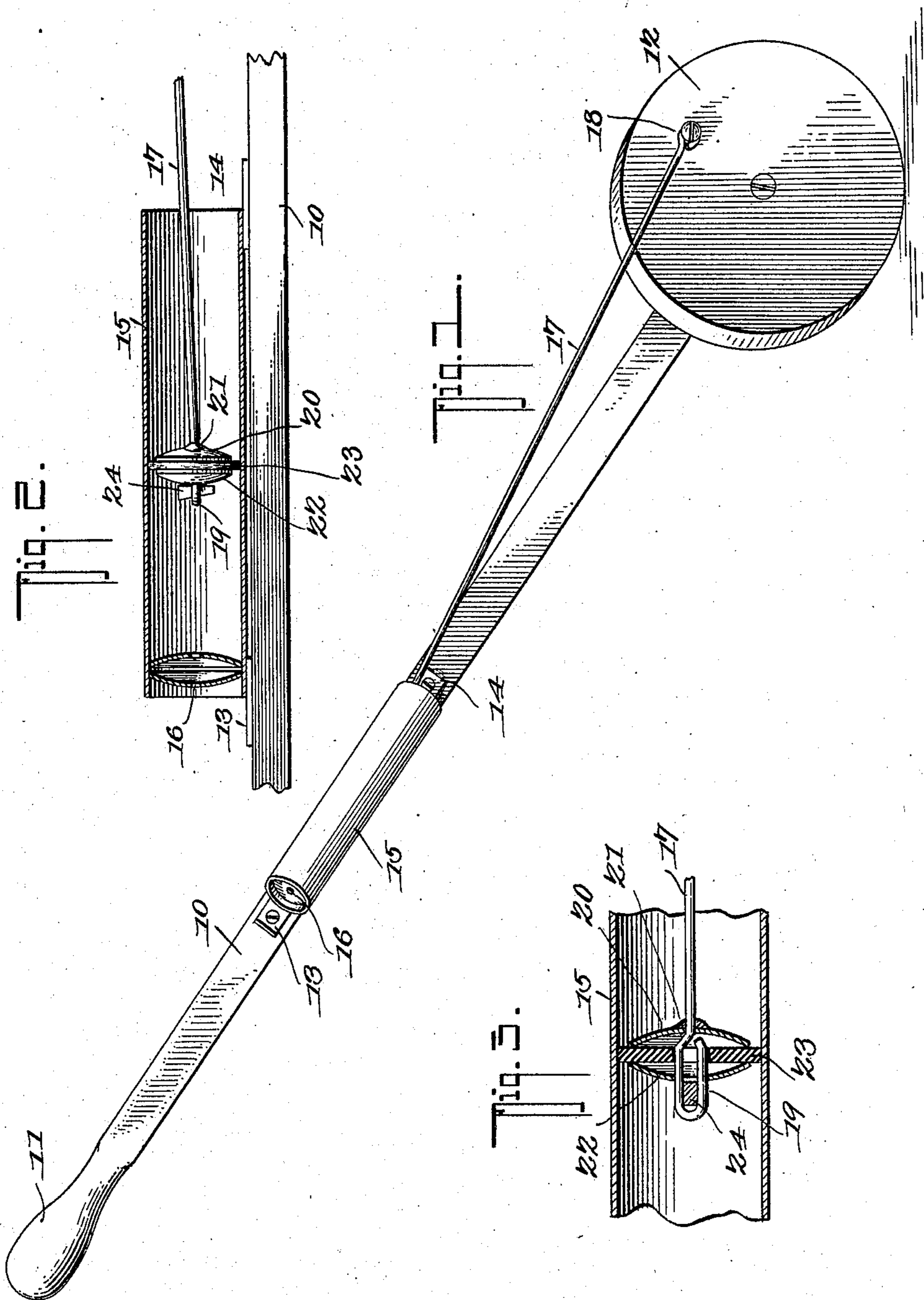


No. 815,667.

PATENTED MAR. 20, 1906.

W. D. WINGER.
TOY.

APPLICATION FILED MAR. 17, 1905.



Witnesses
E. J. Stewart
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UNITED STATES PATENT OFFICE.

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TOY.

No. 815,667.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM D. WINGER, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Toy, of which the following is a specification.

This invention relates to toys, and has for its object to produce a simply-constructed and easily-operated device which may be inexpensively manufactured and will amuse and interest children.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a perspective view of the improved device. Fig. 2 is an enlarged sectional view of the cylinder, whistle, and plunger. Fig. 3 is an enlarged sectional detail illustrating the construction of the plunger or piston head and the manner of coupling to the piston-rod.

The improved device comprises a stock or bar 10, having a handle 11 at one end and a wheel 12, mounted for rotation, at the other end. Connected to the bar 10, as by brackets 13 14, is a cylinder 15, with a whistle 16 at one end and open at the other end. A connecting-rod 17 is pivoted at 18 to the wheel 12 and extends into the cylinder 15 and terminates at its free end in a loop 19. Rigidly connected to the rod 17 next to the loop 19, as by soldering, (represented at 21,) is a concave plate 20, and slidably engaging the loop 19 is a similar concave plate 22, the concave faces of said plates being disposed toward each other for engagement with a packing-disk 23, of rubber or similar flexible ma-

terial, interposed between said plates, as shown. A wedge-key 24 is inserted into the loop exteriorly of the outer plate 22 to bind the three parts firmly together. By this simple means a very efficient piston member is produced which will closely engage the interior walls of the cylinder when moved there-through and forcibly expel the air through the whistle member when moved in one direction and draw the air through said whistle when moved in the opposite direction.

It will be obvious that as the device is trundled over the ground the rotation of the wheel 12 will actuate the plunger and cause the whistle to sound twice during each revolution of the wheel and will operate equally as well whether the wheel be drawn over the ground or pushed over the same, as it is immaterial in which direction the wheel is moved, as the whistle will be sounded regardless of the direction of motion.

The device may be of any size and constructed of any suitable materials and can be very cheaply manufactured, as will be obvious.

Having thus described the invention, what is claimed is—

1. A toy of the class described comprising a handle member having a wheel mounted for rotation at one end thereof, a cylinder secured to said handle and having one end thereof open and its opposite end provided with a whistle, a rod pivotally connected with the wheel and having its free end disposed within the cylinder, a concaved plate attached near the free end of said rod, a second concaved plate slidably mounted on the rod and spaced from the first-named plate, a flexible disk interposed between said plates and engaging the interior walls of the cylinder, and means carried by the rod for retaining the plates in engagement with said disk.

2. A toy of the class described comprising a handle member having a wheel mounted for rotation at one end thereof, a cylinder connected to said handle member and having one end thereof open and its opposite end provided with a whistle, a rod pivotally connected to said wheel and having its free end disposed within said cylinder and terminating in a loop, a concaved plate attached near the free end of the rod, a second concaved

plate slidably mounted on said rod and spaced from the first-named plate, a flexible disk interposed between said concaved plates and bearing upon the interior walls of the
5 cylinder, and a wedge-shaped key engaging said loop and slidable plate for retaining said plates and flexible disk upon the rod.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM D. WINGER.

Witnesses:

JEANETTE R. LONG,
CHAS. E. LONG.