

(No Model.)

2 Sheets—Sheet 1.

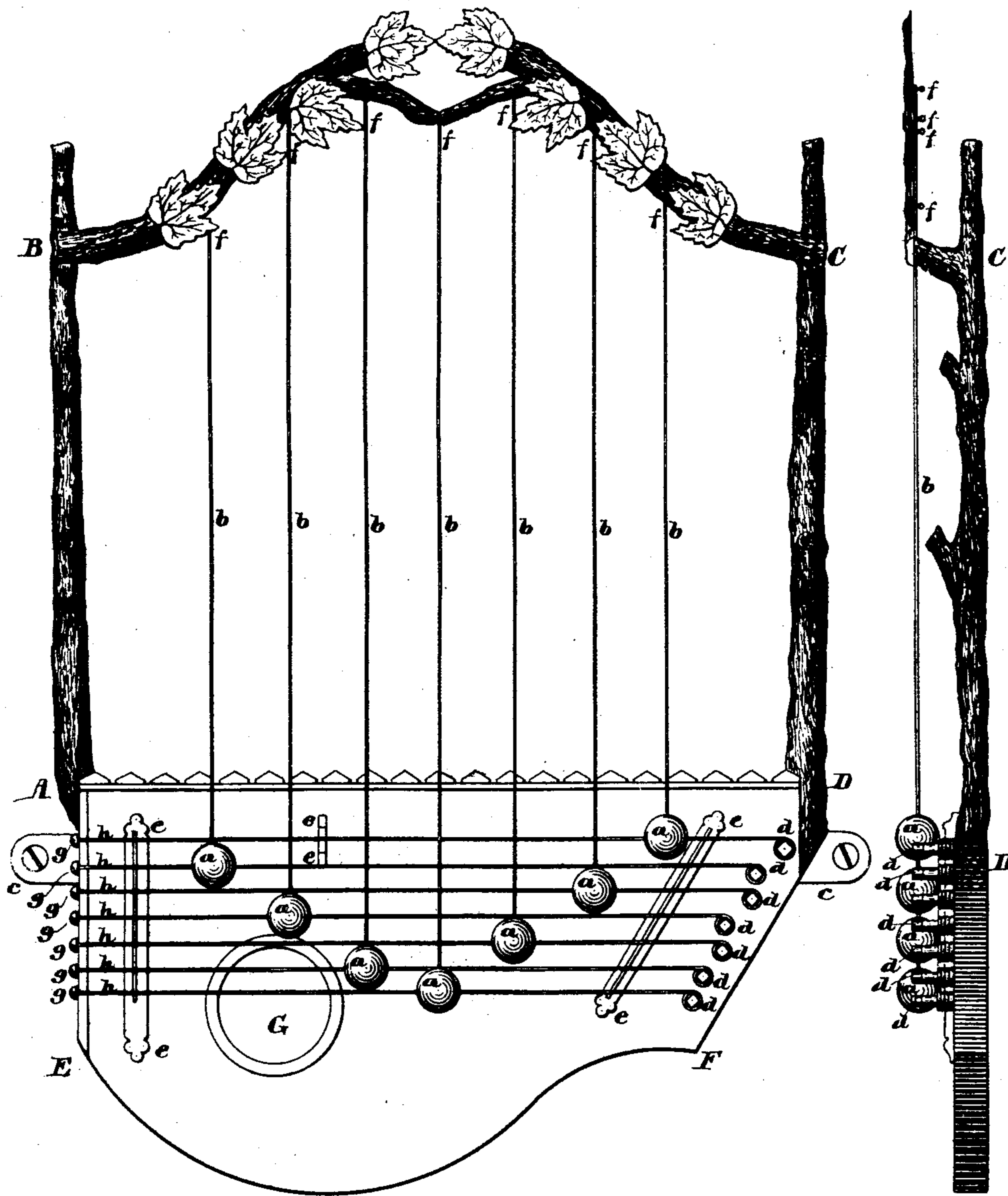
H. G. CARSWELL.
MUSICAL INSTRUMENT.

No. 515,323.

Patented Feb. 27, 1894.

Fig. 1.

Fig. 2.



Witnesses:

H. J. Durand.
E. E. Cothran

Inventor:

Henry George Carswell
Per C. S. Thompson
His attorney.

(No Model.)

