

No. 820,182.

PATENTED MAY 8, 1906.

J. R. CRISTE.
TOY.

APPLICATION FILED APR. 20, 1905.

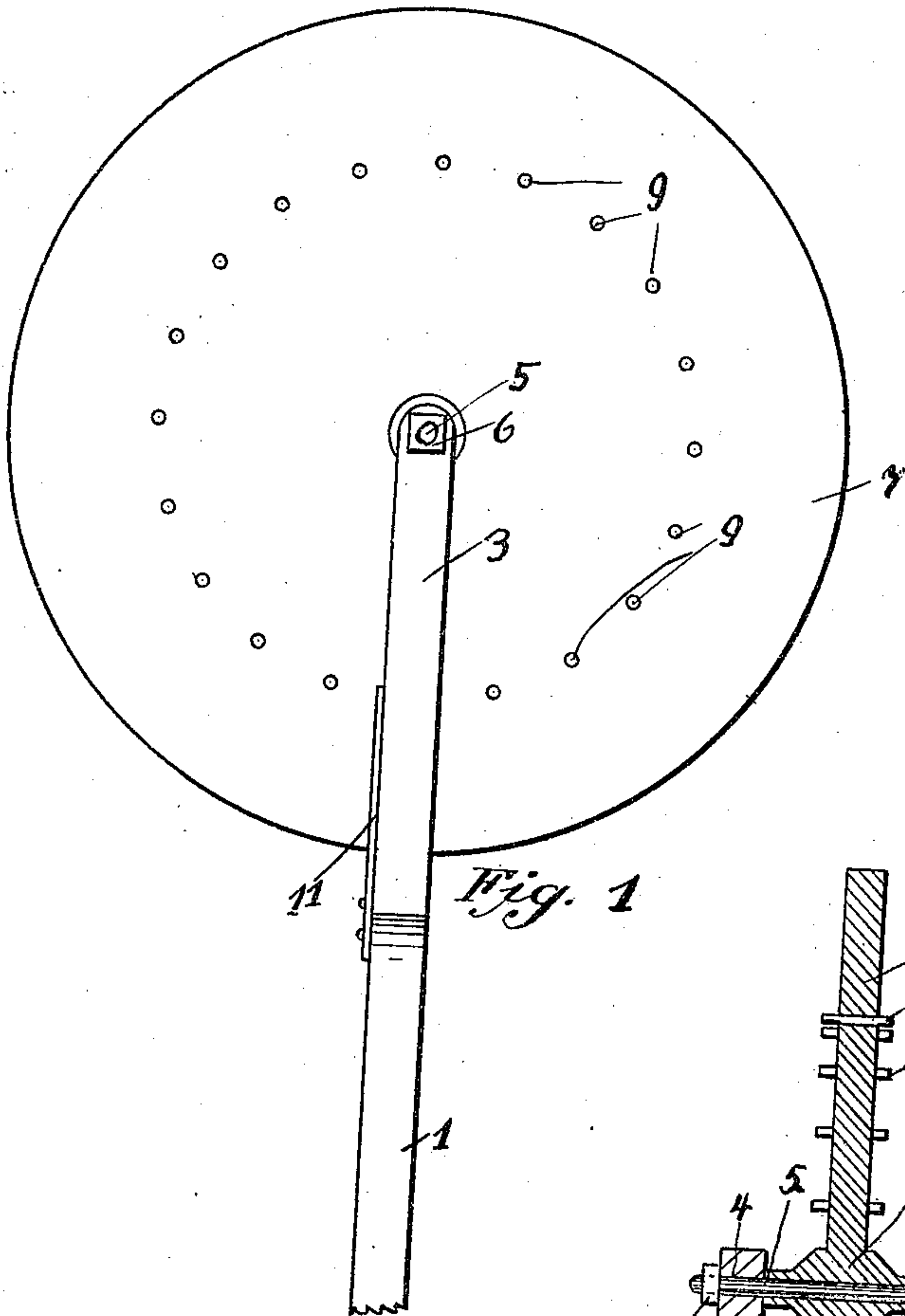


