

C. N. BOURGIN.
MOVING PICTURE TOY.
APPLICATION FILED MAY 9, 1911.

Patented Jan. 9, 1912.

1,014,365.

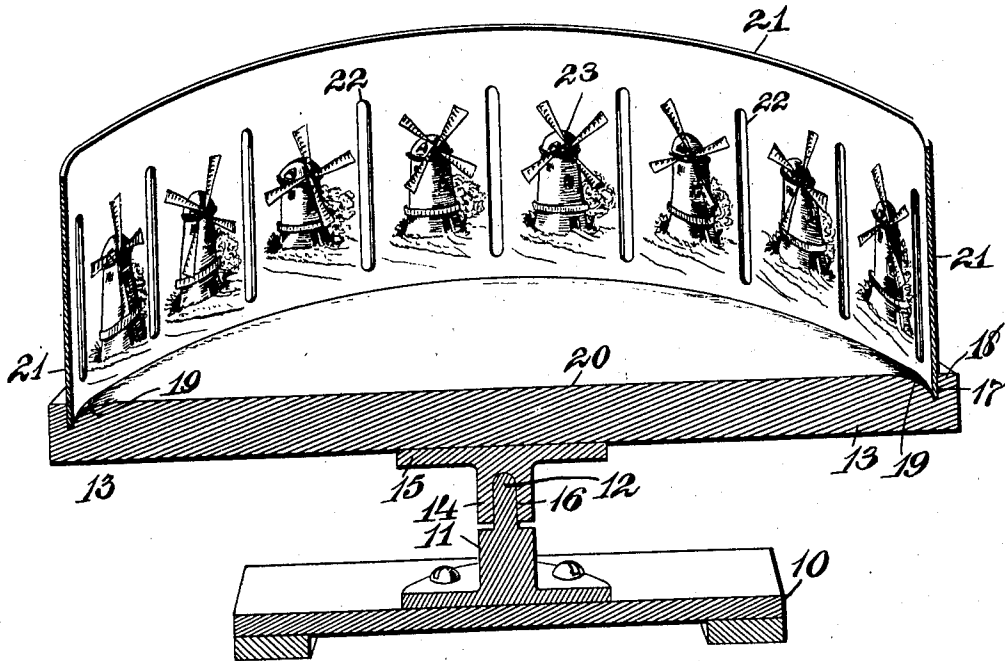


Fig. 1

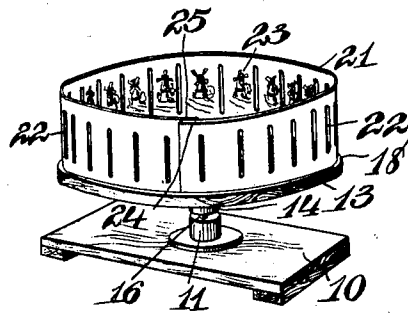


Fig. 2

WITNESSES:

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MOVING-PICTURE TOY.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES N. BOURGIN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Moving-Picture Toys; and I do hereby 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 figures of reference marked thereon, which form a part of this specification.

This invention relates to a toy in which successive pictures are presented to the eye by looking through a slit in the band on which the pictures are printed, the band being formed into a circular shape, these toys being commonly used as moving-picture toys.

The invention consists of a holder for the slitted band which permits the easy and quick insertion or removal of the bands, and one that is freely revolved so as to make its operation easy.

The invention consists of a base on which is arranged a revolving plate which is provided with a groove substantially perpendicular on its outside edge and being beveled or curved inwardly on its inside edge so that the band being normally flat has a spring action outward when it is twisted into a circular form, and when so curled or coiled on the plate, when it is released it will automatically open outward and descend the tapered portion of the groove and be seated in place. These bands are preferably made of stiff cardboard, but any suitable material can be used for the purpose.

My invention permits one band to be placed inside the other if desired, but in view of the fact that the toy is preferably used by putting the bands in the device successively, removing one before the other is inserted, this construction provides a quick change and permits a child using the toy on account of its simplicity, there being no tabs to be fitted into slots or similar fastenings to be employed. When the band is in place its ends slightly overlap so that it can be quickly grasped and be curled inward, but if desired it can be made so that the ends abut.

