

A. JUSBERG.

Bell.

No. 68,206.

Patented Aug. 27, 1867.

FIG. 1

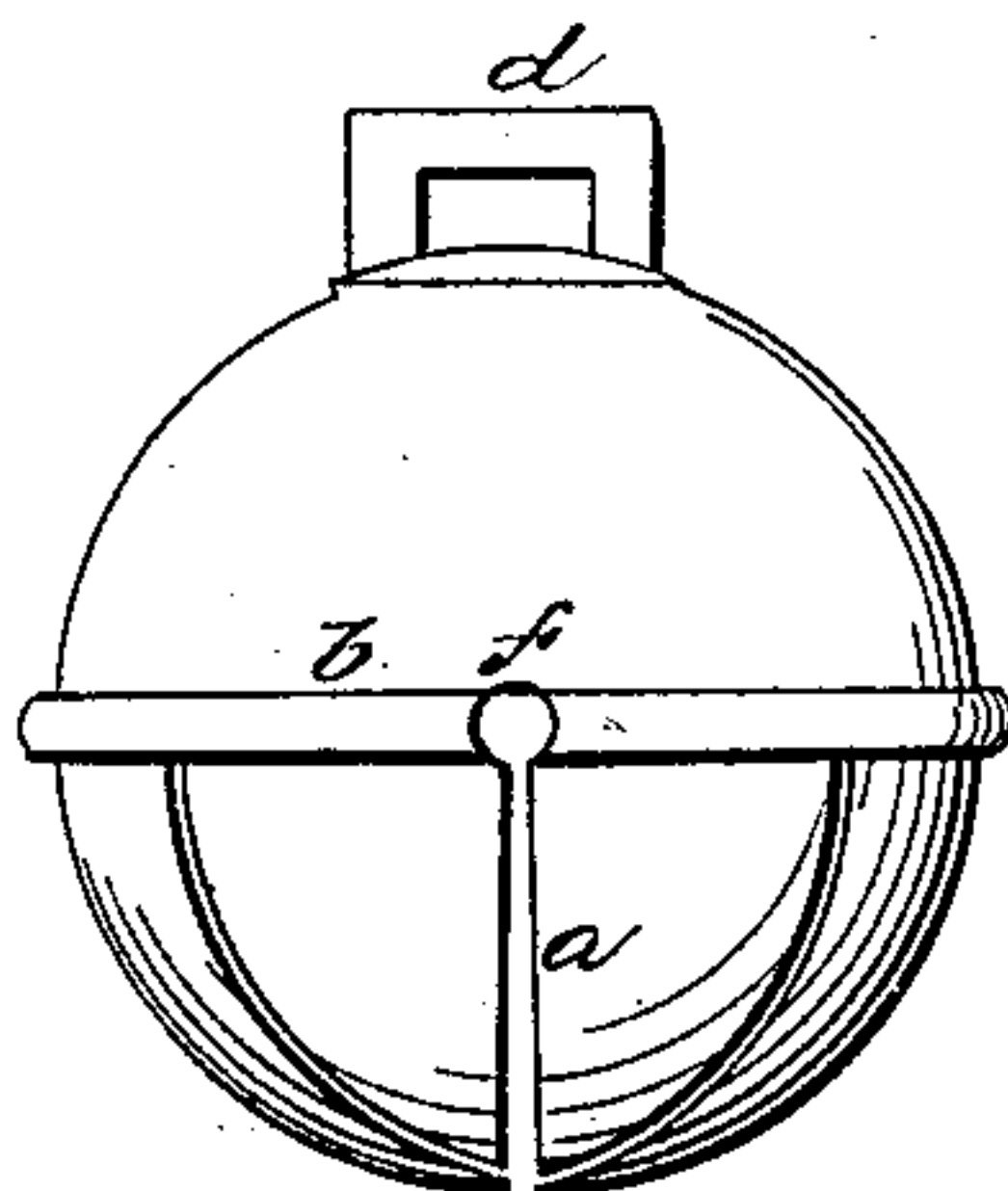
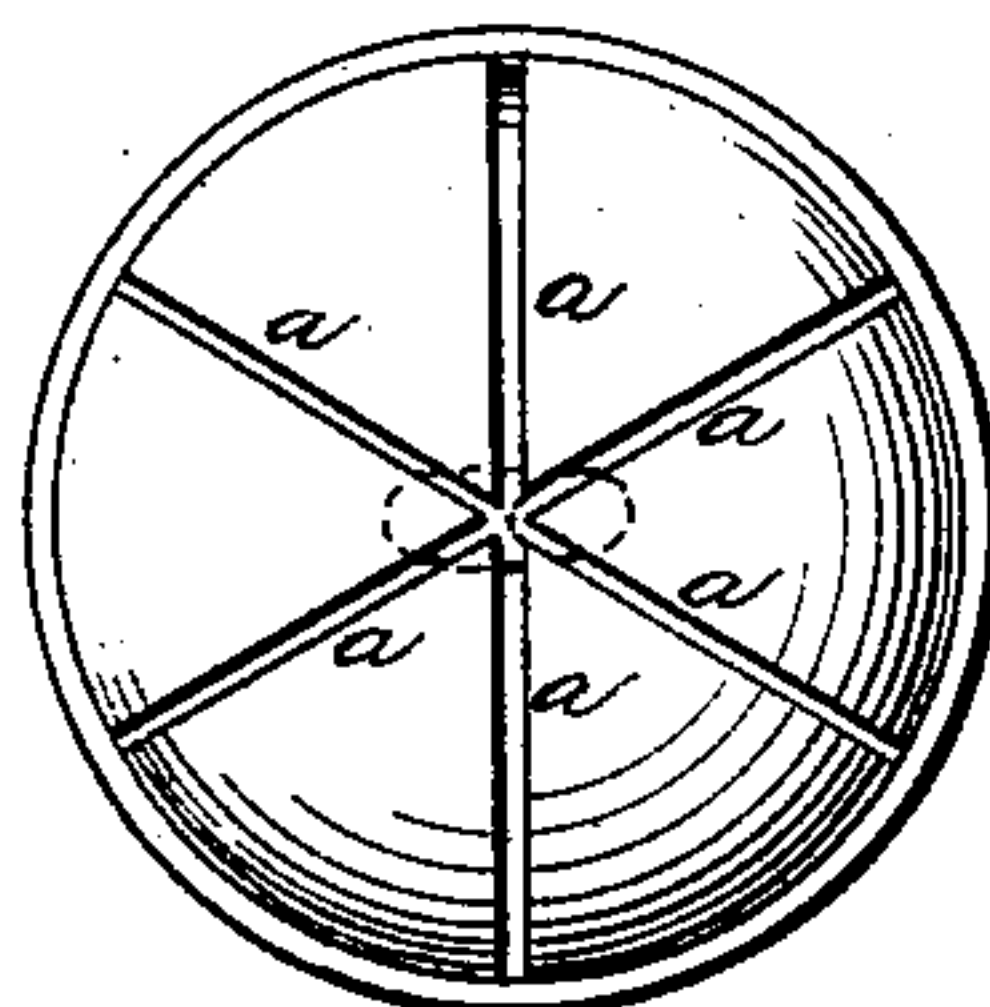


