(No Model.)

N. N. HILL.

TOY BELL.

No. 455,943. Patented July 14, 1891.

Fig. 1

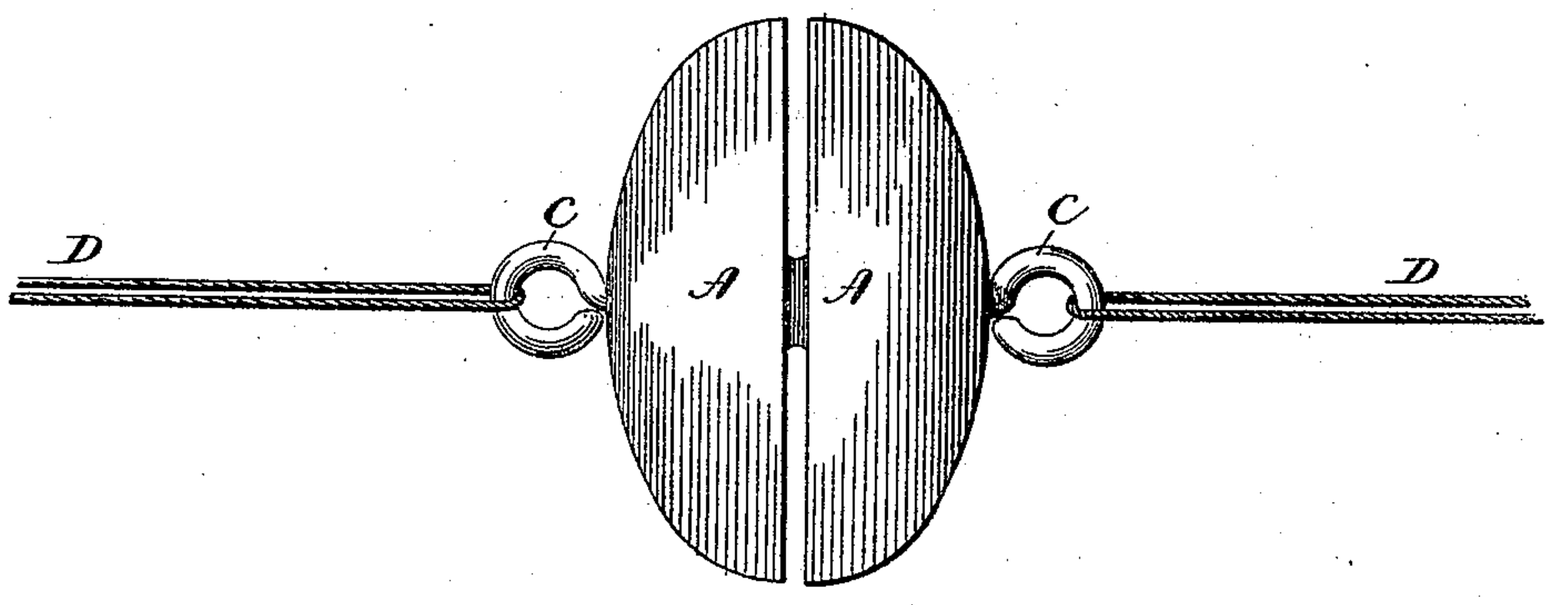
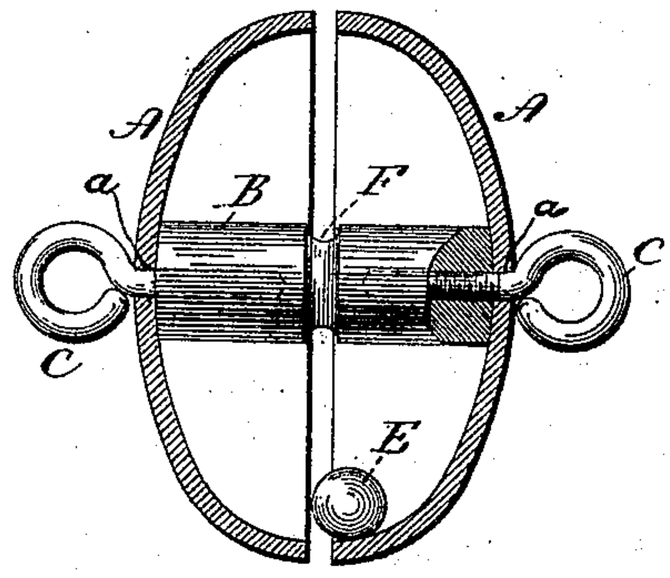