The invention is illustrated in the accompanying drawing, in which—

Figure 1 is a sectional perspective, the section being taken vertically through the center of the toy, and Fig. 2 is a reduced perspective view of the toy ready for use.

In the drawing 10 is the base which can be made of any suitable material, but it is preferably made of wood and has mounted thereon a standard 11 which is provided with a pin 12 extending upwardly therefrom. The platform of plate 13 has a flanged stud 14, the flange 15 of which is fastened to the bottom of the plate 13 and is recessed as at 16, the recess being shorter than the pin 12 so that the pin and the end of the recess, where they abut, take up the wear and thereby minimize the friction on account of the small surface engaged when the plate 13 is spun or rotated, as will be evident. The plate 13 has a groove 17, which groove is annular and extends in from the top of the plate 13 and forms a marginal bead 18, the wall of the groove 17 being perpendicular on the side toward the bead and being curved or tapered inwardly and upwardly as at 19, the top surface of the plate 13 within the curved wall 19 of the groove 17 being flat as at 20.

The removable bands 21, one of which is shown in the drawing, are provided with the slots 22, each band 21 having, between the slots or suitably disposed in any of the well known positions, a series of pictures 23 which are arranged so that they successively illustrate movement of the parts, the picture 23 in the present illustration being a windmill, and each successive picture shows the arms of the mill in a position that is progressed from the previous view so that when an operator spins or turns the plate 13, by looking through the slots 22 as they successively pass the eye, the pictures on the inside of the band on the opposite side are seen in succession and take on the appearance of moving pictures.

A band when it is to be put in place is taken from its flat position and is bent around to a smaller circumference than the groove 17 and is set down on the flat top of the base, and when released it automatically opens up and seats itself by descending outwardly and downwardly over the curved wall 19 and settles against the perpendicular outer wall of the recess 17, and resting

against the bead 18, is fastened in place. If it is not exactly seated at all points, a slight tap on the top edge will fix it in its position. When in position the two ends 24 and 25 of the band 21, shown in Fig. 2, slightly overlap so that neither of the ends obstructs the view through the slit next adjacent to the opposite end, but if desired, the bands can be made to abut. The overlapping ends, however, are preferred because they make a closed surface except for the slits 22, and thereby do not interfere with the continuity of the pictures, whereas if they abut a seam might open which at being rotated gives a blank space through which no picture is seen, and interferes with the pleasure of looking at the pictures.

The outside of the band 21 can be colored black if desired so as to bring out the pictures in better contrast.

Having thus described my invention, what I claim is:—

1. A moving-picture toy consisting of a plate having an annular groove near its outside edge, the groove having its outer wall substantially perpendicular to the plate and its inner wall curved toward the center of the plate, the top of the plate being flat, and a band having slits therein and having illustrations on the inside of the band visible through the slits when the band is formed into a ring, said band being adapted

to be placed in coiled position on the top of the plate and by its own spring action pass down over the curved wall of the groove and be seated therein.

2. A moving-picture toy consisting of a plate having a groove therein, the groove having its outer wall substantially perpendicular thereby forming a marginal bead and having its inner wall curved to extend inwardly and upwardly, means for rotatably mounting the plate, and a band having slits and pictures alternating on its inner face, the band being adapted to be curled on the top of the plate within the groove and when released to spring by its own action down over the curved wall of the groove and be seated therein.

3. A moving-picture toy consisting of a rotatable plate and an annular groove or depressed portion at its edge, and a slitted strip with pictures arranged on its inside surface arranged to be coiled on the plate and when expanding, being adapted to be seated in the depressed portion of the plate.

In testimony, that I claim the foregoing, I have hereunto set my hand this 5th day of May 1911.

CHARLES N. BOURGIN.

Witnesses:

WM. H. CAMFIELD,

M. A. JOHNSON.