Fig. 1

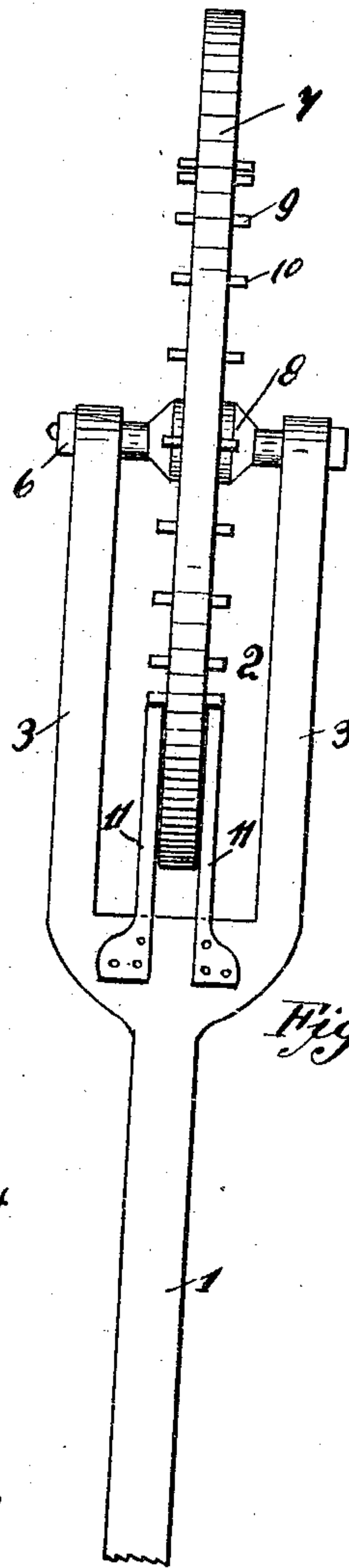


Fig. 2

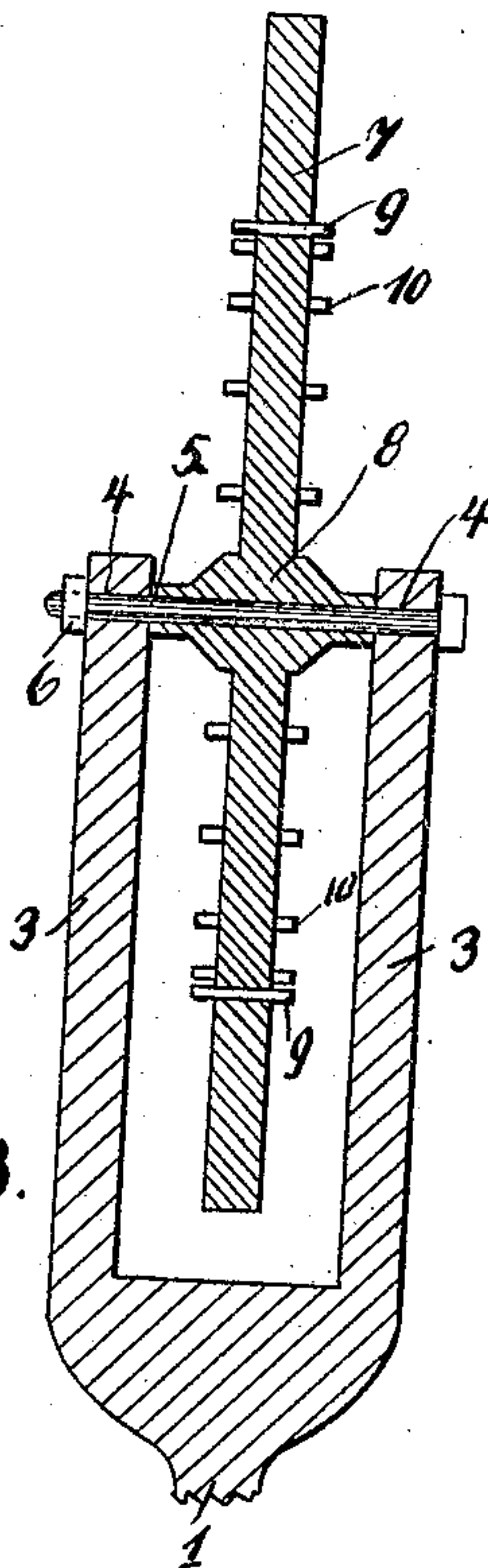


Fig. 3.