Fig. 2



Witnesses.
L. A. Shumway.
E. D. Kelley.

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UNITED STATES PATENT OFFICE.

NORMAN N. HILL, OF EAST HAMPTON, CONNECTICUT.

TOY BELL.

SPECIFICATION forming part of Letters Patent No. 455,943, dated July 14, 1891.

Application filed November 17, 1890. Serial No. 371,669. (No model.)

To all whom it may concern:

Be it known that I, NORMAN N. HILL, of East Hampton, in the county of Middlesex and State of Connecticut, have invented new Improvements in Toy Bells; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan view of a chiming-toy constructed in accordance with my invention, the outer ends of the cords being broken away; and Fig. 2, a view of the toy in central section with the cords removed.

My invention relates to an improvement in chiming toys, the object being to produce a cheap, novel, attractive, and durable article.

With these ends in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claim.

The two bells A A are of ordinary form, and each is provided with a small central perforation *a*. They are placed against the substantially square opposite ends of a cylindrical post B, which is adapted in length to hold the bells apart with a slight opening between their adjacent edges. The threaded shanks of two eye-screws C C are entered into the opposite ends of the post through the small perforations in the bells, which are thus held in place against the ends of the post by the engagement of the eyes of the screws with their outer faces. A small sphere E, called the "jangle," is placed between the two bells, and is free to tumble about in the space inclosed by them. Cords D D, attached to the eyes of the said screws, are provided for operating the toy.

In using the toy the ends of the cords are grasped and the bell rotated to twist them. Then by slightly straining the cords longitudinally they will untwist and rotate the bell in the opposite direction from that in which the cords were twisted and so cause the jangle to be tossed about against the bells with a buzzing or humming noise. The inertia acquired by the bells when thus rotating automatically twists the cords, which are now slightly relaxed in the opposite direction, and then when the described inertia of the bell is spent the cords are strained apart again, with the effect of reversing the rotation of the bells, and so on.

As herein shown, the post is provided with an annular groove F, located in line with the opening between the two bells and adapted to receive a cord attached to the post and passing through the said opening, whereby the cord may be wound upon the post and the toy operated by allowing the bell to fall, in doing which it will require enough inertia to rewind it in an opposite direction upon the cord, and so on; but this mode of operating the toy requires more dexterity than the other, and the results are not perhaps as pleasing. I would therefore have it understood that I do not limit myself to the exact construction herein shown and described, but hold myself at liberty to make such changes and alterations therein as fairly fall within the spirit and scope of my invention.

I am aware that it is not new to operate buzzing toys by torsion-strings, and that chiming toys having two bells placed mouth to mouth with a jangle between them are not new. I do not therefore claim either of those constructions broadly; but,

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

In a buzz-chime, the combination, with a post having substantially square ends, of two bells placed mouth to mouth against the respective ends of said post and each having a small circular perforation, two eye-screws, the shanks whereof enter the opposite ends of the post through the small perforations in the bells, which are held in place against the ends of the post by the engagement of the eyes of the said eye-screws with their outer faces, cords attached to the eye-screws and adapted to be twisted to impart rotary movement to the bells, and a jangle located between the bells and free to tumble about in the space inclosed by them, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

NORMAN N. HILL.

Witnesses:
F. W. HILL,
E. F. DERBY.