

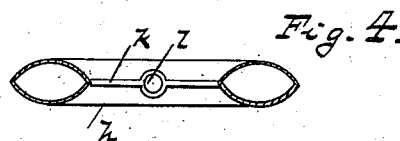
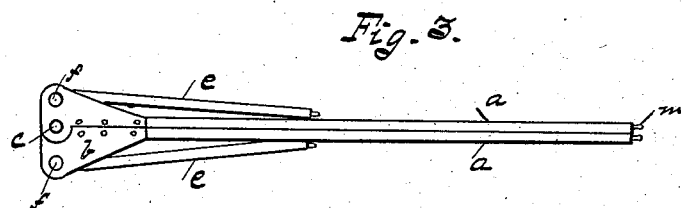
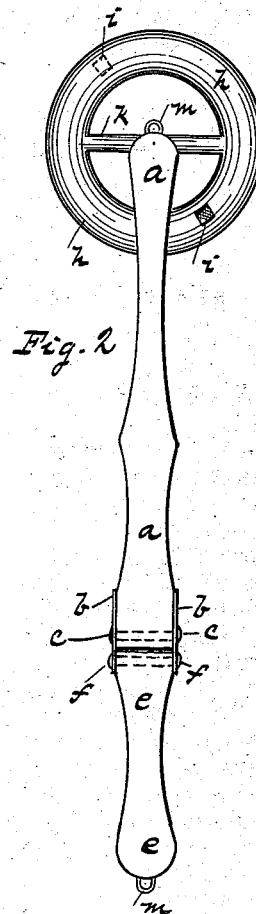
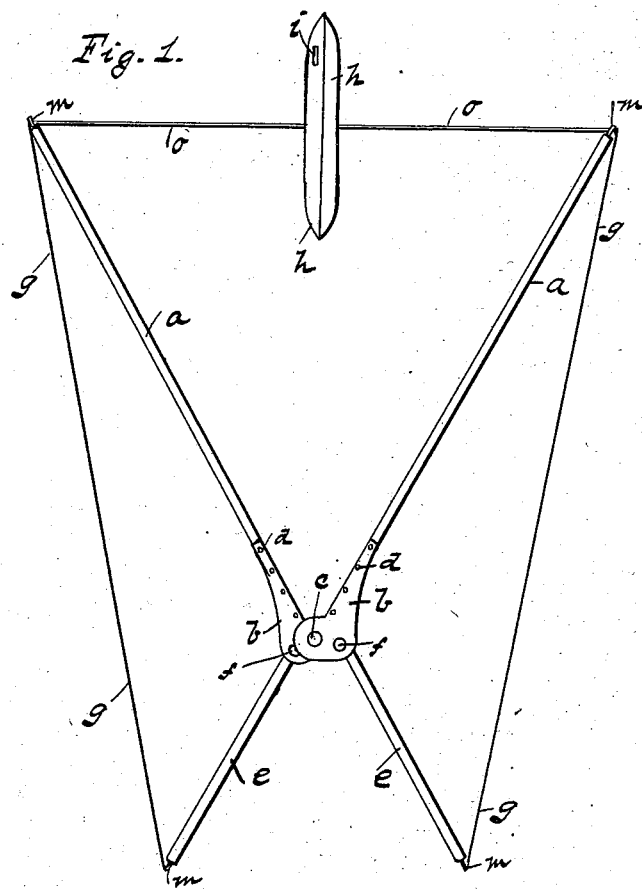
(No Model.)

F. WEBER.

TOY.

No. 382,744.

Patented May 15, 1888.



Witnesses:
A. C. Simmons.
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Inventor:
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By *O. D. Lewis.*

Attest.

UNITED STATES PATENT OFFICE.

FRANK WEBER, OF PITTSBURG, PENNSYLVANIA.

TOY.

SPECIFICATION forming part of Letters Patent No. 382,744, dated May 15, 1888.

Application filed December 12, 1887. Serial No. 257,702. (No model.)

To all whom it may concern:

Be it known that I, FRANK WEBER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Musical Toys; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

In the accompanying drawings, Figure 1 is a side elevation of my improved musical toy constructed in accordance with my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a side view of my improved toy, showing the manner in which the same may be folded. Fig. 4 is a section plan view of the hollow wheel.

To put my invention into practice, I provide two light strong levers, *a*, of suitable size and form of construction, and hinge the same at their base by properly-constructed hinges *b*, consisting of two flat metallic plates secured on each side of the levers *a* by a transverse hinge-pin, *c*, and several suitable brads, *d*, properly set and arranged. I now provide two additional hand-levers, *e*, somewhat shorter in length than those before mentioned. These levers are hinged to the lower portions of the hinges *b* by suitable transverse pins, *f*, extending through the same. The extremities of these levers *a* and *e*, I attach together by a stout cord, *g*, the upper right-hand lever, *a*, being secured to the lower right-hand lever, *e*, and the upper left and lower left hand levers are attached by the above-mentioned cords *g*. I now provide a light wheel, *h*, having a hollow rim in which are formed two square openings, *i*, the one through the opposite side to the other. Across this wheel *h* is a single spoke, *k*, having at the center a circular opening, *l*, in which is secured from each side a strong

double cord, *o*, the ends of each being made fast to the upper extremities of the levers *a* by means of small staples *m*, attached thereto.

In operation the wheel *h* is revolved by the hand until the double cords *o* are twisted tightly together, which operation diminishes the space between the two upper extremities of the levers *a*, and thereby increasing the distance between the lower extremities of the hand-levers *e*. The hand of the operator is now clasped about the levers *e*, which when pressed together separate the extremities of the upper levers, *a*, thereby unwinding the twist of the double cords *o*, which operation will cause the wheel to rotate rapidly on its axes and rewind or twist the double cords *o* in an opposite direction. Thus by alternately pressing and releasing the hand-levers *e* the wheel *h* is retained in constant rapid motion, which, owing to the square openings *i* in the rim of the wheel *h*, issues a clear whistling musical sound, constantly varying in proportion to the speed of the wheel.

This toy when not in use may be folded to occupy but little space, as will be seen by reference to Fig. 3 of the drawings.

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

In a musical toy such as described, the combination consisting of the hand-levers *e* and the upper levers, *a*, hinged together by a suitably-constructed hinge, *b*, the side cords, *g*, attached to the extremities of the levers *a* and *e*, the wheel *h*, having a hollow perforated rim, and a means for securing the ends of two double cords, *o*, to the center of the wheel *h* and to the upper extremities of the levers *a*, substantially as and for the purpose set forth.

FRANK WEBER.

Witnesses:

O. D. LEVIS,
C. C. LEE.