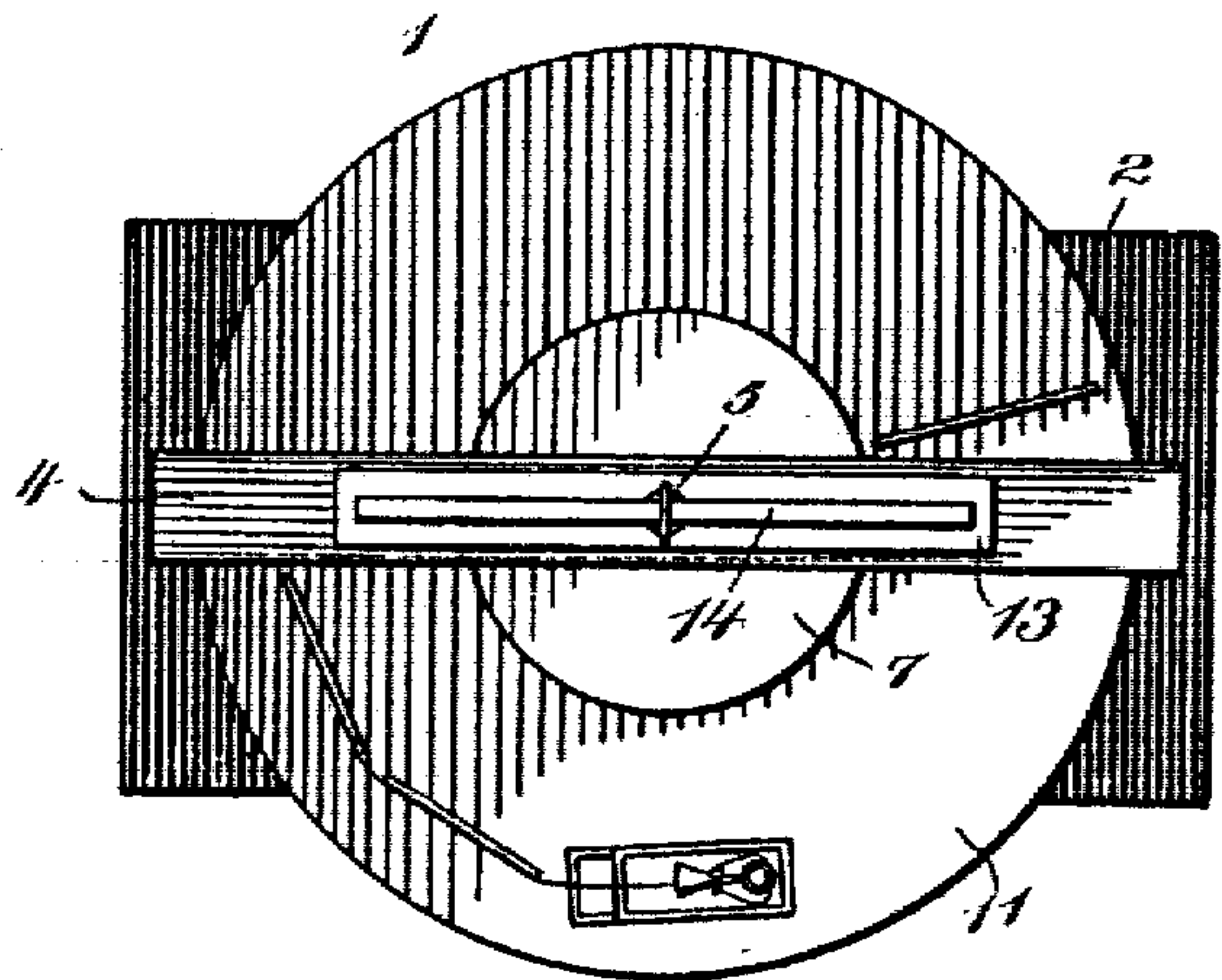


Fig. 2.