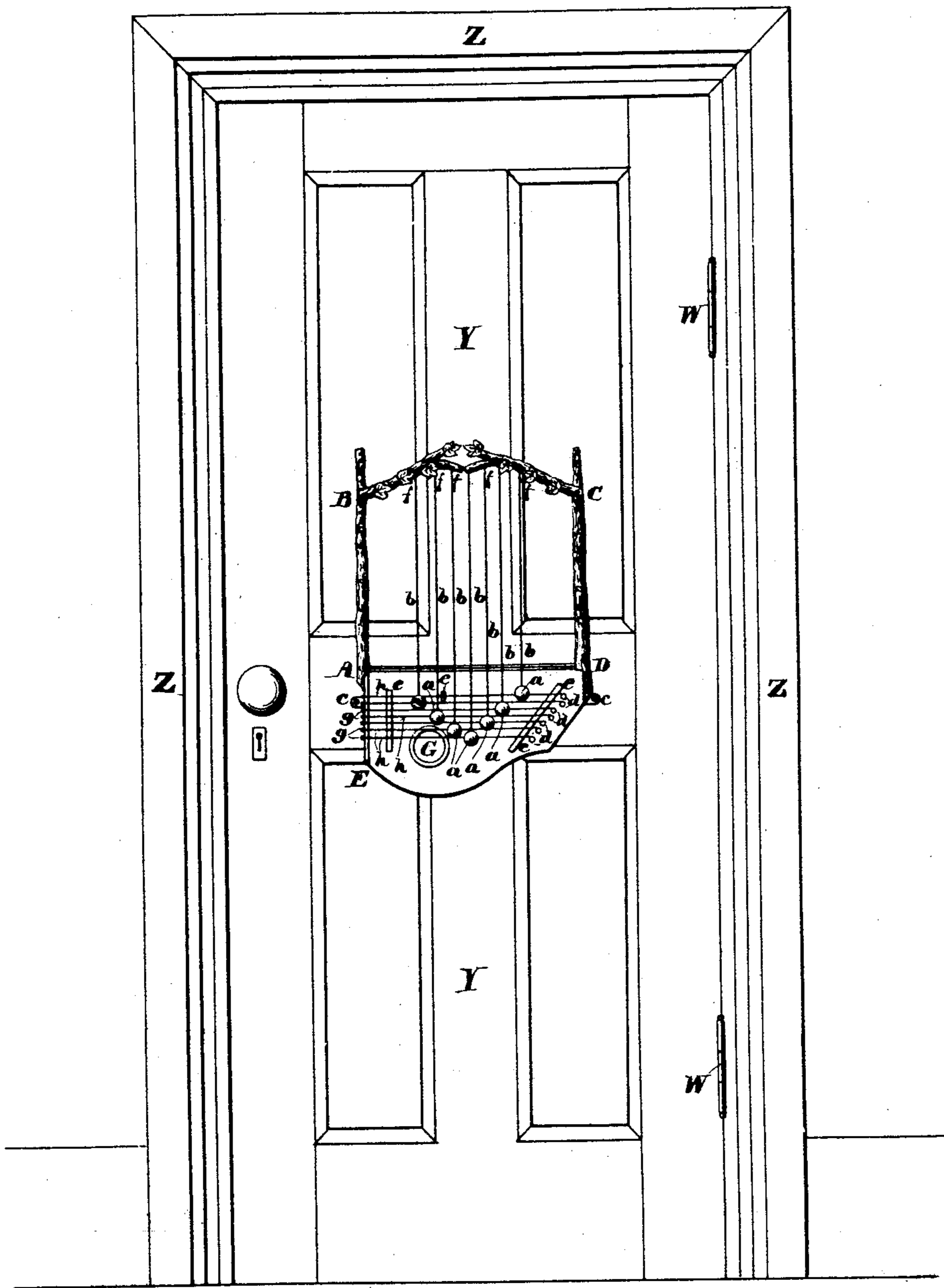
2 Sheets—Sheet 2.

H. G. CARSWELL.
MUSICAL INSTRUMENT.

No. 515,323.

Patented Feb. 27, 1894.

Fig. 5.



Witnesses:

H. J. Dusing.
E. E. Coltham

Inventor:

Henry George Carswell
Per J. S. Thompson
His Attorney.

UNITED STATES PATENT OFFICE.

HENRY GEORGE CARSWELL, OF SANTA CLARA, CALIFORNIA, ASSIGNOR,
BY MESNE ASSIGNMENTS, TO EUGENE J. ALBERT, OF PHILADELPHIA,
PENNSYLVANIA.

MUSICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 515,323, dated February 27, 1894.

Application filed December 4, 1890. Serial No. 373,628. (No model.)

To all whom it may concern:

Be it known that I, HENRY GEORGE CARSWELL, a citizen of the United States, residing at Santa Clara, in the county of Santa Clara and State of California, have invented a new and useful Musical Instrument, of which the following is a specification.

My invention relates to improvements in musical instruments or an invention of an entirely new musical instrument, in which spheres, or bodies of any shape, suspended by wires, strings, or chains are so arranged as to strike upon strings or wires on a sounding board. These strings or wires so arranged that their vibration produces a harmony. This musical instrument to be attached to any movable object whereby the balls may be set in motion or caused to vibrate against any number of strings or wires.

Figure 1 represents a front view of a musical instrument embodying my invention. Fig. 2 represents a side view. Fig. 3 represents a front view on a reduced scale, including a door to which the instrument is attached.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A, B, C, D, designate a frame to which the strings *b* are secured.

E, F, designate a sounding board which is connected with the parts A, D, of the frame,

and has the strings *b* across the same over the bridges *e*. Spheres *a* or bodies of other shape are attached to the strings, wires or chains *b*, fastened to the framework at *f*. 35

Lugs or ears *c* are employed to attach the instrument to objects as desired. The strings *h* are secured to the pins *d* by which they may be tuned, said strings passing over bridges *e* and being also attached to pins *g* 40 on the sounding board, and are adapted to be struck by the bodies *a*.

In the sounding board is an aperture *G* for the emission of sound.

In Fig. 3, I show the instrument connected 45 with the door *Y*, which is hinged at *W* to the casing *Z*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is— 50

A musical instrument having a series of strings stretched over a resonant body, and a frame arranged above the same provided with pendent cords to which are attached a series of balls, the whole adapted to be secured to a door or similar movable object, so 55 that the balls will be swayed to strike upon the strings, substantially as described.

HENRY GEORGE CARSWELL.

Witnesses:

I. S. THOMPSON,
W. W. COLLINS.