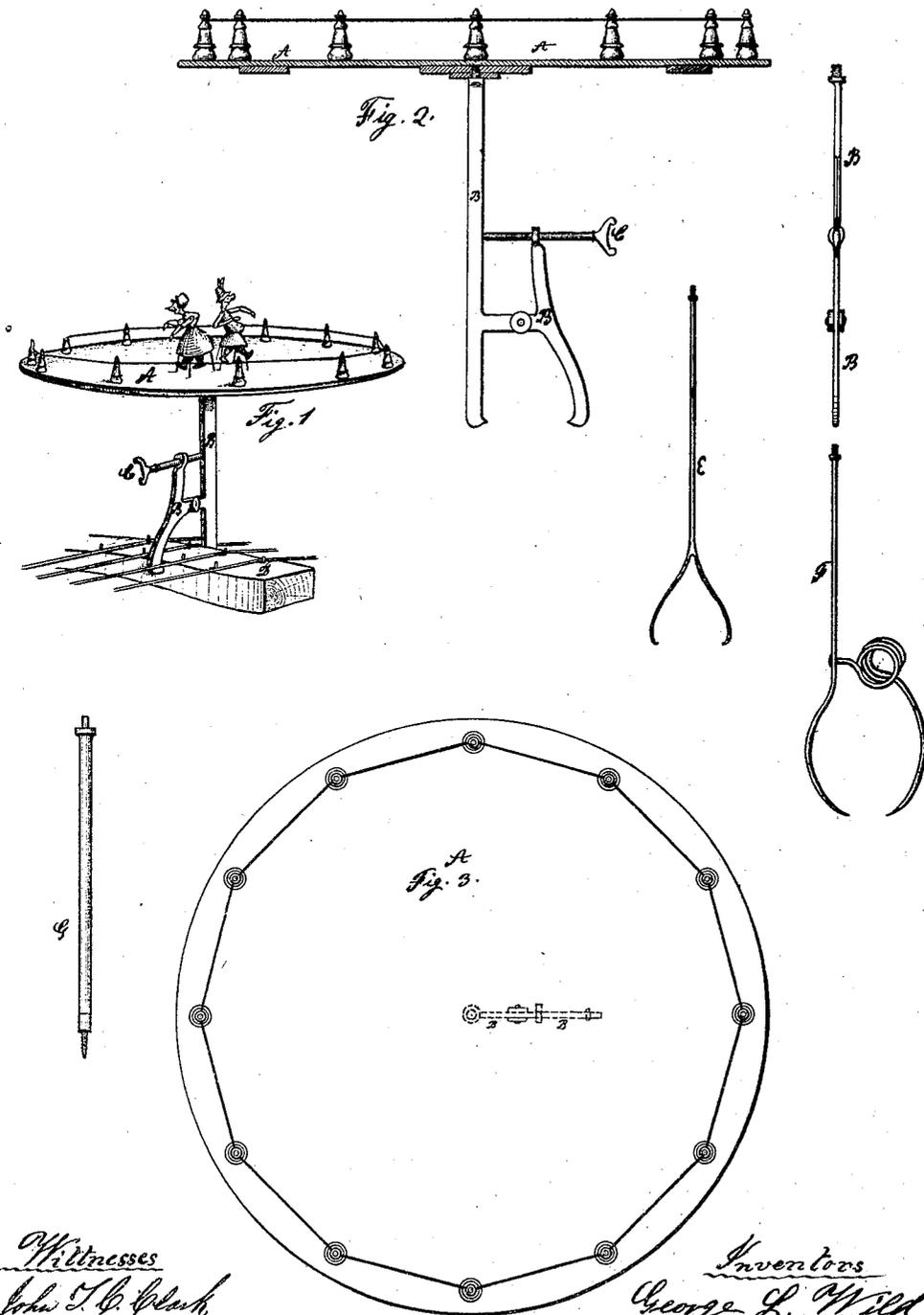


G.L. & L.P. Wild,

Dancing Toys.

No. 102,698.

Patented Nov. 29, 1870.



Witnesses
 John T. Clark
 Edward

Inventors
 George L. Wild
 Louis P. Wild.

