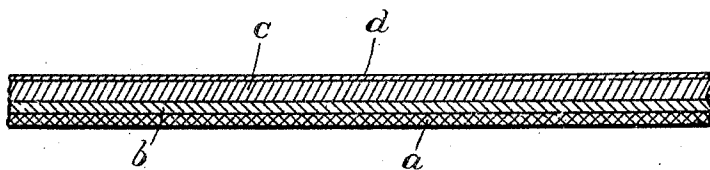


No. 802,616.

PATENTED OCT. 24, 1905.

W. WACHTER.
PROCESS OF TRANSFER ORNAMENTATION.
APPLICATION FILED JUNE 29, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

WILHELM WACHTER, OF LEIPSIC, GERMANY, ASSIGNOR TO MAX
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PROCESS OF TRANSFER ORNAMENTATION.

No. 802,616.

Specification of Letters Patent.

Patented Oct. 24, 1905.

Application filed June 29, 1905. Serial No. 267,617.

To all whom it may concern:

Be it known that I, WILHELM WACHTER, a subject of the King of Saxony, and a resident of 81 Eisenbahnstrasse, Leipzig-Volkmar-
dorf, in the Kingdom of Saxony, German Em-
pire, have invented a new and useful Process
of Transfer Ornamentation, of which the fol-
lowing is an exact specification.

My invention relates to a process for orna-
menting porcelain, stoneware, majolica-ware,
bricks, metal sheets, and the like by means of
transfer designs. Hitherto the decoration of
such objects has been effected by means of the
usual transfer designs and after the transfer-
glaze is applied to the body, which is then
burned and afterward dipped in the glaze
and burned a second time. This process is,
however, very troublesome and expensive.
My new process overcomes all these incon-
veniences by applying the designs to the
transfer-paper in such a way that the article
to be decorated is only coated with glaze and
then fired, whereupon the picture and the
glaze are burned in one operation.

The manipulation is as follows: Referring
to the accompanying drawing, the paper *a* is
first coated with a gummy mixture *b*, here-
inafter described and consisting, preferably,
of carbohydrate, and then the dry glaze *c* is
applied and mixed with a vehicle—such as
dextrin, varnish, mucilage of carrigeen-moss,
or the like. The paper is then made smooth
and printed with color containing the same
mixture as the vehicle. The transfer-paper
is now applied in the well-known manner to
the article to be decorated or a metal which
is then coated with glaze and burned. The
picture *d* appears under the glaze in one burn-
ing operation.

The mixture serving as a vehicle for the
colors and the glaze is a gummy solution of
carbohydrate in water, to which fat may be
added. Preferably vegetable mucilage and
sugar are used and for the present purpose is
particularly suitable mucilage of carrigeen-
moss (Irish moss) with or without the addi-

tion of the usual substances—as fat, dextrine,
and the like. A good mixture is obtained in
the following manner: A mucilage is pro-
duced consisting of two hundred grams car-
rigeen-moss in one hundred grams of water,
and in this mucilage are then dissolved three
hundred grams of burnt sugar.

Having thus fully described the nature of
my invention, what I desire to secure by Let-
ters Patent of the United States, is—

1. The process for ornamenting porcelain,
stoneware, majolica, bricks, metal sheets and
the like by means of transfer designs under
glaze, consisting in transferring the design
onto the base from transfer-paper having the
design printed upon a layer of glaze, where-
upon the object is coated with glaze and then
burned, for the purpose as described.

2. The process of ornamenting porcelain or
the like, consisting in first coating the trans-
fer-paper with a gummy solution of one or
more carbohydrates, and then with a layer of
glaze, then printing the design upon the layer
of glaze, transferring the design to the arti-
cle to be ornamented, then coating the trans-
ferred design with glaze and then burning the
object.

3. The process of ornamenting porcelain or
the like, which consists in first coating the
transfer-paper with a mixture comprising one
hundred grams of water, two hundred grams
of mucilage of carrigeen-moss and three hun-
dred grams of burnt sugar, then applying a
glaze to the paper, then printing with suit-
able colors which are also ground with the
said mixture, then transferring the design to
the object to be ornamented, then applying a
coating of glaze to the design and then burn-
ing, substantially as set forth.

In witness whereof I have hereunto set my
hand in the presence of two witnesses.

WILHELM WACHTER.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.