

D. G. REA.
PROCESS OF MANUFACTURING PLATED GOODS
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1,060,361.

Patented Apr. 29, 1913.

Fig. 1.

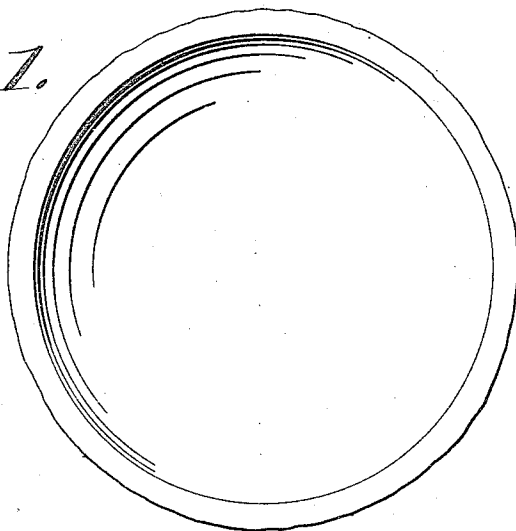


Fig. 2.

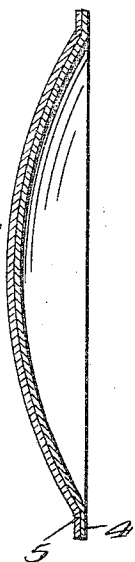
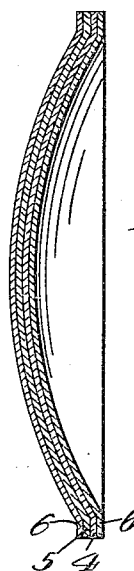


Fig. 3.



WITNESSES

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PROCESS OF MANUFACTURING PLATED GOODS.

1,060,361.

Specification of Letters Patent.

Patented Apr. 29, 1913.

Application filed January 6, 1913. Serial No. 740,336.

To all whom it may concern:

Be it known that I, DAVID G. REA, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Processes of Manufacturing Plated Goods, of which the following is a specification.

This invention has reference to an improvement in the process of protecting the surface of precious metal during the act of forming and securing the various parts of an article together in the construction of the article.

The object of the invention is to protect the precious metal surface against oxidation caused by the application of heat in soldering the parts together, also from scratches or other injury caused by the handling of the parts in assembling them.

The invention consists in the successive steps of the process whereby the surface of precious metal is protected during the assembling of the parts and in the removal of the protection.

Figure 1 is a plan view of the blank of one side of a case after the same has been shaped. Fig. 2 is a section of the blank showing the layer of precious metal and the supporting layer of base metal. Fig. 3 is a section of the blank, showing the layer of precious metal, the supporting layer of base metal and the protecting layers.

In carrying out my invention I first form or shape the various parts necessary for the construction of an article of plated metal in the rough, that is to say—in a case—the sides, the lining, the hinges and the latch. I then electroplate the surfaces of these various parts with a base metal, preferably nickel. I then trim and fit the various blanks or parts and secure the various parts together by solder or otherwise to assemble the article. After the various parts have been secured together and the article is ready for the final finishing or polishing

process, I subject the complete article to an electrobath and remove or strip the outer covering of base metal. In the case of the use of nickel, I remove or strip the nickel surface from the precious metal surface, leaving the precious metal surface in perfect condition for the polishing process, free from oxidation or injury incidental to the handling of the article during the assembly of the same.

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

1. The process of protecting the surface of the various parts of an article formed of precious plated metal during the construction or formation thereof, the same consisting in plating the surface of the said parts with a base metal, then assembling the said parts, and finally removing or stripping the said base metal from the surface of said precious metal upon completion of the article.

2. The process of manufacturing articles of precious plated metal, the same consisting of electroplating the surface of the various parts of the article with nickel to protect same, then assembling the said parts to form the completed article, then subjecting the article upon completion to an electrobath to remove the coating of nickel, thus exposing the surface of precious metal, and finally polishing or finishing the said surface.

3. The process of protecting the surface of articles during the formation thereof, consisting in applying a metallic coating to the article and then in removing the coating upon completion of the article.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID G. REA.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER.