H. E. FOWLER.

BLANKS FOR METAL FORKS AND SPOONS.

No. 192,910. Patented July 10, 1877.

Fig. 1

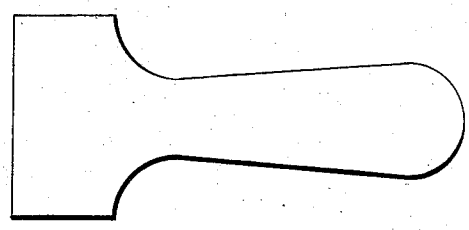


Fig 2

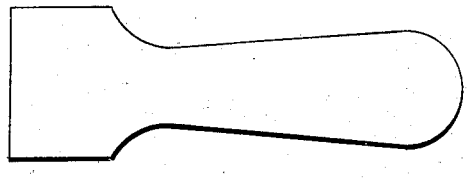
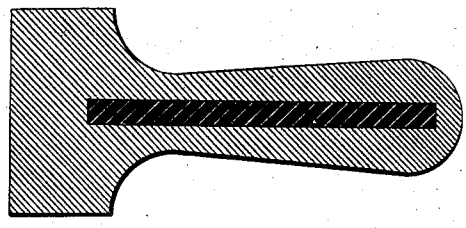


Fig 3



Witnesses.
Roger M. Sherman
William F. Hopson

Inventor:
Herbert E. Fowler
by George Terry
Atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HERBERT E. FOWLER, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN BLANKS FOR METAL FORKS AND SPOONS.

Specification forming part of Letters Patent No. **192,910**, dated July 10, 1877; application filed May 9, 1877.

To all whom it may concern:

Be it known that I, HERBERT E. FOWLER, of the city and county of New Haven and State of Connecticut, have invented a new and useful Improvement in Blanks for Forks and Spoons, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, which forms a part of the same.

My invention relates to blanks for spoons and forks; and consists in cast soft-metal blanks inclosing bars of hard metal, the object of the invention being to stiffen the handles of the spoons and forks by means of the hard metal.

In the drawing, Figure 1 is a view of a blank for a spoon, and Fig. 2 of a blank for a fork. Fig. 3 is a longitudinal section of the blank through the inclosed bar, showing its extent.

These blanks do not differ in form from the ordinary blanks of German silver or Britannia metal, which are rolled into spoons and forks, the difference consisting in the blanks inclosing a bar of hard metal.

Fig. 3 is a section through the length of the blank and inclosed bar, showing the extent of the bar.

The soft metals, as lead, tin, bismuth, and zinc, are not hardened nor made elastic by rolling, whereas the hard metals, iron, copper, and their alloys are hardened and made elastic by the process. It has been ascertained by trial that these properties are imparted to hard metals in an equal degree when cased or inclosed in soft metal and the two metals rolled together.

The blanks are molded in the usual way, and the bars are placed in the molds, and the melted metal flows around them, soldering the hard and soft metal together.

I am well aware that bars of hard metal have been placed in molds in which spoons of soft metal have been cast for the purpose of stiffening the handles.

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

A cast-metal blank for spoons and forks, consisting of a soft-metal exterior, with an interior bar of harder metal inclosed, as and for the purpose set forth.

HERBERT E. FOWLER.

Witnesses:

GEORGE TERRY,

WILLIAM F. HOPSON.