Witnesses.
C. A. Rosoloff
K. H. Butler

Inventor.
James R. Criste.
By A. C. Everett & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

JAMES R. CRISTE, OF BRADDOCK, PENNSYLVANIA.

TOY.

No. 820,182.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed April 20, 1905. Serial No. 256,584.

To all whom it may concern:

Be it known that I, JAMES R. CRISTE, a citizen of the United States of America, residing at Braddock, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in toys, and relates more particularly to that character of toys adapted to be moved over the ground or surface to actuate the same.

The object of the invention is to provide a novel form of toy which can be moved across a surface to produce successive sounds. The toy is adapted to produce a rattling noise when rapidly propelled across a surface and is intended as an amusement device for the juvenile class.

The invention aims to provide a toy which will be extremely simple in construction, strong and durable, comparatively inexpensive to manufacture, and highly efficient for producing a rattling noise.

The invention finally consists in the novel construction, combination, and arrangement of parts, which will be hereinafter more fully described and then specifically pointed out in the claim, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved toy. Fig. 2 is an edge view of the same, and Fig. 3 is a vertical transverse sectional view of the toy.

In the accompanying drawings I have illustrated my improved toy as consisting of a suitable pole or rod 1, having a bifurcated end 2, forming parallel arms 3 3. The ends of said arms are pierced, as indicated at 4 4, to receive a bolt 5, carrying a nut 6. Upon the bolt 5 is journaled a wheel or disk 7, having a pierced hub portion 8, through which the bolt 5 passes. The wheel 7 is provided with a plurality of circumferentially - arranged pins 9, said pins being arranged, preferably, nearer the periphery of the wheel than the hub portion 8 thereof. The pins 9 extend outwardly upon each side of the wheel, as indicated at 10. At the base of the arms 3 3 I mount resilient arms 11 11, extending upwardly upon each side of the wheel or disk 7,

parallel with the arms 3 3. The ends of the resilient arms are adapted to lie in the path of the pins 9 9, and the ends of said arms are adapted to engage the protruding ends of said pins as the disk or wheel is revolved.

In operation the protruding ends of the pins 9 9 serve functionally as teeth to engage the ends of the arms 11 11, lying in the path of travel of said pins. When the toy is gripped by the pole or rod 1 and passed over the ground or a similar surface, the disk or wheel 7 revolves, causing the protruding ends of the pins 9 to frictionally engage the ends of the resilient arms 12 12. As the ends of the pins engage said arms the arms are forced rearwardly and upon being released by the pins rebound to their normal position, striking the next succeeding pin and causing a sound to be emitted. By rapidly propelling the toy a plurality of sounds are emitted from the toy, producing a rattling noise.

The tones of the sounds produced by my improved toy can be regulated by either forming the pins of different metals or by the resiliency of the arms 11 11 used in connection with the toy.

I do not care to confine myself to the size or shape of my improved toy nor to the number of resilient arms being used in connection with the same, as it is obvious that resilient arms may be placed upon the opposite side of the toy to produce a still louder and more boisterous noise.

It will be noted that various changes may be made in the details of construction without departing from the general spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

A toy of the character described consisting of a pole, a disk journaled at the end of the pole, a plurality of outwardly-extending pins circumferentially arranged in the disk, said pins being each formed of a different material from the others and adapted when struck to produce each a tone different from the tones of the other pins and a spring attached to the pole and adapted to successively contact with said pins when the disk is revolved.

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

JAMES R. CRISTE.

Witnesses:

H. C. EVERT,
E. E. POTTER.