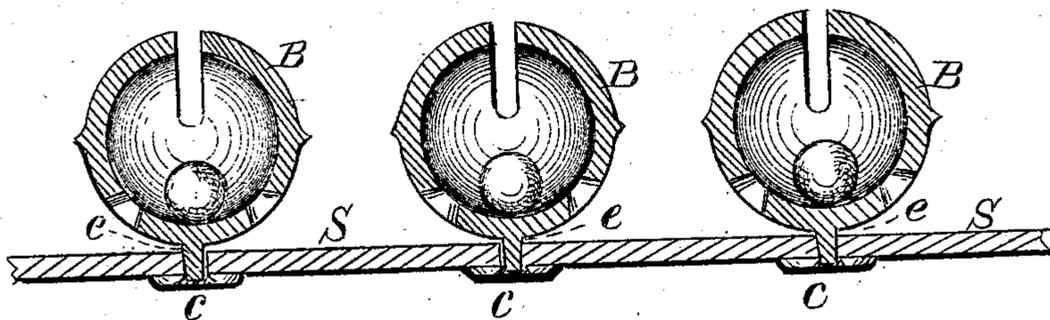


I. M. Welch,

Sleigh Bell.

No. 93,652.

Patented Aug. 10, 1869.



Witnesses:

C. A. Pettit
L. C. Mason

Inventor:

I. M. Welch
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Attorneys.

United States Patent Office.

DWIGHT M. WELCH, OF MIDDLE HADDAM, CONNECTICUT.

Letters Patent No. 93,652, dated August 10, 1869.

IMPROVEMENT IN ATTACHING BELLS TO STRAPS.

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, DWIGHT M. WELCH, of Middle Haddam, town of Chatham, in the county of Middlesex, and State of Connecticut, have invented a new and useful Improvement in Attaching Bells to Straps; 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 accompanying drawings, making a part of this specification, in which my invention is represented by a section taken through the centre of the bell and its shank, longitudinally with the strap.

This invention consists in attaching bells to straps, by means of a button or disk, which is soldered to the end of the shank of each bell after the latter has been inserted in a hole previously prepared for it in the strap, whereby a string of bells can be prepared in a few minutes, and at comparatively small expense, as will be hereinafter fully explained, by means of the button or disk *c*, soldered to the end of the shank *e* of each bell, so as to lie against the rear side of the strap in the manner clearly shown by the drawing.

The disk may be made of any suitable metal, and is to be convex on its rear side, so as to present a smooth, neat surface, which will not need to be covered or concealed by a lining, as heretofore.

The shank of the bells may be made shorter than when they are to be attached in the old way, or the old-fashioned shank may be employed, if preferred.

The work of attaching the bells, when made in this way, is very easy and brief. A little solder is kept at hand, and when a string of bells is called for, the proper strap (already stitched and prepared) is selected, the holes are cut in it, the bells inserted therein, a little solder dropped on the end of each shank, or in the concave of each disk, and the disks pressed against the shanks, each in its proper place.

The string, when thus prepared, is light and handsome. It can be furnished considerably cheaper than when made in the old way, and is much more durable.

Having thus described my invention,

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

Attaching bells to straps by means of solder, in the manner and for the purpose substantially as above described.

DWIGHT M. WELCH.

Witnesses:

CHAS. A. PETTIT,
HARRY M. PHILLIPS.