Oct. 20, 1925.

1,558,329

B. J. ASSENDRUP

TOY

Filed March 10, 1923

4 Sheets-Sheet 1

Fig. 1.

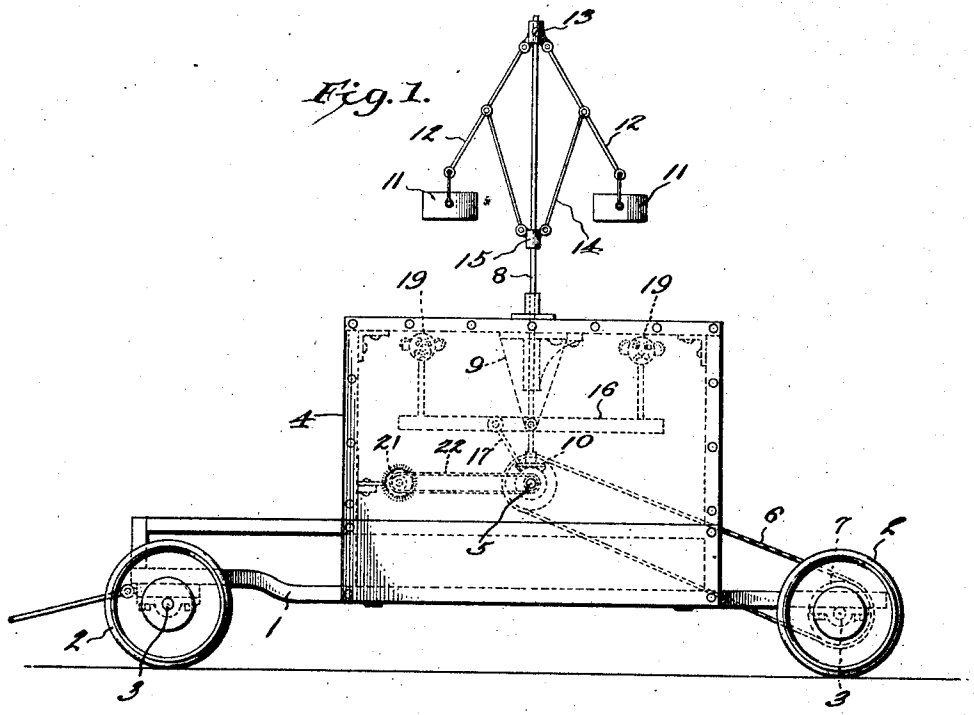
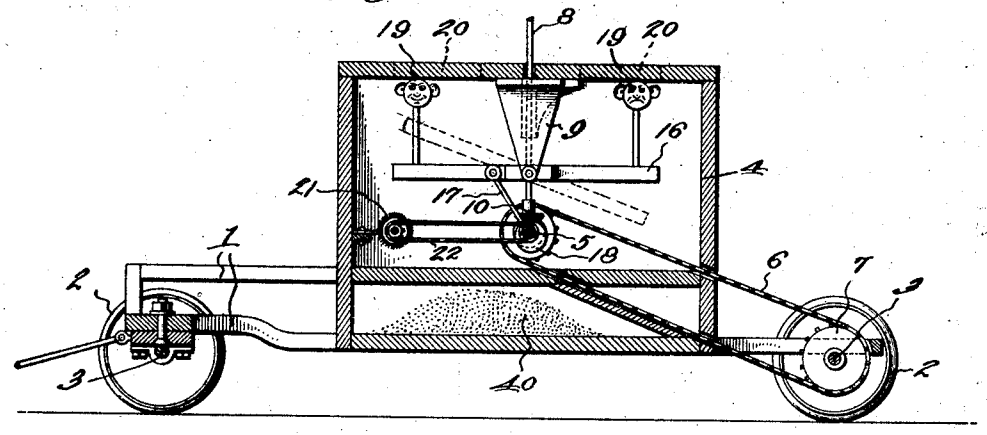


Fig. 2.



B. J. Assendrup,

INVENTOR

BY Victor J. Evans

ATTORNEY

Wm. Mary Darrall

WITNESSES

Oct. 20, 1925.

B. J. ASSENDRUP

1,558,329

TOY

Filed March 10, 1923

4 Sheets-Sheet 2

Fig. 3.

