

(Model.)

C. REUSCH.

MANUFACTURE OF ENAMELED SHEET METAL WARE.

No. 292,051.

Patented Jan. 15, 1884.

Fig. 1.

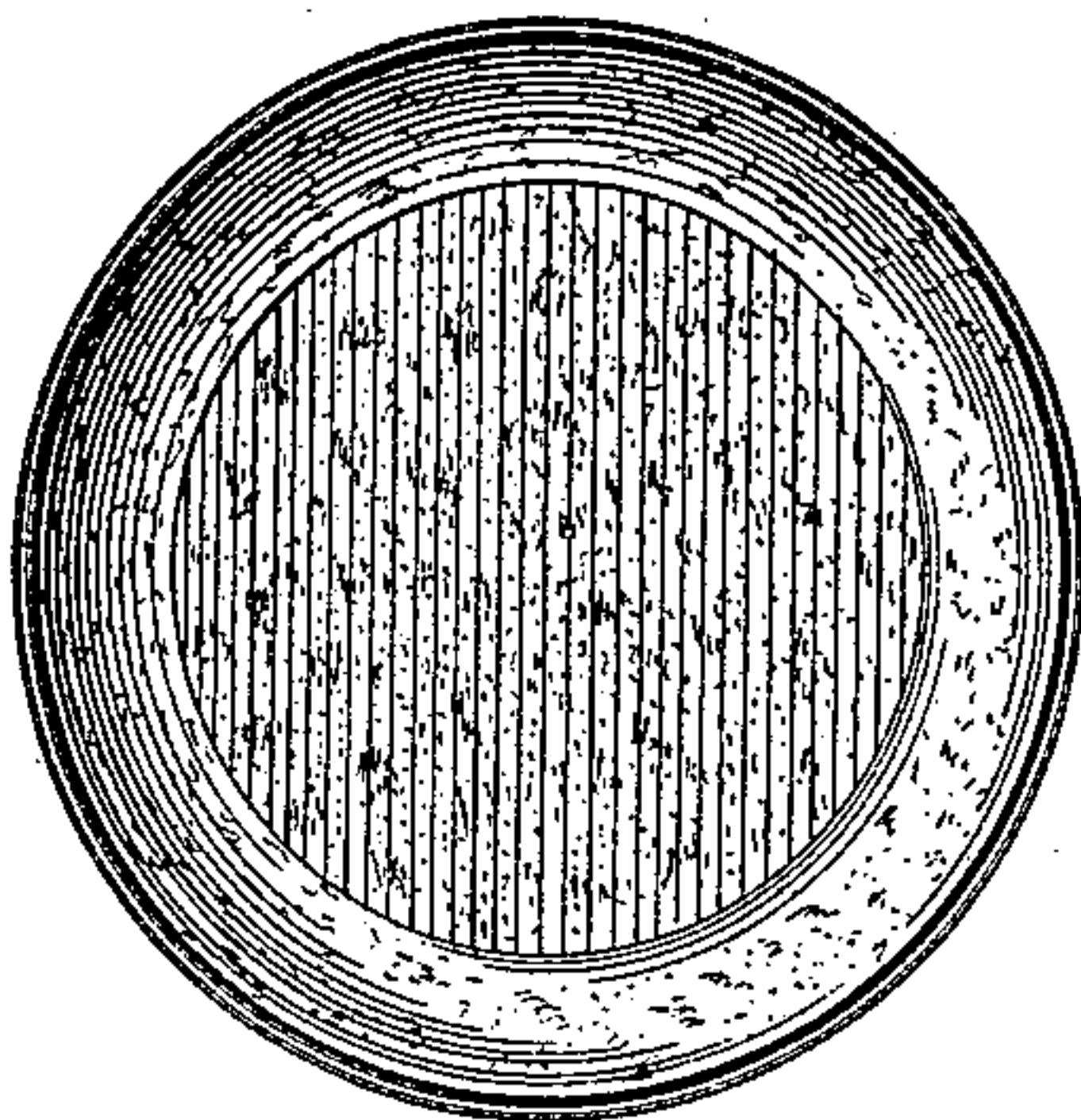


Fig. 2.

