

J. L. M. Du FOUR,
Toy Wind-Wheel.

No. 214,895.

Patented April 29, 1879.

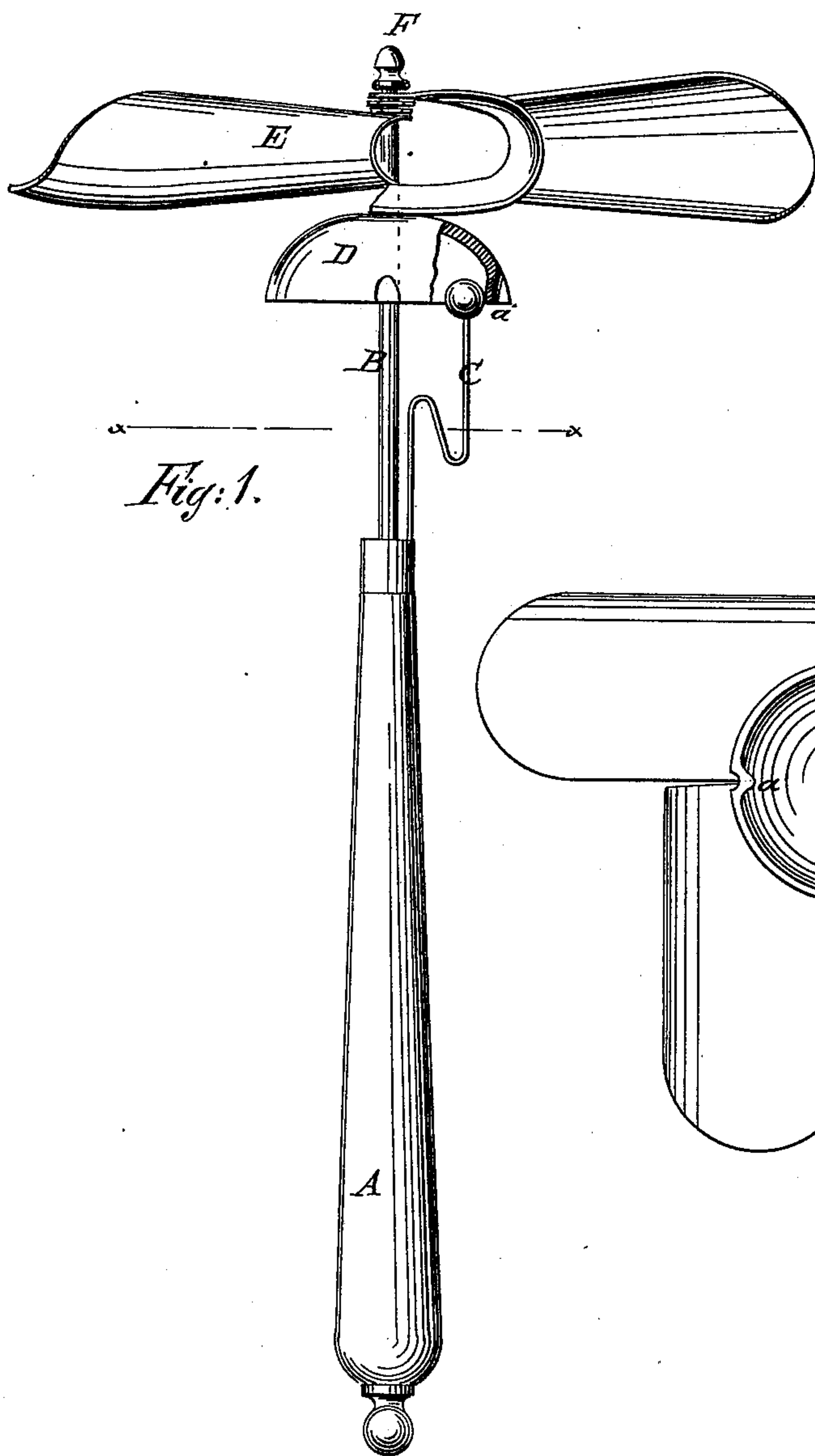
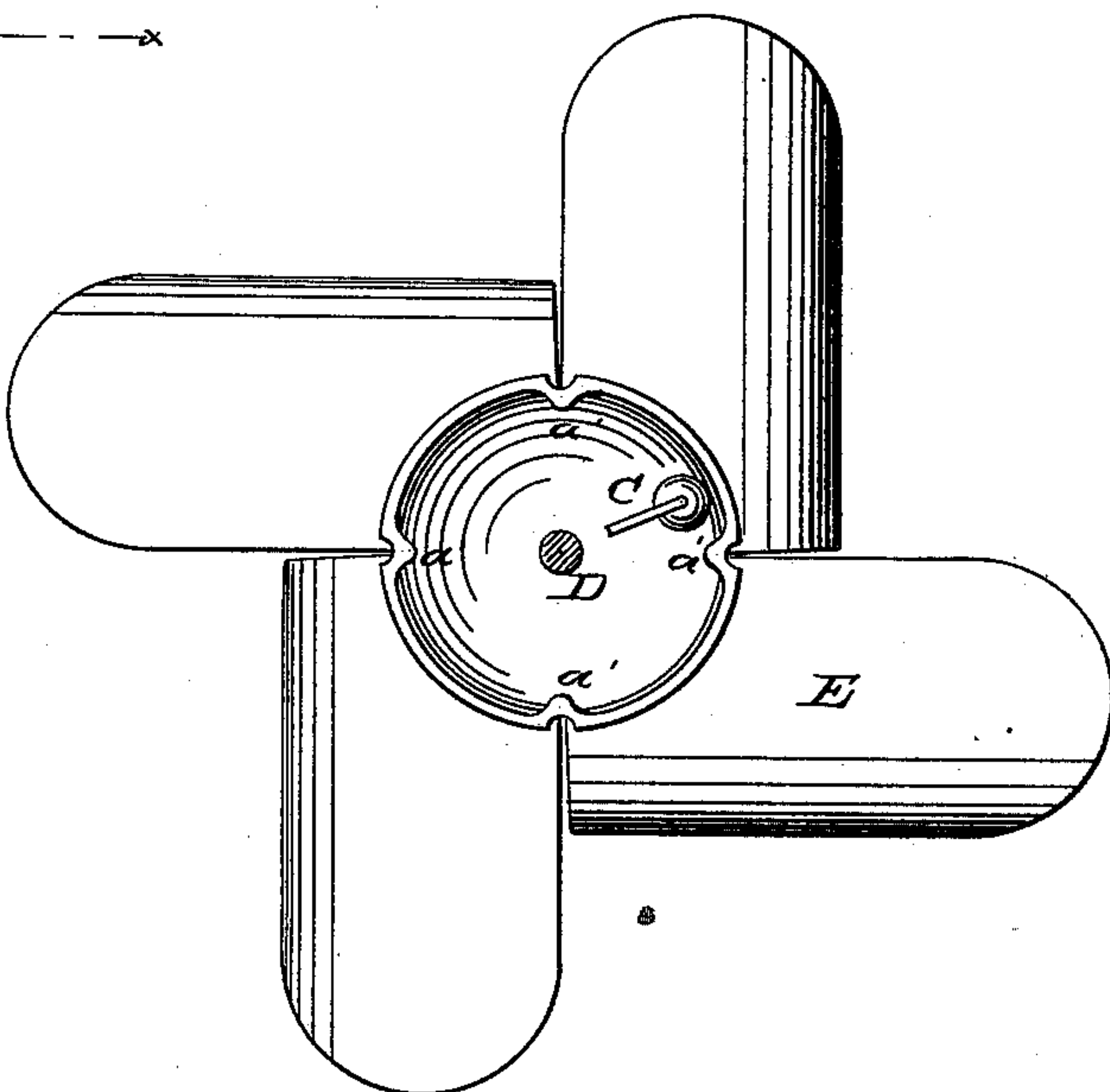


