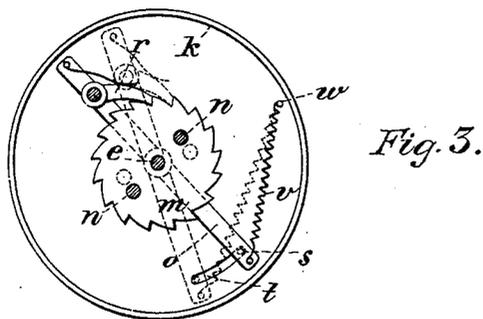
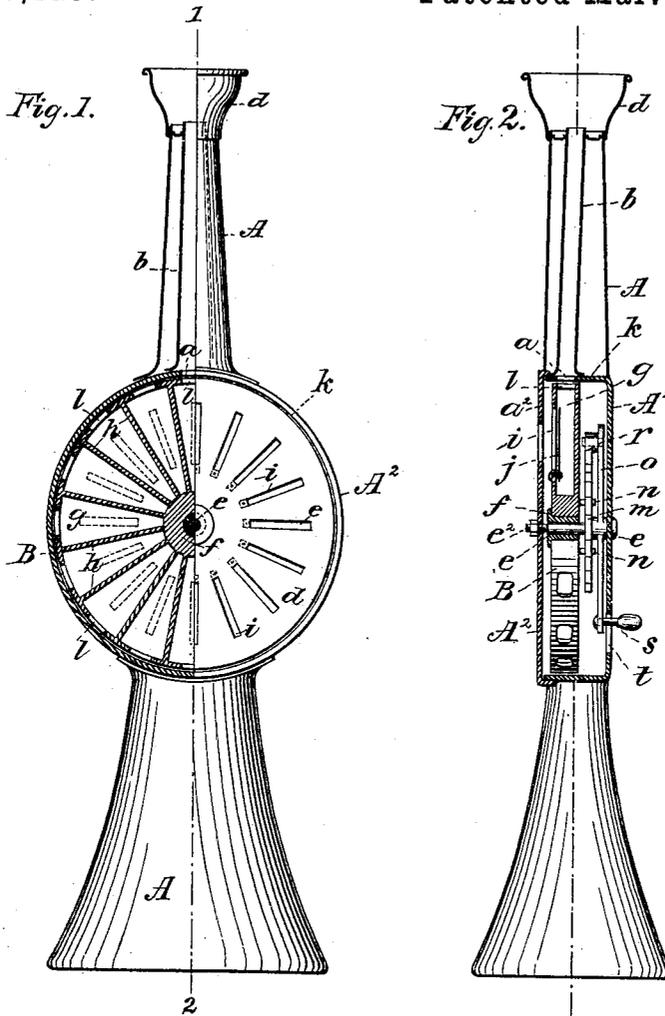


(No Model)

J. SCHOENNER.
MUSICAL TOY.

No. 400,123.

Patented Mar. 26, 1889.



WITNESSES:

John M. Spear.
T. F. Bourne.

INVENTOR,

Jean Schoenner
BY: Cressen, Steele & Mantz

ATTORNEYS,

UNITED STATES PATENT OFFICE.

JEAN SCHOENNER, OF NUREMBERG, BAVARIA, GERMANY.

MUSICAL TOY.

SPECIFICATION forming part of Letters Patent No. 400,123, dated March 26, 1889.

Application filed October 12, 1888. Serial No. 287,969. (No model.)

To all whom it may concern:

Be it known that I, JEAN SCHOENNER, of Nuremberg, Bavaria, Germany, have invented an Improved Musical Toy, of which the following is a specification.

The object of my invention is to provide a musical toy or instrument that shall resemble a trumpet.

The invention consists in the details of improvement and the combinations of parts, that will be more fully hereinafter set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view, partly in section, of a musical toy embodying my invention. Fig. 2 is a vertical longitudinal section on the line 1 2, Fig. 1, part being in full lines, and Fig. 3 is a detail face view of part of the operating mechanism of the instrument.