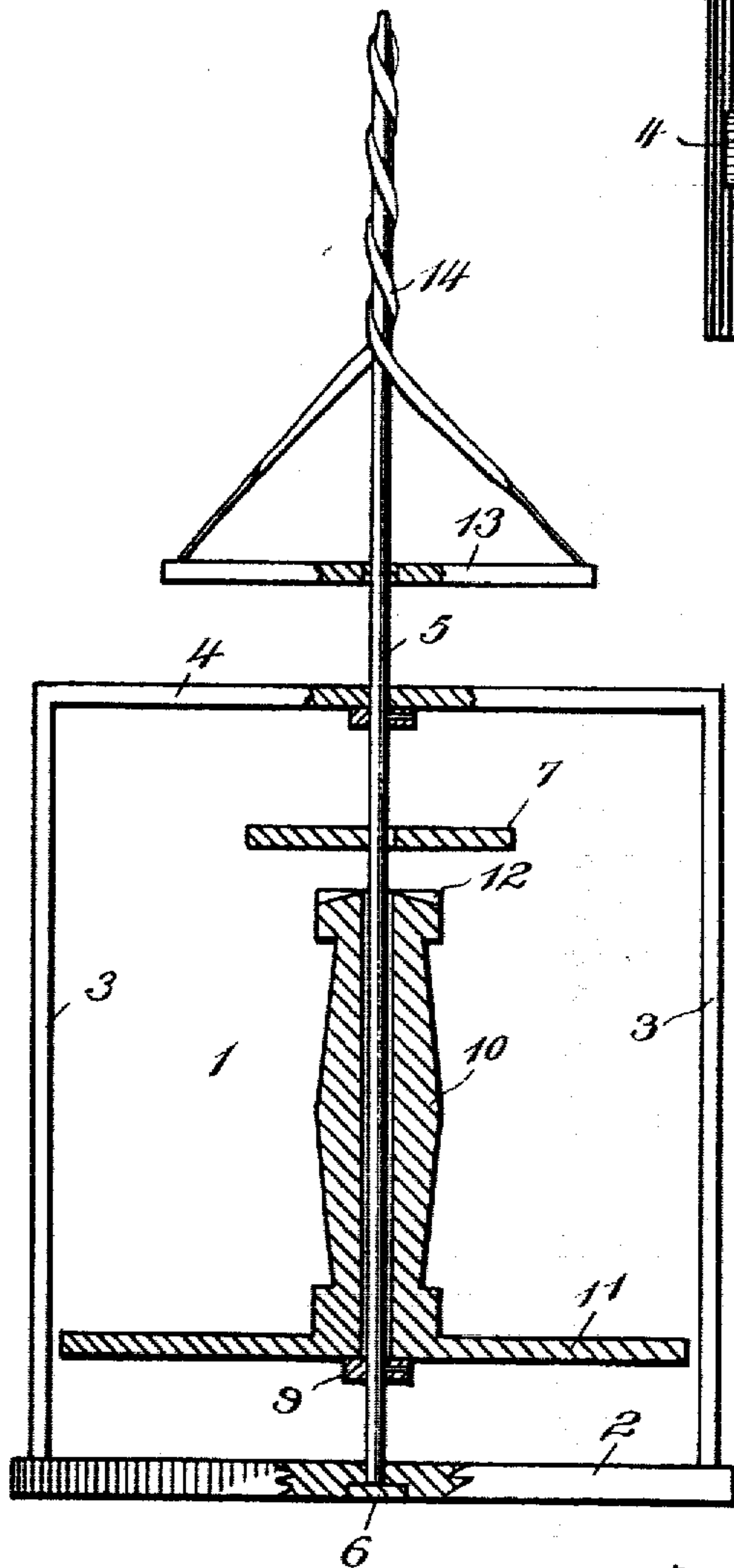


Fig. 4.

