A. E. TAYLOR.

Bells for Sleigh-Shafts.

No. 141,674. Patented August 12, 1873.

Fig. 1.

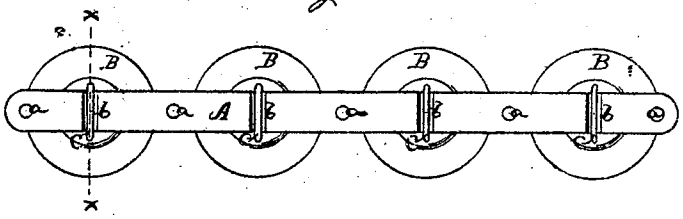
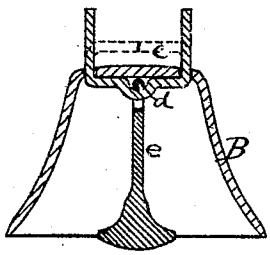


Fig. 2.

Fig. 3.



Witnesses.
Henry A Mitchell
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UNITED STATES PATENT OFFICE.

AUGUSTUS E. TAYLOR, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN BELLS FOR SLEIGH-SHAFTS.

Specification forming part of Letters Patent No. **141,674**, dated August 12, 1873; application filed March 24, 1873.

To all whom it may concern:

Be it known that I, AUGUSTUS E. TAYLOR, of New Britain, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Bells for Sleigh-Shafts, of which the following is a specification:

My invention consists in the metallic shaft-strap, and the peculiar manner of forming the eyes for the bell tongue and strap, as hereinafter more fully described.

In the accompanying drawings, Figure 1 is a plan view of a metallic strap and bells embodying my invention. Fig. 2 is a side elevation of said metallic shaft-strap; and Fig. 3 is a vertical section, on line *x x* of Fig. 1, of one of said bells.

A designates a metallic shaft-strap, provided with holes *a a a a* for securing it to the under side of a sleigh-shaft. It is also provided with corrugations, which form U-shaped recesses *b b b b* in the upper side of the strap A for the reception of the loop or eye *c*. I form the eye *c* for the insertion of the strap A, and the eye *d* for the reception of the tongue *e* of a single piece of wire or metal. The eye *d* is first formed, and the two arms or ends of the wire, from which it is formed, are bent upward a little distance each side of the eye *d*, as shown in Fig. 3, after which the two ends of the wire are passed through holes made to receive them at the top of the bell B, as also shown in Fig. 3. These ends are then bent at a little distance from the top of the bell B toward each other, which forms the eye *c* at the top of the bell, which eye *c* receives the strap A. The ends of the wire may be brazed or soldered together to give additional security, if desired. After securing the tongue *e* and eyes *c d*, as described, the metallic strap A is passed through the eye *c* of the respective bells B B B B, which are placed with their loops or eyes *c* resting in the recesses *b b b b*, when the device is ready to be secured to a sleigh-shaft.

It will be observed that this manner of forming the eyes *c d* from the same piece of metal makes it nearly, or quite, impossible for the bells to become detached from the strap A only by design. It is also evident that this peculiar manner of making the eyes is equally as well adapted for attaching bells to a leather strap as it is to a metallic one.

I claim as my invention—

1. The metallic shaft-strap A, recessed crosswise, for attaching bells to sleigh-shafts, substantially as described.

2. The eyes *c d*, formed of a single piece of metal and passing through the bell at two points, thereby encircling the tongue, a portion of the bell, and the strap, substantially as described.

AUGUSTUS E. TAYLOR.

Witnesses:
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JAMES SHEPARD.