In the accompanying drawings, the letter A represents a trumpet, which is provided, preferably at about midway of its length, with a circular chamber, A². One side wall, a², of the chamber A² is made removable.

a is an opening in the top of the chamber A², that comes in line with the inner end of a tube, b, that passes through the neck of the trumpet and communicates with a mouth-piece, d, as shown, so that air will pass directly into the chamber A² when the trumpet is being blown; but it is evident that the tube b could be dispensed with, if desired.

B is a drum that is placed within the chamber A², the periphery of said drum fitting closely within the chamber A², but having free rotary movement therein. The drum B is supported within the chamber A² by a pin or bolt, e, that is supported at its ends in the walls of the chamber A², and that passes through the nave f of the drum B. On one end of the pin or bolt e is a nut, e², by which the side wall, a², may be held against the chamber A². By this means the wall a² may be removed, and one drum B replaced by another, the wall a² being then put back and held in position by the nut e². The drum B is divided into a number of compartments, g, by means of radially-projecting walls h, that extend from the nave f of the drum to the outer circular wall thereof.

In one side wall of the drum B are a series of slots, i, one such slot i being opposite each chamber g. Within each chamber g in the drum B, close to one wall and in line with the slots i, is a reed, j. The outer circumference of the chamber B is provided with a series of openings, l, one of such openings being in line with each chamber g in the drum B. These openings l are adapted to come in line with the opening a in the chamber A², so that air will pass from the mouth-piece d into a chamber, g, and thereby produce a musical sound by acting upon the reed j in said chamber. The reeds j may be arranged to produce any desired sound. The drum B is adapted to be rotated so as to bring its chambers g successively opposite the opening a in the chamber A², and the arrangement of the reeds j may be made in such manner that the sounds produced by a succession of different reeds will yield a melody.

The drum B may be rotated by any suitable means, so as to produce single notes or melodies. In the accompanying drawings I have shown one such means for rotating the drum B. In said drawings the letter m represents a ratchet-disk that is hung on the pin e. The ratchet-disk m is provided with one or more holes, through which project pins n from the drum B, whereby as the ratchet-disk is rotated the drum B will also be rotated.

o is a lever that is hung on the pin e at one side of the ratchet-disk m. The lever o carries a spring-pressed pawl, r, that is adapted to engage the teeth of the ratchet-disk and when said lever is rocked to turn said ratchet-disk a certain distance. The lever o also carries a pin or handle, s, that projects through a slot, t, in the side wall of the chamber A².

v is a spring that is attached at one end to the lever o and at its opposite end is connected by a pin, w, with the wall of the chamber A². By rocking the lever o the ratchet-disk and drum will be rotated, and air being blown into the chambers of the drum, as before stated, a melody will be produced. When the handle s is released, the spring v will move the lever o, so that its pawl will engage another ratchet-tooth. With this instrument either a single note may be produced or a succession of notes, according as the drum is

held stationary or rotated. By replacing one drum B with another drum having a different arrangement of key for the reeds *j* a different melody may be produced or a variety of notes given forth by the trumpet.

Having now described my invention, what I claim is—

1. The trumpet A, having the chamber A², and the opening *a* in said chamber, combined with the rotary drum B, hung in said chamber, said drum having a number of compartments, *g*, each compartment having a reed, *j*, to produce a musical sound, and an opening adapted to register with the opening *a*, for the admission of air, substantially as described.

2. The trumpet A, having the chamber A²,

and the opening *a* in said chamber communicating with the mouth-piece of the trumpet, combined with the drum B, hung in said chamber, said drum having a number of separate chambers, *g*, each chamber being provided with an opening for the admission of air and with a reed, *j*, and with means, substantially as described, for rotating the drum B, as specified.

The above specification of my invention signed by me this 30th day of August, 1888.

JEAN SCHOENNER.

Witnesses:

ANDR. STICH,

MAX HENDRICKS.