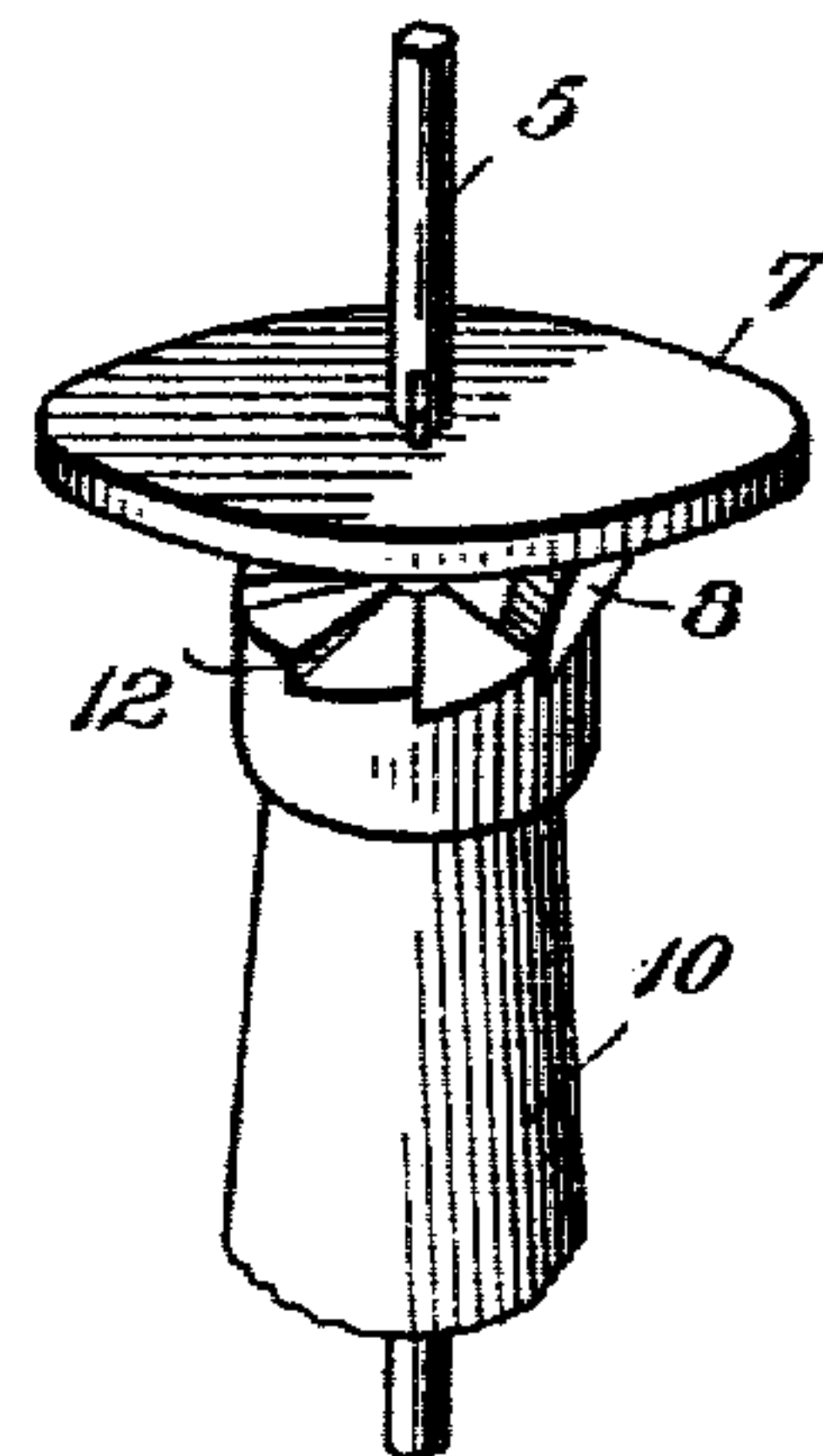


Fig. 5.



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# UNITED STATES PATENT OFFICE.

ZENAS ALBERT CURTIS, OF CHANNING, TEXAS.

## TOY.

No. 815,410.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed March 30, 1905. Serial No. 252,825.

