J. M. ACKLEY
Sleigh-Bell.

No. 219,192. Patented Sept. 2, 1879.

fig. 1

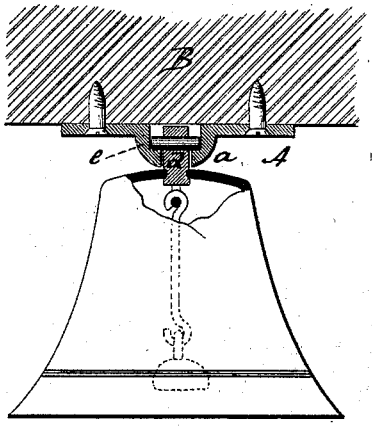


fig. 2.

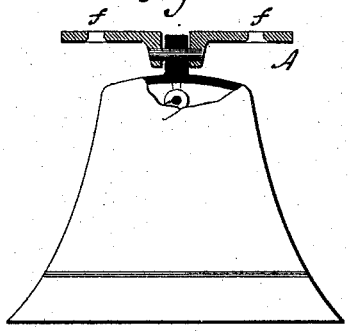
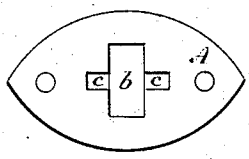


fig. 3.



Witnesses.
C. A. Shumway
Jos. C. Earle

John M. Ackley
Inventor
By atty.
John C. Earle

UNITED STATES PATENT OFFICE.

JOHN M. ACKLEY, OF EAST HAMPTON, CONNECTICUT.

IMPROVEMENT IN SLEIGH-BELLS.

Specification forming part of Letters Patent No. **219,192**, dated September 2, 1879; application filed April 9, 1879.

To all whom it may concern:

Be it known that I, JOHN M. ACKLEY, of East Hampton, in the county of Middlesex and State of Connecticut, have invented a new Improvement in Attaching Sleigh-Bells; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, sectional side view as attached to a shaft; Fig. 2, modification of the attaching device; Fig. 3, plan view of the socket.

This invention relates to an improvement in the method of attaching sleigh-bells to the shafts of a sleigh. This has usually been done by attaching the several bells to a leather strap, then tacking that strap to the under side of the shaft; but this makes the attachment so rigid that the full sound of the bell cannot be produced.

The object of this invention is to overcome this difficulty, as well as to enable the ready attachment of any desired number of bells; and it consists in the construction as hereinafter described, and particularly recited in the claim.

A is a plate, in which is formed a socket, *a*. The socket consists of a transverse slot, *b*, and seats or bearings *c*, longitudinally or at right angles to said slot, as seen in Fig. 3. The bell is provided with a shank, *d*, to extend upward through the slot *b*, then a pin, *e*, passed through the shank *d*, so as to set into the bearings *c c;* or the shank may be formed with trunnions. The plate A is then secured to the under side of the shaft, as seen in Fig. 1, leaving the bell free to swing transversely or in a plane parallel with the slot *b*. Each bell being provided with such a plate, A, the bells are independent of each other, and may therefore be conveniently attached in any number desirable; or one or more may be removed without necessarily disturbing those remaining.

Instead of the stud *d*, the bell may be made with a shank, as seen in Fig. 2, and the socket formed by a pair of ears, and a pin introduced through the ears and shank, as seen in Fig. 2. In any case the plate A is provided with screw-holes *f*, as a means for securing the plate to the shaft.

I am aware that sleigh-bells have been attached each to independent plates, and therefore do not broadly claim such device; but I am not aware that bells have been provided with a shank hinged by a transverse pintle through said shank. Therefore,

What I claim is—

The combination of the plate A, constructed with a slot, *b*, combined with a bell constructed with a rigid shank, *d*, and hinged to swing freely in said slot by a transverse pin, *e*, and a free hammer hung inside said bell, all substantially as described.

JOHN M. ACKLEY.

Witnesses:

JOS. C. EARLE,

JOHN E. EARLE.