

# UNITED STATES PATENT OFFICE.

KARL GOSSWEILER, OF VIENNA, AUSTRIA-HUNGARY.

## METHOD OF MANUFACTURING CLEAN EDGES IN ENAMELED WARE.

No. 828,107.

Specification of Letters Patent.

Patented Aug. 7, 1906.

Application filed April 12, 1906. Serial No. 311,377.

*To all whom it may concern:*

Be it known that I, KARL GOSSWEILER, manufacturer, a citizen of the Empire of Germany, residing at Vienna, Austria-Hungary, have invented certain new and useful Improved Methods of Manufacturing Clean Edges of Enameled Ware, of which the following is a specification.

As is well known, the edges and corners of enameled ware are particularly susceptible to damage, and the main reason for the ware becoming unusable is found in the enamel chipping off the said parts, which causes the enamel to gradually further loosen. To overcome this defect, the said parts have hitherto been left free from enamel during burning and have been either galvanized or polished—for instance, as described in specification belonging to German Patent No. 65,450 and Swiss Patent No. 4,891. However, this method has for its disadvantage that to give the said parts a non-porous fast-adhering galvanic coat of a thickness to meet the daily use it is much too expensive to be also applicable for cheap ware and that a thick galvanic coat does not properly unite with the enamel, which causes cracks between the same liable to gather dirt. The second method, according to which the said parts are simply polished, is defective, inasmuch as the polish is not durable. The rough metal surfaces will soon oxidize, and to remain clean require rubbing frequently, which causes the enamel adjacent thereto to suffer. To obviate the said de-

fects, according to this invention the parts of the ware most liable to damage are formed blank by binding or covering it before enameling with sheet-nickel, nickled sheet-steel, or the like and afterward coating the ware with enamel up to or a little over the said binding or covering and finally burning the ware. This causes the enamel to adhere to the said binding and covering as fast as to the other parts of the ware, so that there will be no interstice. By this method enamel ware can be produced in which the prominent parts have a durable metal binding or covering easily kept bright to which the enamel coat will adhere as fast as to the other parts of the ware. The said method will work perfectly well along with those already customary in enamel-works.

Having now particularly described my invention, what I claim is—

Improved method of manufacturing clean edges and surfaces of enameled ware, consisting in binding or covering the parts of the ware most liable to damage, before enameling, with sheet-nickel, nickled sheet-steel or the like and afterward coating the ware with enamel up to or a little over the said binding or covering and finally burning the ware.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

KARL GOSSWEILER.

Witnesses:

FRIEDRICH BINDER,  
ALVESTO S. HOGUE.