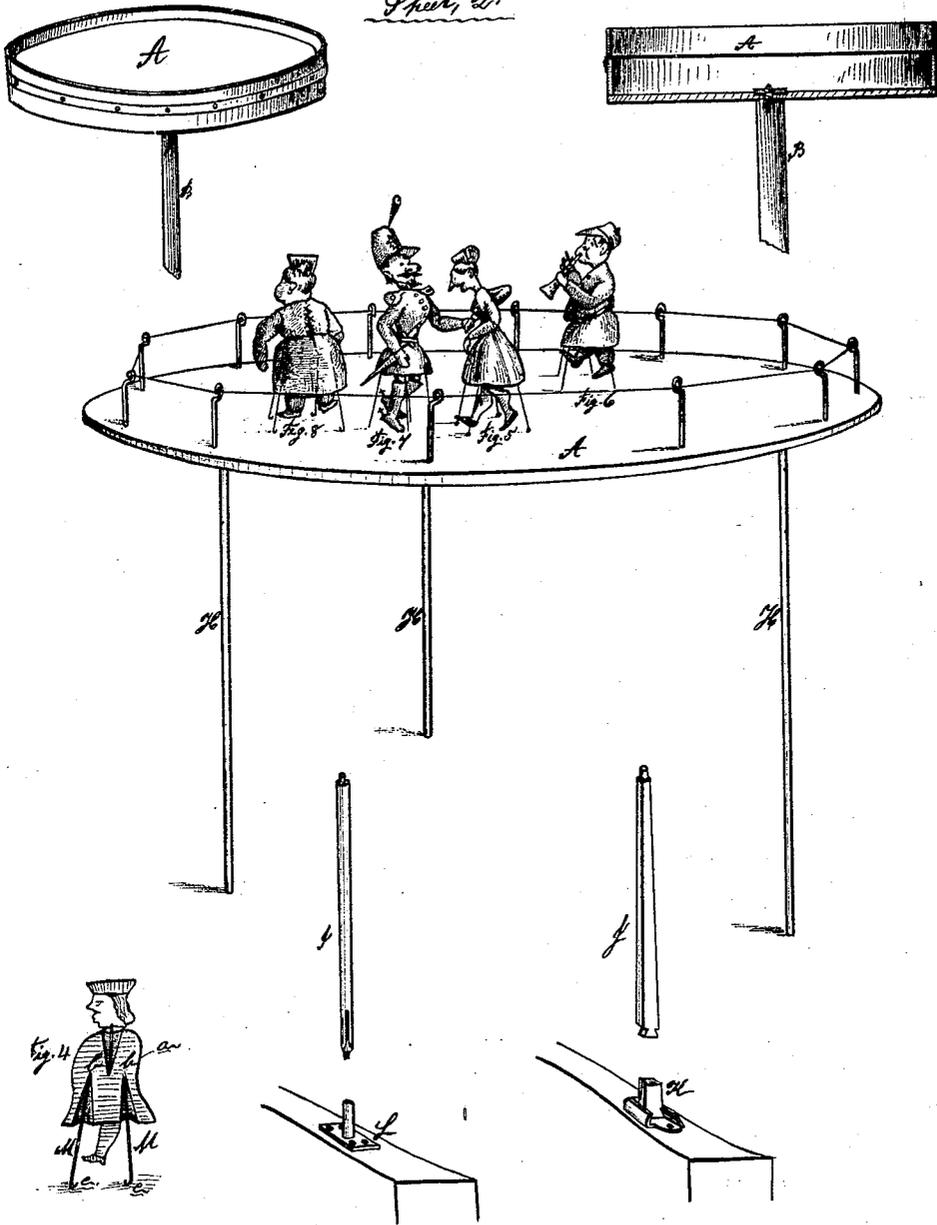
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Sheet, 2.



Witnesses
 John T. Clark
 J. H. Bennett

Inventors
 George L. Wild
 Louis P. Wild.

United States Patent Office.

GEORGE L. WILD AND LOUIS P. WILD, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 109,698, dated November 29, 1870.

IMPROVEMENT IN DANCING TOYS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, GEORGE L. WILD and LOUIS P. WILD, of the city of Washington, District of Columbia, have invented a new and useful Device, to be attached to piano-fortes and other musical instruments, by which the effects of musical or other vibrations can be more distinctly and completely exhibited, in the visible movements of suitable forms or figures, than heretofore.

Our said invention is so constructed that it can be readily attached to the inner part of the piano and removed therefrom with great facility.

Its object is to afford an interesting, scientific toy.

In the accompanying drawing—

A, Figure 1, represents a smooth, level platform or table. This platform may be of any suitable form, the object being vibration, and consequent comical movements of figures similar to human and other forms, which movements are produced by the vibrations due to the sound of the musical instrument.

The tables may be made of any material capable of vibration, such as wood, sheet metal, paper, textile fabrics, and prepared skins of animals.

The round form is deemed to be the best.

The various kinds of tables may be substituted one for the other with great facility by attaching and detaching them to and from the supporting-post B.

The upper end of the post B is firmly secured to the under side of the platform A, by being screwed thereto, or otherwise.

The lower end of the post is secured, by means of the screw C, to the sounding-board bridge D.

A, Figure 2, is a sectional view of the above-device, detached from the bridge.

A, Figure 3, is a ground plan of the platform or table, showing the standards, to which are secured suitable wires or other means whereby to keep the comical figures, during their comical gyrations, within the bounds of the platform or table.

We have essayed the various parts in various ways whereby to attach the post to the table and to the sounding-bridge of piano-fortes and other musical instruments, all with good effect.

On sheet 1 of the drawing are exhibits of some of them, as shown at E, F, and G.

On sheet 2 are shown other similar devices, lettered H, I, J, K, and L. The tables on sheet 2 are represented with other mechanism than the wires for securing the comical figures within the limits thereof.

Figure 4, sheet 2, represents the construction of that part of the comical figures necessary to an upright attitude during their violent and irregular gyrations or movements. It will be seen in this figure, as is the case with all of them, that the wires or bristles upon which their weight is sustained are secured far up into the body, the object of which is to render available their weight to prevent, as much as may be, their tendency to fall, during contact, when moving rapidly on and about the table. In this figure the wires M are turned up at the lower ends.

Figure 5 is supported on bristles, with balls of shellac, at their lower ends.

Figures 6 and 7 are supported on bristles without any attachment at the lower ends.

Figure 8 is supported on wires, bent up a little at the lower ends. Instead of the bent ends of the wires, small balls may be attached with good results, the object being to secure celerity of movement, sensitiveness to the vibrations due to the sound of a musical instrument, comical gyrations, and secure an upright attitude of the figures.

Having described the construction, combination, arrangement, and object of this our invention,

What we claim therein as new, and desire to secure by Letters Patent, is—

1. The devices A B B C D and the automatic figures, whereby to transmit invisible musical vibrations to automatic figures, and impart motion thereto, all combined and arranged substantially as herein shown and described.

2. In the body *a* of the puppet, as shown in fig. 4, the recesses *b b* and the springs M, with their turned-up ends *c c*, all arranged as and for the purpose set forth.

GEORGE L. WILD.
LOUIS P. WILD.

Witnesses:

JOHN T. C. CLARK,
J. H. KENARD.