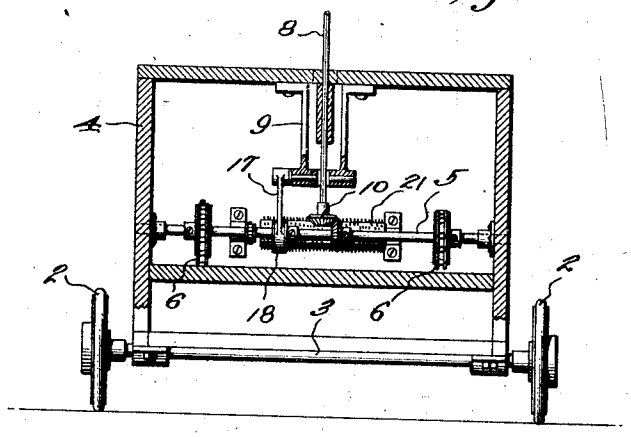
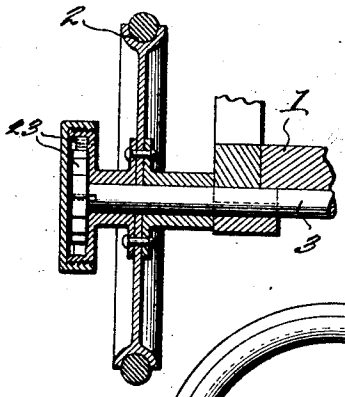


Fig. 4.

Fig. 5.



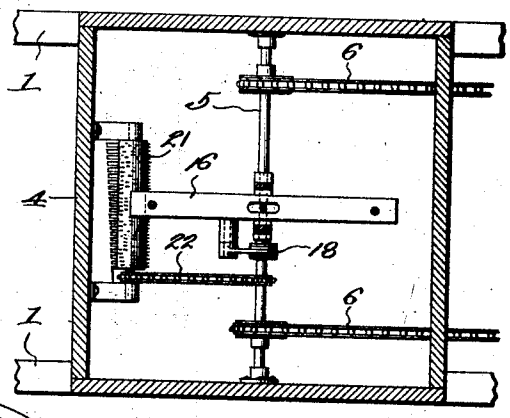
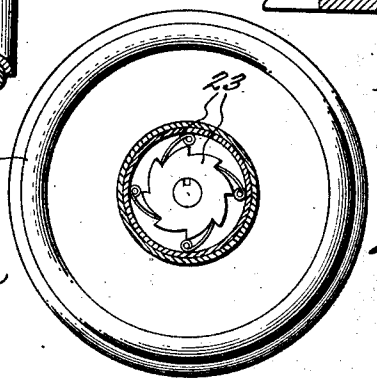


Fig. 6.



W. MacDonald

WITNESSES

B. J. Assendrup

INVENTOR

BY Victor J. Evans

ATTORNEY

Oct. 20, 1925.

1,558,329

B. J. ASSENDRUP

TOY

Filed March 10, 1923 4 Sheets-Sheet 3

Fig. 7.

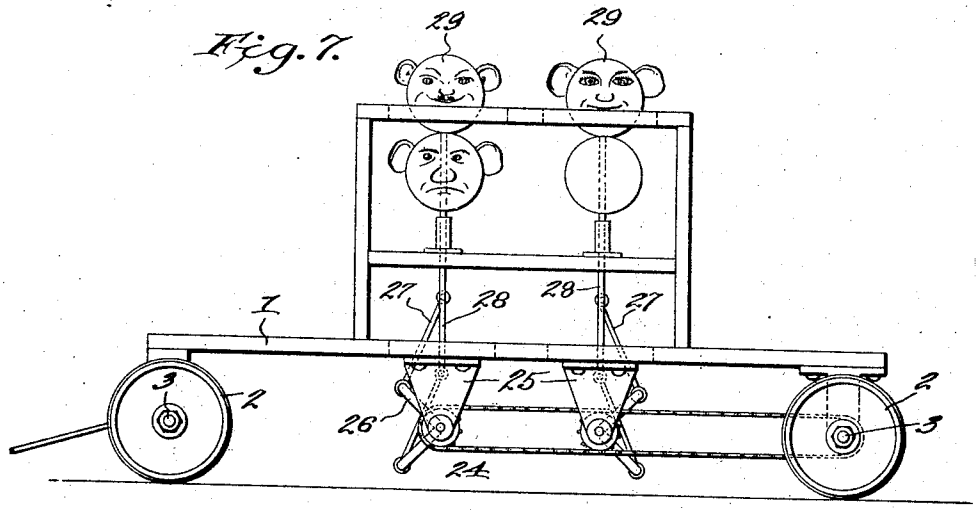


Fig. 8.

