No. 787,404. PATENTED APR. 18, 1905.

W. SCHALLER.

WHIRLING TOY.

APPLICATION FILED JAN. 25, 1905.

Fig. 1.

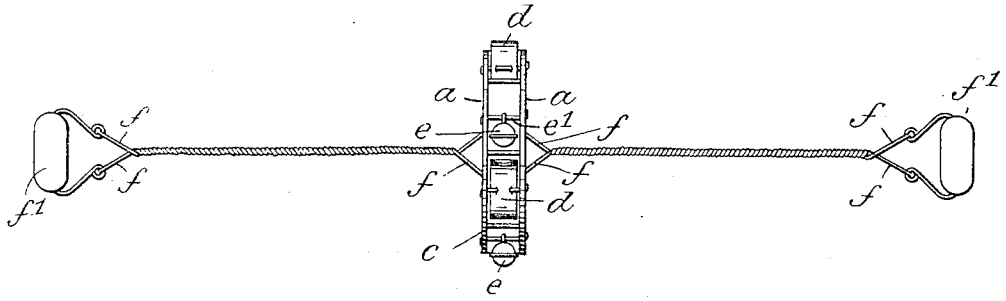


Fig. 3.

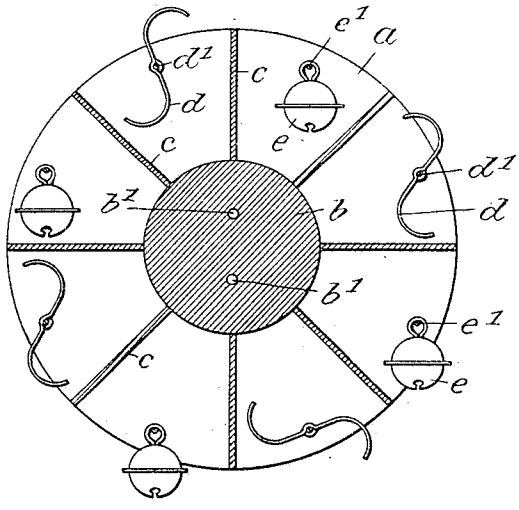
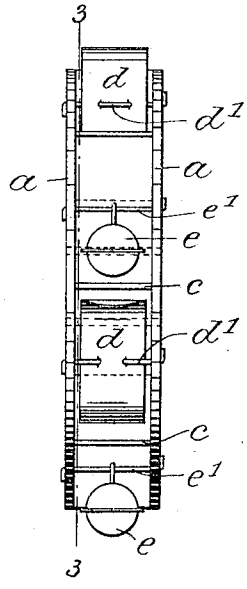


Fig. 2.



Witnesses:

Arthur Jumpe.

Fred. Unfricht.

Inventor:

Wilhelm Schaller

by Dawson & Briesen Att'y.

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No. 787,404. Patented April 18, 1905.

UNITED STATES PATENT OFFICE.

WILHELM SCHALLER, OF NEW YORK, N. Y.

WHIRLING TOY.

SPECIFICATION forming part of Letters Patent No. 787,404, dated April 18, 1905.

Application filed January 25, 1905. Serial No. 242,592.

To all whom it may concern:

Be it known that I, WILHELM SCHALLER, a citizen of Germany, residing at New York city, Manhattan, county and State of New York, have invented new and useful Improvements in Whirling Toys, of which the following is a specification.

This invention relates to a whirling toy which upon being rapidly rotated produces a peculiar and pleasing buzzing sound.

In the accompanying drawings, Figure 1 is a front view of a whirling toy embodying my invention; Fig. 2, a similar view, on an enlarged scale, of the rotatable head; and Fig. 3, a section on line 3 3, Fig. 2.

The letters *a a* represent a pair of disks secured to opposite sides of a central core *b*, the whole constituting a rotatable head. The diameter of the core is considerably less than that of the disks, so that an annular chamber is formed between the disks around the core. This chamber is divided by radial partitions *c* into a number of sector-shaped outwardly-opening pockets. Within alternate pockets are pivoted at *d'* curved vanes *d*, the distance between the pivots *d'* and the periphery of the disks *a* being less than the length of the vane-blades. In this way the vanes on rotating will pass partly out of the pockets to cut the atmosphere and produce a peculiar buzzing sound. The pockets intervening between those containing the vanes *d* are provided with sleigh-bells *e*, suspended from pins *e'* and which, in conjunction with the vanes, produce a pleasing musical effect.

The toy is provided on each side with doubled strings *f*, passing through perforations of the disks and alined perforations *b'* of the core. The strings are alternately wound and unwound by handles *f''* to impart the desired whirling movement to the head.

What I claim is—

A whirling toy composed of a pair of disks, an intervening core and radial partitions to form a series of pockets, outwardly-extending curved vanes pivoted within the pockets, and doubled strings secured to the disks, substantially as specified.

Signed by me at New York city, (Manhattan,) New York, this 24th day of January, 1905.

WILHELM SCHALLER.

Witnesses:

WILLIAM SCHULZ,

FRANK V. BRIESEN.