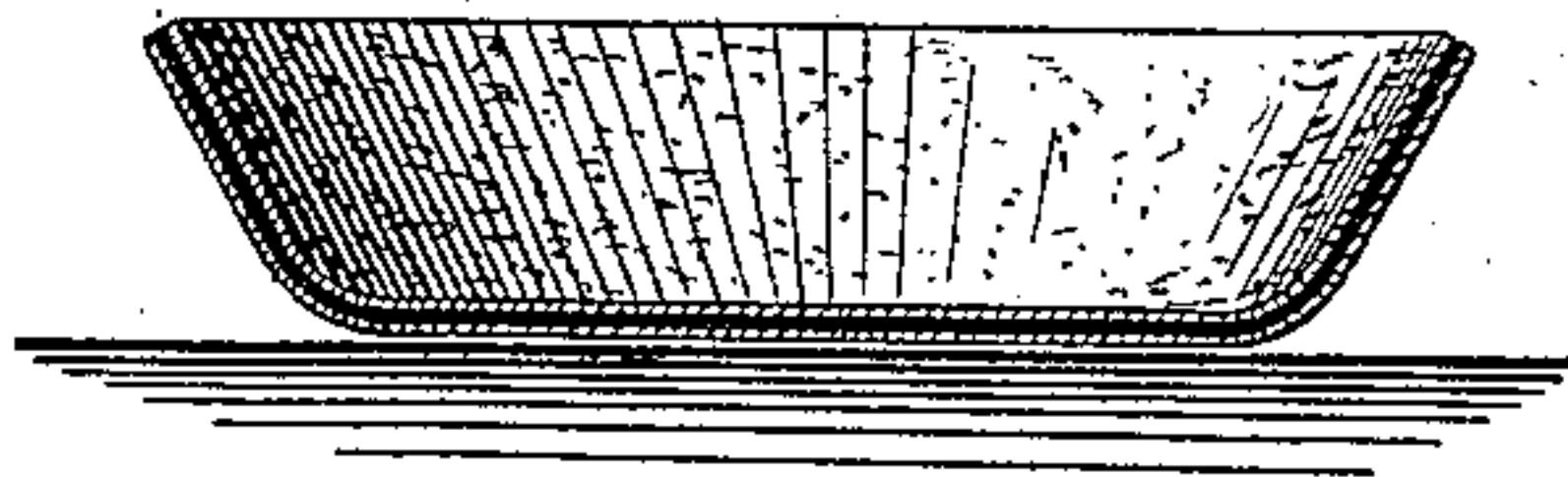
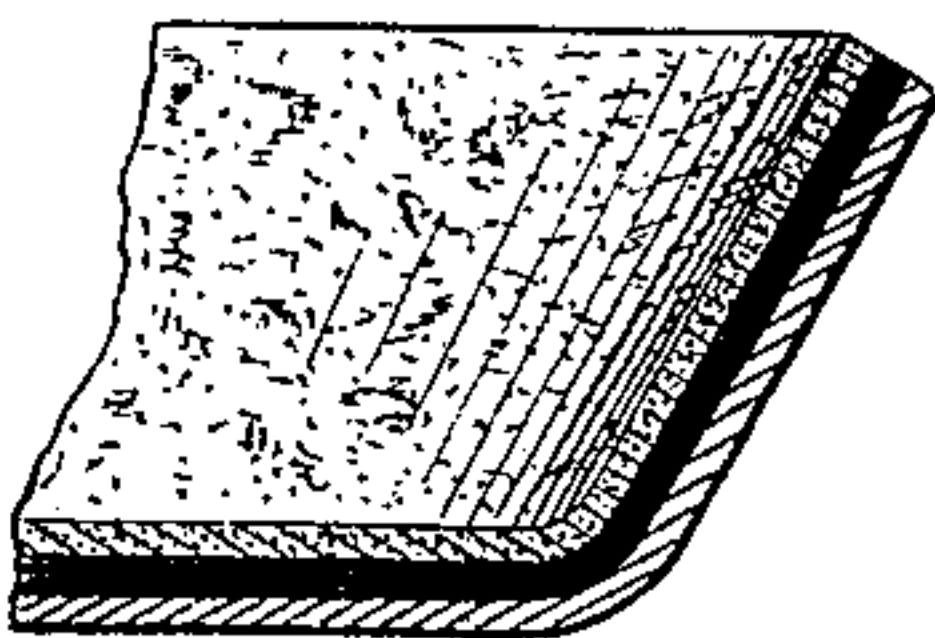


