J. KALAMEN.

RUNABOUT RATTLING TOY.

APPLICATION FILED JAN. 6, 1920.

1,361,386. Patented Dec. 7, 1920.

FIG. 1.

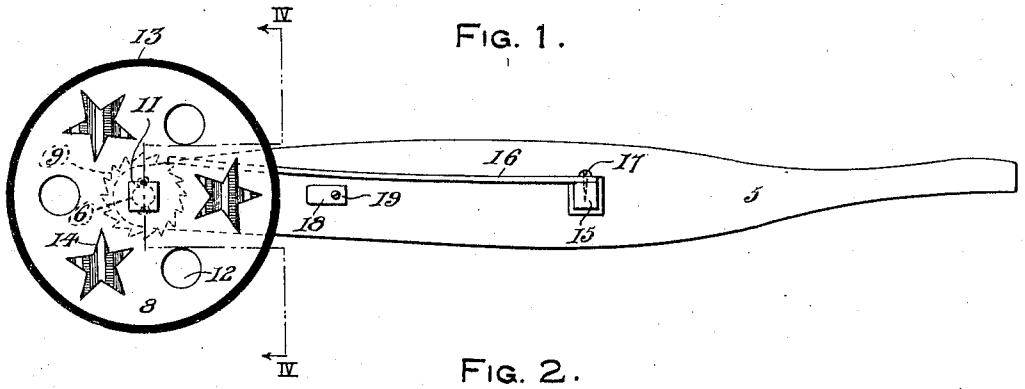


FIG. 2.

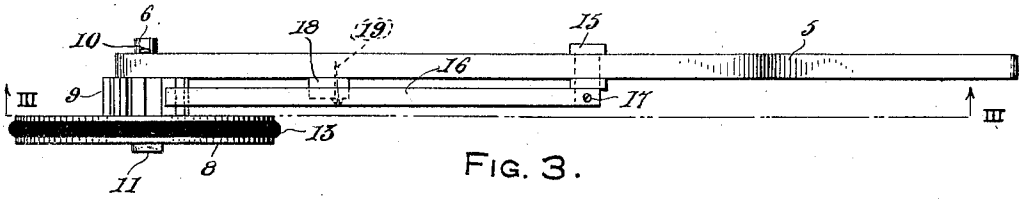


FIG. 3.

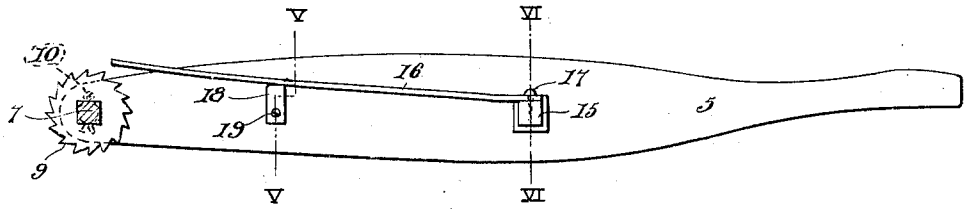


FIG. 4.

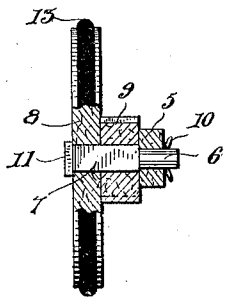


FIG. 5.

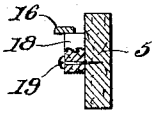
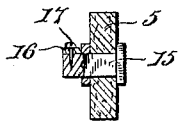


FIG. 6.



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RUNABOUT RATTLING TOY.

1,361,386. Specification of Letters Patent. Patented Dec. 7, 1920.

Application filed January 6, 1920. Serial No. 349,713.

To all whom it may concern:

Be it known that I, JOHN KALAMEN, a citizen of the United States of America, residing at Perth Amboy, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Runabout Rattling Toys, of which the following is a specification.

This invention relates to certain new and useful improvements in runabout rattling toys of that type which embody a ratchet wheel whose teeth are adapted to be forcibly engaged by the free end of a resilient strip so that when the ratchet wheel is rotated, a rattling or rapid succession of clicking sounds is produced.

The primary object of the present invention is to provide a toy of the present kind in the form of a one hand runabout rattler adapted for producing noise, the intensity of which depends upon the rapidity with which the device is caused to travel over the ground.

A further object of the invention is to provide a novel form of ground engaging wheel for a runabout rattling toy having a series of spaced openings transversely therethrough so as to make distinct sound waves of the sound produced by the rotation of the ratchet wheel when the resilient strip engages the same.

A still further object of the present invention is to provide simple and efficient means for moving the resilient strip out of engagement with the ratchet wheel whenever desired.

Another object of the invention is to provide a noise producing toy that is simple in plan of construction and easy and inexpensive to manufacture.