*To all whom it may concern:*

Be it known that I, ZENAS ALBERT CURTIS, a citizen of the United States, residing at Channing, in the county of Hartley and State of Texas, have invented certain new and useful Improvements in Toys; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to the class of toys, but more particularly to whirligigs, and has for its object to provide a device of this class which comprises a rotatable platform carrying figures.

A further object of my invention is to provide a device of this class having a novel and simple means for rotating the platform.

With these objects in view my invention consists in the novel construction of the device, and more particularly in the means for operating and rotating the revoluble platform.

My invention also consists in the novel construction employed for causing the platform to rotate always in the same direction, which is preferably in the direction of the hands of a watch.

Referring to the accompanying drawings, Figure 1 is an elevation of the device. Fig. 2 is a view, partly in section, showing construction of device. Fig. 3 is a top plan view. Fig. 4 is a perspective view of ratchet-and-pawl arrangement, and Fig. 5 is a detail view of end of revolving operating-shaft.

Like numerals of reference indicate the same parts throughout the several figures, in which—

1 indicates the whirligig, which comprises the base 2, uprights 3, and cross-piece 4.

5 indicates a vertical shaft which enters the base 1 and rests upon a metal plate 6, so as to revolve without friction. Said shaft passes through the cross-piece 4, which supports shaft in its vertical position. Keyed to said shaft is a disk 7, upon the under side of which a pawl 8 is carried. Secured on the shaft 5 is a smaller disk 9, and 10 indicates a post which carries a large disk or platform 11, upon which figures are secured, as shown in Fig. 1, a small figure representing Santa Claus in a sleigh, blowing a horn and driv-

ing two deer, and a figure of a house, to which Santa Claus is driving. It is my intention to put a small musical device in the horn that will sound when the device is rotating. A series of ratchet-teeth 12 are formed on the head of the post 10, constructed to be engaged by the pawl 8 on the disk 7, as shown in Figs. 1 and 4.

13 indicates a bar loosely carried on the shaft 5, and 14 indicates a cord which is passed through the upper end of said shaft and fastened to the bar 13 at each end thereof.

Having thus fully described my invention, its operation is as follows: In order to set the machine in motion, the bar 13 is spun so as to wind the cord 14 around the shaft 5, as shown in Fig. 2. The fingers of the hand are then placed on the bar 13 on both sides of the shaft 5, and a downward pressure is exerted on said bar. This tends to unwind the cord and in so doing imparts a rotary motion to the shaft 5. The disk 7 and pawl 8 are also revolved, the pawl engaging the ratchet-teeth 12 on the head of the post 10, causing said post and platform 11 to rotate. As the cord is unwound from the shaft 5 the continued rotation of said shaft reversely winds up the cord. The bar 13 is again depressed, which rotates the shaft 5 in the opposite direction. In this instance, however, the pawl 8 simply slips over the ratchet-teeth on the post, allowing the disk or platform to continue to rotate in the same direction it originally had. However, on the following rotation of the shaft 5 the pawl 8 engages the teeth on the post and rotates said post and platform. Thus the platform and figures continue to rotate in the same direction, the rotating impulse being given at every other rotation of the shaft 5.

Having thus fully described my invention, I do not wish to be understood as limiting myself to the exact construction as herein set forth, as various slight changes may be made therein which would fall within the limit and scope of my invention, and I consider myself clearly entitled to all such changes and modifications.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. In a toy, the combination of a rotatable platform, a rotatable shaft, a cord on said shaft, a bar connected to said cord and carried on said shaft, a series of ratchet-teeth associated with said rotatable platform, and a

pawl connected to and rotated by said shaft to engage said ratchet-teeth to rotate said platform, substantially as described.

2. In a toy, the combination of a rotatable  
5 platform, a rotatable shaft, a cord carried on said shaft arranged to rotate said shaft in both directions a bar carried on said shaft and connected to said cord and means for transmitting the rotation of said shaft to said

rotatable platform to cause said platform to rotate in one direction, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ZENAS ALBERT CURTIS.

Witnesses:

W. C. STEPHENS,

T. E. WARD.