Fig. 3.

WITNESSES:

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INVENTOR

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UNITED STATES PATENT OFFICE.

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MANUFACTURE OF ENAMELED SHEET-METAL WARE.

SPECIFICATION forming part of Letters Patent No. 292,051, dated January 15, 1884.

Application filed June 22, 1883. (Model.)

To all whom it may concern:

Be it known that I, CARL REUSCH, of the city, county, and State of New York, have invented certain new and useful Improvements
5 in the Manufacture of Enameled Sheet-Metal Ware, of which the following is a specification.

In enameled sheet-metal wares, as heretofore manufactured, the body of the vessel was first stamped into proper shape from sheet-iron,
10 then coated on its interior surface with enamel, after which the exterior surface was coated by electro-deposition with copper or other suitable metal. The thin exterior coating of copper was liable to wear off by use,
15 so that the iron body was exposed, whereby the appearance, as well as the durability, of the vessel became impaired.

The object of this invention is to manufacture enameled sheet-metal ware in such a manner that a thick and substantial exterior protecting-layer of copper or other suitable metal is given to the sheet-iron body of said ware, whereby greater durability is obtained; and the invention consists of the method of making enameled sheet-metal vessels, which consists, first, in uniting a sheet of iron by rolling with a sheet of copper or other suitable metal; secondly, stamping or forming said sheets into the required hollow shape; and,
25 finally, lining the interior surface of said articles with a suitable glaze or enamel. In this manner a vessel is produced that has an exterior coating of copper or other metal of considerable thickness and an interior protecting
35 layer or coating of enamel.

In the accompanying drawings, Figure 1 represents a perspective view, and Fig. 2 a vertical transverse section, of a vessel made according to my improved method, and Fig. 3 is a
40 vertical transverse section on a larger scale.

Similar letters of reference indicate corresponding parts.

In carrying out my invention, sheet-iron is first united by rolling it in any approved
45 method, together with a layer of copper, brass,

or other suitable metal, for which purpose I prefer to use the process patented to Hermann Reusch, under date of May 16, 1882, No. 258,119. The sheet metal thus obtained is next stamped or shaped into suitable form
50 by dies or other mechanical means, in such a manner that the layer of copper or other metal is on the outside of the vessel. The interior surface of the vessel thus formed is then coated with an enamel or vitrified glaze by any known
55 approved process. By this manner sheet-metal ware is obtained that can be furnished at a comparatively low figure, as the body of the ware is composed of cheap material, while the exterior layer of copper imparts to it the
60 appearance of solid copper-ware. The interior surface is protected by enamel, whereby said ware is especially adapted for culinary and similar purposes.

Having thus described my invention, I claim
65 as new and desire to secure by Letters Patent—

1. The process herein described of making enameled sheet-metal ware, which consists, first, in uniting a layer of sheet-iron with a layer of copper or other suitable metal; secondly, stamping or forming said sheets into various hollow forms, with the copper or other metal at the outside; and, lastly, lining the interior surface of said sheet-iron body with a suitable glaze or enamel, substantially as and
75 for the purpose set forth.

2. As a new article of manufacture, an enameled sheet-metal vessel formed of a body of sheet-iron having an exterior covering-layer of copper or other suitable metal united thereto by rolling, and an interior protecting-coating of enamel or glaze, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CARL REUSCH.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.