G. W. GOFF.

Sleigh Bells.

No. 166,521

Patented Aug. 10, 1875.

fig. 1.

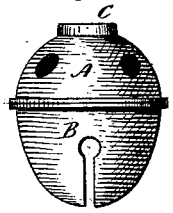
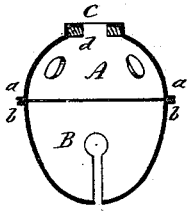


fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE W. GOFF, OF EAST HAMPTON, CONNECTICUT, ASSIGNOR TO THE EAST HAMPTON BELL COMPANY, OF SAME PLACE.

IMPROVEMENT IN SLEIGH-BELLS.

Specification forming part of Letters Patent No. **166,521**, dated August 10, 1875; application filed July 13, 1875.

To all whom it may concern:

Be it known that I, GEORGE W. GOFF, of East Hampton, in the county of Middlesex and State of Connecticut, have invented a new Improvement in 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, side view; Fig. 2, vertical section.

This invention relates to an improvement in the manufacture of that class of bells known to the trade as sleigh-bells.

These bells have usually been made from cast metal, turned and finished. Such are necessarily heavy, and in the manufacture occasion considerable waste of metal. This class of bells have, however, been made from sheet metal, the two parts joined by overlapping one with the other and striking the two parts together. In order to thus bend the metal it is necessary that the metal should be so soft as not to break in closing the one part upon the other; hence, a clear, ringing sound is almost impossible to attain.

The object of this invention is to produce a bell from sheet metal, which shall be clearer even than perfect cast-metal bells; and it consists in forming the bell in two sections from sheet metal, with a like flange upon the meeting edges of both, and soldering the flanges together upon their meeting surface.

From sheet metal sufficiently hard to produce the desired ringing sound the upper part A and the lower part B of the bell are cut and struck into form, the division of the bell being preferably at the largest diameter. At the edge of the two parts a slight flange is turned outward, as at *a b*, and these are securely soldered together. The upper part A is formed with the usual-shaped shank C, and filled, as at *d*, to give the required strength for securing the bell to the strap.

As by this construction the usual closing of one part over the flange of the other is avoided, it enables the employment of a very much harder metal than can be used in that construction; hence, a much clearer ring is the result.

The united flanges form a bead around the bell, which rather adds to than detracts from its appearance.

If preferred, the division may be vertical instead of transverse, as shown, and as above described.

I claim—

As an article of manufacture, the herein described sleigh-bell, consisting of the two parts A B formed from sheet metal, and their meeting edges soldered as the only means for securing the said two parts together.

GEORGE W. GOFF.

Witnesses:
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