

W. E. Barton.
Making Sleigh-Bells.
N^o 72716 Patented Dec. 31, 1867.

Fig. 1

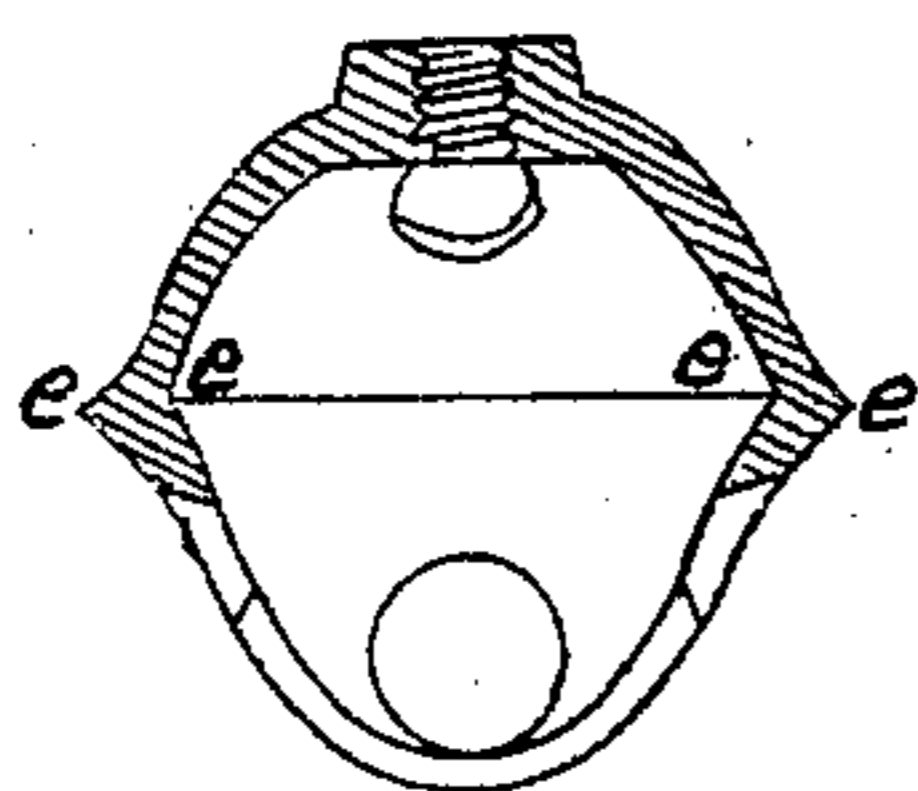


Fig. 3

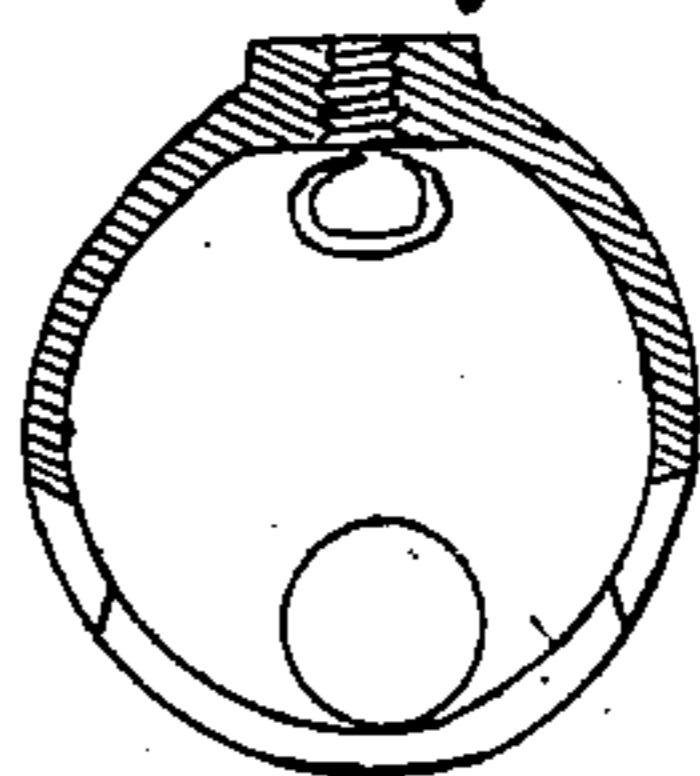


Fig. 2

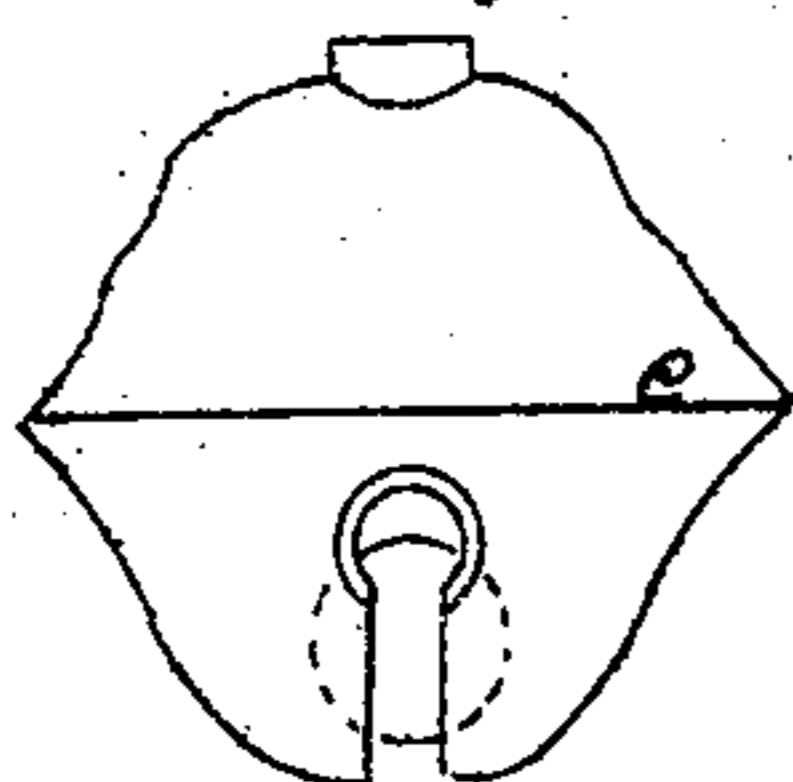
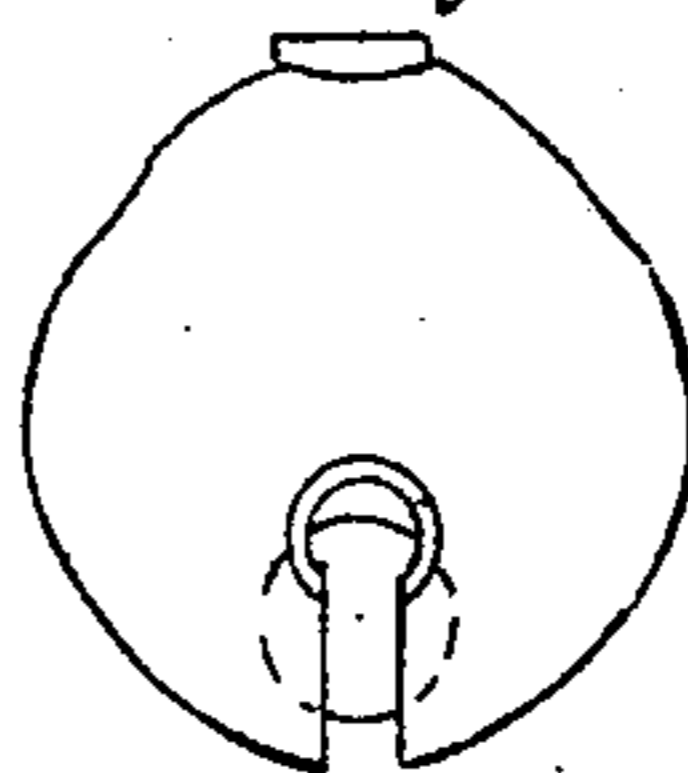


Fig. 4



Witnesses.

E. W. S. Starr
J. J. Starr.

Inventor.

W. E. Barton

United States Patent Office.

WILLIAM E. BARTON, OF EAST HAMPTON, CONNECTICUT.

Letters Patent No. 72,716, dated December 31, 1867.

IMPROVEMENT IN THE MANUFACTURE OF SLEIGH-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, WILLIAM E. BARTON, of East Hampton, Middlesex county, State of Connecticut, have invented a certain new and useful Improvement in Sleigh-Bells; and I do hereby declare that the following is a full and accurate description thereof, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference thereon.

Figure 1 of the drawings represents a section, and

Figure 2 a side view of a sleigh-bell of the common form.

Figure 3 represents a section, and

Figure 4 a side view of my improved globular sleigh-bell.

My invention and improvement in sleigh-bells consist in making them of a globular form, as shown in the drawings, and without the angular projection either on the inside or outside of the bell, as in sleigh-bells heretofore made.

I have discovered that the sharp angle inside the old bells, shown at *e e*, fig. 1, diminishes vibration, and also that the increased thickness of section which practically must be made at that part of the bell in casting also interferes with vibration. If such bells are silver-plated, the plate at this part of the bell wears off by use and by cleaning. By making the bell of globular form, I have produced a bell of superior quality from the same or less amount of metal.

The mode of casting sleigh-bells is well known, and therefore I shall not describe it here, there being no change necessary to produce my globular bell except a change of form of the mould and core, which will be obvious to those skilled in the art of casting sleigh-bells.

I claim, as of my invention—

The globular sleigh-bell, cast in one piece, as herein described.

W. E. BARTON.

Witnesses:

E. W. N. STARR,

F. F. STARR.