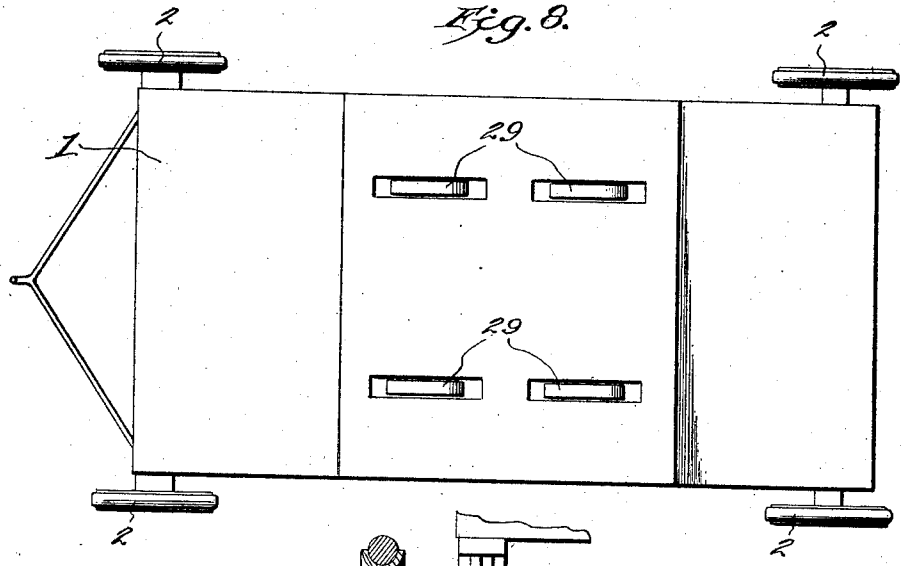
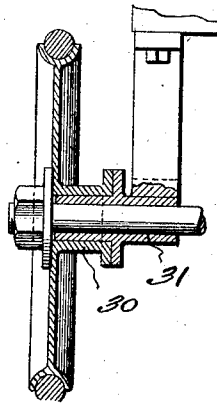


Fig. 9.



M. Mae. Durall.

WITNESSES

B. J. Assendrup

INVENTOR

BY Victor J. Evans

ATTORNEY

Oct. 20, 1925.

1,558,329

B. J. ASSENDRUP

TOY

Filed March 10, 1923 4 Sheets-Sheet 4

Fig. 10.

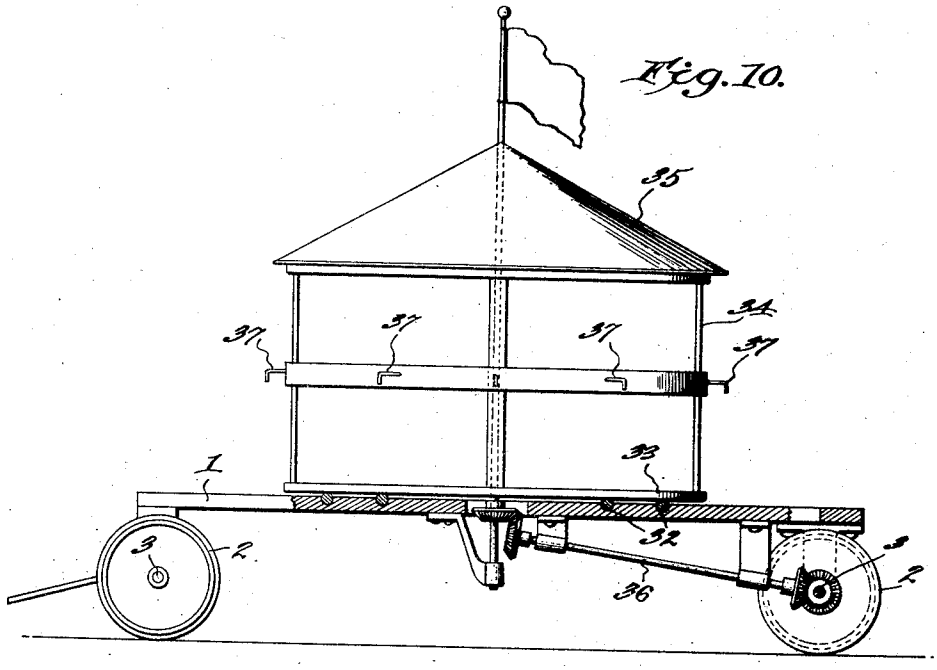


Fig. 12.

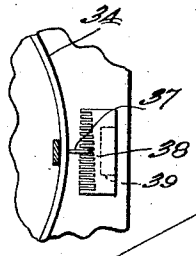


Fig. 11.

B. J. Assendrup
INVENTOR

BY Victor J. Evans
ATTORNEY

W. Mais. Duvall

WITNESSES

Patented Oct. 20, 1925. 1,558,329

UNITED STATES PATENT OFFICE.

BERNARD J. ASSENDRUP, OF TWIN FALLS, IDAHO.

TOY.

Application filed March 10, 1923. Serial No. 624,289.

To all whom it may concern:

Be it known that I, BERNARD J. ASSENDRUP, a citizen of the United States, residing at Twin Falls, in the county of Twin Falls and State of Idaho, have invented new and useful Improvements in Toys, of which the following is a specification.

This invention relates to a toy, the general object of the invention being to provide movable parts which are actuated by drawing the toy along a floor or other surface.

Another object of the invention is to provide means for actuating a musical device which forms part of the toy.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view of one form of the invention.

