

ANN HARRISON.
Sleigh-Bells.

No. 147,259.

Patented Feb. 10, 1874.

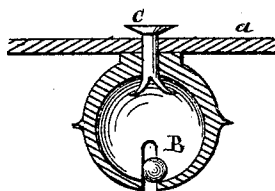


Fig. 1.

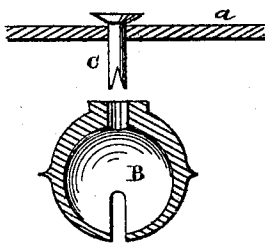


Fig. 2.

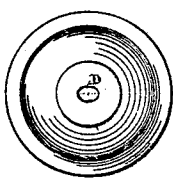


Fig. 3.



Fig. 4.



Fig. 5.

Witnesses.

James Harrison
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UNITED STATES PATENT OFFICE.

ANN HARRISON, OF EAST HAMPTON, CONNECTICUT.

IMPROVEMENT IN SLEIGH-BELLS.

Specification forming part of Letters Patent No. **147,259**, dated February 10, 1874; application filed February 20, 1873.

To all whom it may concern:

Be it known that I, ANN HARRISON, of East Hampton, in the county of Middlesex, State of Connecticut, have invented a new and useful Improvement in Sleigh-Bells; and I do hereby declare that the following is a full, clear, and exact description of the construction thereof, reference being had to the annexed drawings making a part of this specification, in which—

Figure 1 is a section of the strap, bell, slitted rivet-key, and the gingleet. The bell is fastened to the strap. Fig. 2 is a section of the strap, slitted rivet-key, and the bell, in the position of being put together. Fig. 3 is a front view of shank of the bell, showing the oval-shaped hole in the center. Fig. 4 is a front view of the widest side of the slitted rivet-key, showing the slit. Fig. 5 is a front view of the narrow side of the slitted rivet-key.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Letter *a*, Fig. 1, represents the strap; letter B, the bell; letter C, the slitted rivet-key that fastens the bell to the strap. Letter *a*, Fig. 2, represents the strap; letter C, the slitted rivet-key; letter B, the bell, not fastened to the strap. Letter D, Fig. 3, is the hole in the center of the shank of the bell. Letter E, Fig. 4, shows the slit in the rivet-key. The bell is made with a hole in the center of the shank, of any desired shape, excepting round. A slitted rivet-key is then made of form to correspond with the hole in the bell, and put into the strap, as shown in Fig. 2, letter C. The bell is then put over the rivet-key, and pressed

down flush with the strap *a*. A V-shaped tool is then put through the opening of the bell, and into the slit in the rivet-key, and a light blow with a hammer on the tool drives it down the slit, and opens or spreads the prongs of the slitted rivet-key, as shown in Fig. 1, letter C. The bell is then made fast to the strap.

In fastening small bells to the strap it is not necessary to make the slit in the rivet-key before the bell is put on. If a V-shaped tool is used, as above described, a sharp blow given to it by the hammer will cut and open the slit at the same time, and sufficiently to keep the bell fast to the strap.

It will be observed that the hole in the shank of the bell, as shown in Fig. 3 and letter D, is oval in shape, and the slitted rivet-key is made to correspond with it. This is done to prevent the bell from turning round or changing its position on the strap. It is obvious to any one that a square or oblong hole in the bell-shank, and a corresponding rivet-key, fastened in the manner described, will produce the same effect.

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

A sleigh-bell with an oblong hole in the bottom, running at right angles with the opening in the top, in combination with a slitted key of oblong cross-section, the end of which is opened after it is put through the strap and the bell, substantially as described, and for the purpose specified.

ANN HARRISON.

Witnesses:

JAMES HARRISON,
C. P. HARRISON.