WILLIAM H. NICHOLS.

Improvement in Sleigh-Bells.

No. 116,085. Patented June 20, 1871.

Fig. 1.

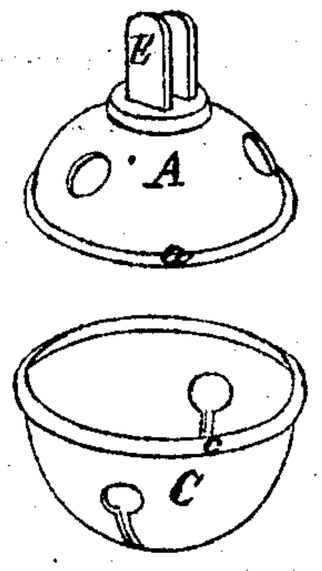


Fig. 2.

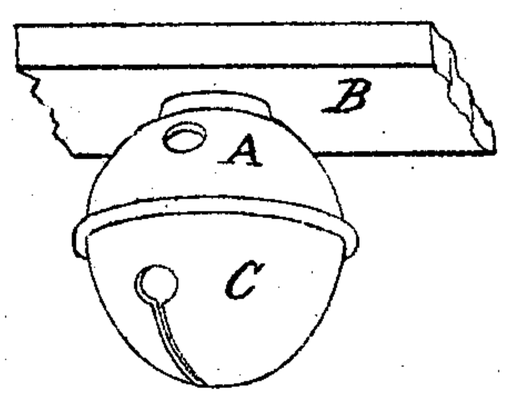
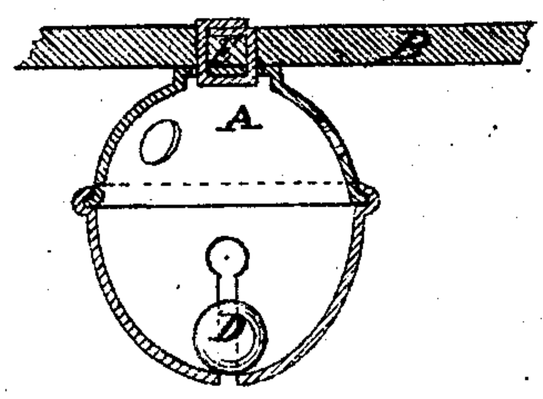


Fig. 3.



Witnesses.
Chas. Kenyon
Villette Anderson

Inventor.
W. H. Nichols
Chipman, Fozmer & Co.
Attys

116,085

UNITED STATES PATENT OFFICE.

WILLIAM H. NICHOLS, OF EAST HAMPTON, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO ROBERT H. HALL, OF SAME PLACE.

IMPROVEMENT IN SLEIGH-BELLS.

Specification forming part of Letters Patent No. 116,085, dated June 20, 1871.

To all whom it may concern:

Be it known that I, WILLIAM H. NICHOLS, of East Hampton, in the county of Middlesex and State of Connecticut, have invented a new and valuable Improvement in Sleigh-Bells; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

This invention relates to the construction of sleigh-bells and to their attachment to the strap. The invention consists, first, in a sleigh-bell, composed of two cups or sections of sheet metal, formed by stamping, and hardened by any suitable means to make the metal sonorous, one section being made with a flange, and the other with a concave rim, whereby the parts are joined, as hereinafter described.

The section of the bell which comes next to the strap is made with a flat base, in which are formed two narrow slots. Through these slots, and through openings in the strap, are passed the ends of a strip of metal, which are bent down on the inner surface of the strap, thus securing the bell.

The letter A of the drawing represents the base cup of my bell, or that portion which is immediately attached to the strap. B designates a portion of a strap. C represents that portion of the bell in which the slit is cut, and which is fastened to the base cup A in the manner presently to be described. These two cups A and C are usually stamped in dies. They are of sheet metal, and very light when compared with the cast sleigh-bell. In securing the two parts together, the concave rim *c*, which is formed in the die, at the edge of the cup C, is bent over the flanch *a*, which is formed around the edge of the base cup A, thus making a tight joint. D represents the jinglet, which is put in before the parts are joined. E represents the staple or clamp, by means of which the bell is secured to the strap. This, also, should be done before the portions A and C are joined. The ends of the staple are designed to be passed through suitable slots or apertures in the flat-bottomed recess *e* at the base of the cup A; then, having been passed through the strap, they are clinched on the other side thereof.

By making the base of the cup flat, and securing it by a plate-clamp passed through two slots in the cup, the liability to wabble and become loose and wear the strap is avoided.

These bells are not expensive in their manufacture. They are very light, and will neither wear the strap nor oppress the horse. As they are made in two parts they are readily attached, in the manner pointed out, to the strap, and there is no difficulty in the introduction of the jinglet.

I do not claim, broadly, a bell made of two sections of sheet metal joined, as toy-bells have been thus made; but

I claim—

1. As a new article of manufacture, a sleigh-bell composed of two sections, A C, of sheet metal hardened, the one being formed with a flanch, *a*, and the other with a concave rim, whereby the parts are joined, substantially as set forth.

2. In combination with a sectional sleigh-bell, A C, having a flat base provided with two slots, the plate-clamp E, inserted and bent, as herein set forth, to rigidly secure the bell to the strap.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM H. NICHOLS.

Witnesses:

ROBERT H. HALL,

JOHN S. MARKHAM.