Fig. 1.

Fig. 2.



WITNESSES:

Chas. Nida
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INVENTOR:

J. L. M. Du Four
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH L. M. DU FOUR, OF BOUND BROOK, NEW JERSEY.

IMPROVEMENT IN TOY WIND-WHEELS.

Specification forming part of Letters Patent No. **214,895**, dated April 29, 1879; application filed January 27, 1879.

To all whom it may concern:

Be it known that I, JOSEPH L. M. DU FOUR, of Bound Brook, in the county of Somerset and State of New Jersey, have invented a new and Improved Toy Wind-Wheel, of which the following is a specification.

Figure 1 is an elevation, partly in section. Fig. 2 is a plan of the under side, viewed from line *x x*.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an amusing and musical toy for children.

In the drawings, A represents the handle of the toy, preferably made of wood; B, a rod or spindle of metal inserted in it; C, the bent wire spring and hammer, supported in the end of the handle; D, the bell or gong, with inward projections or corrugations, *a' a'*; E, the wind-wheel, constructed, preferably, of some thin sheet metal; and F, the cap or nut which screws on the end of the spindle.

In putting the parts together I ordinarily run a short piece of tube up through the center of the gong and wind-wheel and the ends of the wind-wheel sails, and fasten or solder them together, as shown. Then this tube, with the gong and wind-wheel attached, is slipped down on the spindle B until it rests on a shoulder, which is made by turning the upper section of the spindle smaller than the

other portion of it. Then the nut or cap F is screwed on the end of the spindle, to keep the tube and attachments in place.

As the tube fits very loosely upon the spindle, it will readily revolve when slight pressure of air is applied to the concave faces of the wind-wheel sails; and as it revolves, the corrugations or projections on the interior of the gong come successively in contact with the spring-hammer, and thus create an agreeable ringing musical sound.

Children play with it by holding it in the hand and running with it against the wind.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the spring and hammer C, the corrugated bell or gong D, and the metallic wind-wheel E, substantially as herein shown and described.

2. The combination of the handle A, the spindle B, the spring and hammer C, the bell or gong D, the wind-wheel E, and the cap F, arranged and constructed substantially as described, and forming a toy for children to play with.

JOSEPH L. M. DU FOUR.

Witnesses:

C. SEDGWICK,
I. I. STORER.