FIG. 2



WITNESSES:

Theo. Tusche
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INVENTOR:

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per Wm. H. S.
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United States Patent Office.

ANDREW JUSBERG, OF GALVA, ILLINOIS.

Letters Patent No. 68,206, dated August 27, 1867.

IMPROVEMENT IN CASTING 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, ANDREW JUSBERG, of Galva, in the county of Henry, and State of Illinois, have invented a new and useful Improvement in Bells; 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 drawings, forming part of this specification.

This invention relates to a new compound or composition for the manufacture of bells of all kinds, and also to the particular manner in which sleigh-bells are formed, and the invention, as a whole, relates more particularly to this class of bells. And the invention consists in constructing the bells of a metallic composition hereinafter named, and so forming the bell that there shall be different tones or sounds from bells of the same size and weight, although formed of the same metal.

Figure 1 represents a side view of a sleigh-bell.

Figure 2 represents the lower part of the bell, as seen in fig. 1.

Similar letters of reference indicate like parts.

The bell represented is an ordinary globe sleigh-bell, with its lower portion cut into sections, as seen in the drawing marked *a*. *b* is a bead which encircles the bell. *d* is the loop by which the bell is suspended. The sections are divided or separated by a slit, which commences and ends at the bead *b*, as is seen in fig. 1, at *f*, and the number of these slits through the bell determines their tone or the sound which they give. The metal which I use in making my bells is composed of copper, tin, and silver. The proportion in which the metals are alloyed in forming my sleigh-bells is as follows: To every five parts of copper I add one of block-tin. To every forty pounds of this mixture, when thoroughly fused, I unite four pennyweights of the coin of the United States, half or quarter dollars of the coinage of 1860. After the bell is cast it is turned off smooth upon the outside and divided, by means of a saw, into six (more or less) lobes, each giving separate and distinct sounds.

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

Forming sleigh-bells, substantially as described, with the lower portion divided into two or more sections for the purposes herein set forth.

I claim forming bells of copper, tin, and silver, in the proportion substantially as described.

ANDREW JUSBERG.

Witnesses:

N. RUNQUIST,

JOHN L. FINLEY.