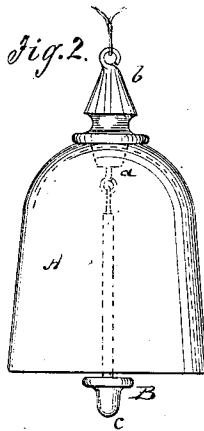


H. Herrmann. Aeolian Chime.

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Fig. 1.

PATENTED FEB 7 1871



Witnesses.

*A. Benneken and
Alex. F. Roberts*

Inventor.

H. Herrmann

per *Wm. H. [Signature]*

Attorneys.

United States Patent Office.

HEINRICH HERRMANN, OF NEW YORK, N. Y.

Letters Patent No. 111,537, dated February 7, 1871.

IMPROVEMENT IN ÆOLIAN CHIMING-BELLS.

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

To all whom it may concern:

Be it known that I, HEINRICH HERRMANN, of the city, county, and State of New York, have invented a new and improved Æolian Chiming-Bell; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a perspective view of my improved Æolian machine, showing it applied to a tree.

Figure 2 is a side view of one of the bells used on the same.

Similar letters of reference indicate corresponding parts.

My invention relates to Æolian chiming-bells, and has for its object to improve the construction of the clappers thereof, as hereinafter described and subsequently specified in the claims.

A A in the drawing are glass bells, of suitable size, thickness, and form, provided with clappers B that are made of quills, with very light knobs *c* at their lower ends.

A feather or fan may be secured to the extreme lower end of each clapper to invite the action of the wind.

The clappers are suspended from eyes *a* formed within the bells.

Eyes *b* are also formed on the ends of the bells to

receive a wire or thread, whereby the said bells can be tied to the branch of a tree, or to any other object which is exposed to the air.

I prefer to use forty-four bells for each chime, but any other number may be used, all of them being suspended at such distances from each other that they can all be heard if played simultaneously.

The clappers are so light that the least breath of air will move and cause them to strike the glass bells, producing thereby a sound of such sweetness and inexplicable delicacy as to be very pleasant to the hearer.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. In Æolian chiming-bells, the clapper B, formed of a quill, provided with a light knob, *c*, as described.

2. The combination, with a glass chiming-bell, of the light-knobbed quill clapper, as and for the purpose described.

3. The light-knobbed quill clapper of a chiming-bell, combined with a feather at the end thereof, as and for the purpose described.

The above specification of my invention signed by me this 19th day of July, 1870:

HEINRICH HERRMANN.

Witnesses:

GEO. W. MABEE,

T. B. MOSHER.