# W. M. SMITH.

## Coffin-Handles.

No. 150,901. Patented May 12, 1874.

*Fig. 1.*

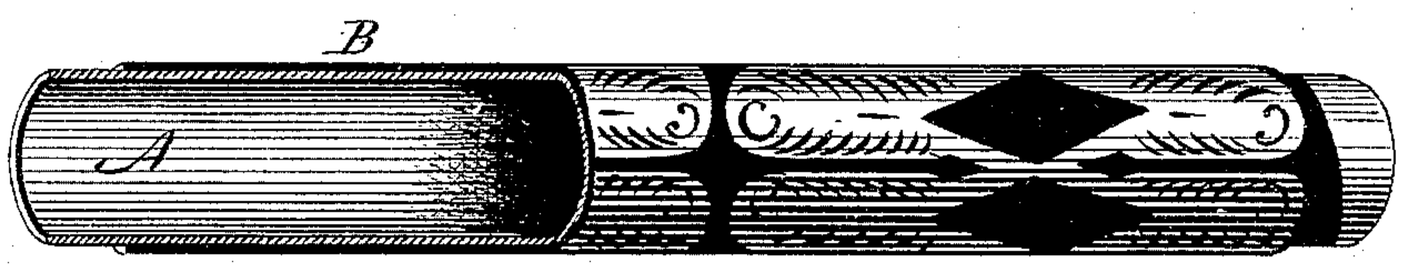
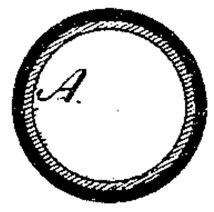



*Fig. 2.*




Witnesses.
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# UNITED STATES PATENT OFFICE.

WILLIAM M. SMITH, OF WEST MERIDEN, CONNECTICUT, ASSIGNOR TO THE MERIDEN BRITANNIA COMPANY, OF SAME PLACE.

## IMPROVEMENT IN COFFIN-HANDLES.

Specification forming part of Letters Patent No. **150,901**, dated May 12, 1874; application filed March 26, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM M. SMITH, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Coffin-Handles; 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, a sectional perspective view, and in Fig. 2 a transverse section.

This invention relates to an improvement in the construction of the bar of coffin-handles—that is, the bar which is grasped by the hand in lifting.

These have usually been made from sheet metal, ornamented by some embossing process, or cast solid, with bolts at each end, or a rod through, by which to secure the levers. The first affords but a limited ornamentation, and the latter are too heavy.

The object of this invention is to produce a highly-ornamental handle, and yet little, if any, heavier than the common sheet-metal handles; and the invention consists in a sheet-metal or tubular base, over which a thin surface of metal is cast in a mold, to give the desired form and ornamentation.

A is a sheet or other suitable metal tube, which forms the base or interior of the bar B, the cast-metal surface shown in solid black in section. The mold is prepared for casting the handle in substantially the usual manner, except a core-print at each end. The mold may be of any degree of ornamentation, but of so much larger diameter than the inner tube that the exposed portion will be substantially covered. The tube A is laid into the mold as a core is laid into other molds; then the metal poured into the mold flows around and forms an ornamental surface upon the tube corresponding to the mold, and as seen in Fig. 1.

If desirable, at points the depressions in the surface may extend to the tube, and thus cause the tube to form the bed or base of ornamentation. Thus at small cost is produced a highly-ornamental but light handle.

I do not broadly claim casting ornaments of soft metal upon a hard-metal base, as such, I am aware, is not new.

This bar constitutes in itself an article of manufacture, as it is adapted to many classes of levers, and may be made and supplied to different manufacturers or dealers, to go with certain classes or kinds of levers.

I claim as my invention—

As an article of manufacture, the herein-described handle or lifting-bar, consisting of the wrought-metal tube or base A and cast-metal surface B cast thereon, substantially as specified.

WILLIAM M. SMITH.

Witnesses:
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