With the above general objects in view and others that will become apparent as the nature of the invention is better understood, the same consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the accompanying drawing wherein like reference characters indicate corresponding parts throughout the several views,

Figure 1 is a side elevational view of a rattling toy constructed in accordance with the present invention,

Fig. 2 is a top plan view thereof,

Fig. 3 is a sectional elevational view taken substantially upon line III—III of Fig. 2, but with the resilient strip disengaged from the ratchet wheel,

Fig. 4 is a transverse sectional view taken substantially upon line IV—IV of Fig. 1 to illustrate the mounting of the ratchet and ground engaging wheels,

Fig. 5 is a transverse sectional view taken substantially upon line V—V of Fig. 3 and showing the means for retaining the free end of the resilient strip out of engagement with the ratchet wheel, and

Fig. 6 is a transverse sectional view taken substantially upon line VI—VI of Fig. 3 to illustrate the mounting of the fixed end of the resilient strip.

Referring more in detail to the several views, the present invention embodies a single handle member 5 which is suitably shaped at its free end in order to be readily grasped by the hand. The other end of the handle member 5 is provided with a transverse circular opening in which a stub shaft 6 is journaled, said stub shaft being squared as at 7 where the same projects from one side of the handle member 5 to fit into correspondingly shaped openings provided in the centers of the ground engaging wheel 8 and the ratchet wheel 9. The stub shaft 7 is retained in the handle member 5 by any suitable means such as a cotter pin 10 and the outer end of the same is headed as at 11 to retain the wheels 8 and 9 thereon. The ground wheel 8 is preferably formed from a solid piece of wood and transversely provided with circular openings 12 at suitable intervals for a purpose which will presently become apparent. If desired, the wheel 8 may be provided with a cushion tire 13 so as to prevent marring of floors should a child desire to play with the same indoors, and the side faces of the wheel 8 may be provided with suitable colored figures 14 which are merely provided to make the toy somewhat ornamental in appearance.

A suitable squared and headed pin 15 is passed through a square aperture which is provided in the handle member 5 slightly rearwardly of the longitudinal center thereof so that the free end of said pin projects laterally of the handle member 5 substantially in alinement with the ratchet wheel 9 which is disposed upon the shaft 6 between the wheel 8 and the handle member 5. A suitable resilient strip 16, preferably of thin wood has its rear end rigidly fastened to the projecting end of the pin 15 as at

17 and extends forwardly so that its free end terminates adjacent the ratchet wheel 9. The strip 16 normally tends to straighten so that its free end forcibly bears upon the teeth of the ratchet wheel 9, and a small elongated block 18 is pivoted as at 19 to the adjacent side of the handle member 5 in such manner that when said block is swung to a vertical position the same engages the strip 16 and raises the free end of the latter out of engagement with the ratchet wheel 9. The block 18 will thus retain the strip 16 inoperatively disposed whenever it is desired to use the toy and dispense with the production of sound, as shown in Fig. 3. On the other hand, when the block 18 is horizontally disposed as shown in Fig. 1, the free end of the strip 16 is in engagement with the ratchet wheel 9 so that when the latter is rotated a clicking or rattling sound is produced as is usual and well known in this class of toys.

By providing the circular openings 12 through the ground engaging wheel 8, I have found that distinct sound waves are produced when the ratchet wheel is rotated so that its teeth click past the free end of the strip 16.

Briefly described, the use of my invention may be stated as follows:—

With the device assembled as shown in Fig. 1, the wheel 8 is placed upon the ground and the handle 5 is grasped in one hand whereupon forward movement is imparted to the toy. This causes rotation of shaft 6 and the wheels 8 and 9 carried thereby so that as the teeth of the wheel 9 pass the free end of the strip 16 a rapid succession of loud clicks is produced which are amplified by the adjacent openings 12 of the wheel 8.

In view of the foregoing description, it is believed that the construction and manner of use as well as the advantages of the present toy will be readily understood and appreciated by those skilled in the art.

It is to be understood that minor changes may be made in the detailed construction of the several parts as well as the combination and arrangement thereof without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

A runabout rattling toy comprising a handle member having a pin secured therethrough near the longitudinal center thereof, a resilient strip disposed beside and longitudinally of the handle member with its rear end rigidly fastened to said pin, a ground engaging wheel rotatably mounted upon the forward end of the handle member, a ratchet wheel rotatable with the ground engaging wheel, the free forward end of said resilient strip normally forcibly engaging the teeth of said ratchet wheel, and means to move and retain the free end of said resilient strip out of engagement with the teeth of said ratchet wheel, said last named means comprising an elongated block pivotally mounted upon one side of the handle member and movable to allow the resilient strip to normally engage the teeth of the ratchet wheel.

In testimony whereof I affix my signature.

JOHN KALAMEN.