Figure 2 is a longitudinal sectional view through Figure 1.

Figure 3 is a transverse sectional view thereof.

Figure 4 is a horizontal sectional view through the body.

Figure 5 is a detail sectional view showing the means for connecting one of the drive wheels with its axle.

Figure 6 is a sectional view through 6—6 of Figure 5.

Figure 7 is a side view of a modification.

Figure 8 is a plan view of this modification.

Figure 9 is a detail sectional view showing another method of connecting a wheel with its shaft.

Figure 10 is a side view with parts in section of another modification.

Figure 11 is an end view of Figure 10.

Figure 12 is a horizontal sectional view on the line 12—12 of Figure 11.

Referring to Figures 1 to 6 which show the first form of the invention 1 indicates a frame which is supported by the wheels 2 which are carried by the axles 3. A housing 4 is supported by the frame and a horizontal shaft 5 is rotatably mounted in the housing and is connected with the rear axle by means of the chain 6 and the sprockets 7 so that said shaft will be rotated when the device is pulled along. A vertical shaft 8 has its lower part passing into the housing where it is rotatably supported by the bracket 9. This shaft is connected with the shaft 5 by the bevel gears 10 and the upper end of said shaft has connected therewith the baskets or cars 11 which are supported by the arms 12 pivotally connected to a sleeve 13 which is connected with the upper end of the shaft, the arms being provided with braces 14 which are pivoted to a sleeve 15 slidably mounted on the shaft. Thus when the shaft is rotated the baskets or cars will swing outwardly and upwardly so as to give the effect of a merry-go-round. A seesaw 16 is pivoted to the bracket 9 and is connected by the link 17 with the eccentric 18 on the shaft 5 so that the seesaw will be rocked when the shaft 5 is rotated. Figures 19 are connected with the ends of the seesaw and are arranged to appear and disappear through openings 20 formed in the top of the housing. A musical device 21 is supported in the housing and this device is actuated from the shaft 5 through the chain and sprockets, indicated generally at 22.

I prefer to connect the rear wheels with the rear shaft by the ratchet mechanism 23 so that the wheels will rotate the shaft when the device is pulled forwardly but will not move the shaft when the device is backed or is moved in an opposite direction. This ratchet mechanism also insures the wheels rotating the shaft and prevents them from slipping thereon.

From the above it will be seen that as the wagon or device is drawn along a surface the parts will be actuated so that the merry-go-round will revolve and the figures on the seesaw will appear and disappear through the openings in the housing and the musical device will be sounded.

In the modification shown in Figures 7, 8 and 9, the rear shaft is connected by a belt or chain with a pair of shafts 24 which are rotatably supported by the brackets 25 upon the bottom of the device. These shafts are each provided with a pair of cranks 26 which are connected by the rods 27 with the vertically arranged shafts 28 which are slidably mounted in the housing and which have figures 29 at their upper ends which are arranged to appear and disappear

through the openings made in the top of the housing. In this arrangement as the crank shafts are rotated through the movement of the device the rods 28 will be reciprocated, thus causing the figures at the upper ends thereof to pass through the openings in the housing and then move downwardly into the housing again.

In this modification the rear wheels are connected with the rear shaft by means of the hubs 30 being forced over the spindles 31 which are rotatably mounted in the frame and through which the ends of the axles pass.

In the form shown in Figures 10, 11 and 12 the frame is made flat and carries the rings 32 upon which the base 33 of a circular frame 34 rests. The frame is provided with a conical part 35 and the entire device including the base, the frame and the top is rotated upon the rings by means of the shaft 36 which is geared to the rear axle and to a part of the base. Bent fingers 37 are placed on a part of the frame 34 and these fingers are arranged to engage a comb 38 which is supported by an upright 39 so that the fingers passing over the teeth of the comb will produce a musical sound as the device is rotated by the toy being pulled along a surface.

Whenever necessary I may place sand or the like in the body of the device, as shown at 40, so as to add weight to prevent the rear wheels from dragging and not rotating.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A toy of the class described comprising a wheeled frame, a housing thereon having openings in its top, a horizontal shaft journaled in the housing, means for driving said shaft from one of the wheels of the frame, a vertically arranged shaft passing through the top of the housing, gears connecting the same with the horizontal shaft, arms pivotally connected with the top of the vertical shaft, baskets connected with the lower ends of the arms, a collar slidably mounted on the vertical shaft, links pivoted to the collar and to the arms, a hanger in the housing, a see-saw pivoted to the hanger, an eccentric on the horizontal shaft, a link connected with the eccentric strap and with the see-saw, figures carried by the see-saw and adapted to appear and disappear through the openings in the top of the housing when the see-saw is actuated, a musical device and means for actuating the same from the horizontal shaft.

In testimony whereof I affix my signature.

BERNARD J. ASSENDRUP.