

UNITED STATES PATENT OFFICE.

EDWIN LLOYD, OF EUSTON ROAD, COUNTY OF MIDDLESEX, ENGLAND.

PROCESS OF DECORATING GLASS.

SPECIFICATION forming part of Letters Patent No. 307,126, dated October 28, 1884.

Application filed April 22, 1884. (No specimens.) Patented in England January 19, 1884, No. 1,756.

To all whom it may concern:

Be it known that I, EDWIN LLOYD, a subject of the Queen of Great Britain, and residing at George Street, Euston Road, in the county of Middlesex, and Kingdom of Great Britain, have invented a certain new and useful Improved Process of Decorating Glass, (for which an application for Letters Patent in Great Britain, dated the 19th day of January, 1884, and numbered 1,756, is now pending;) and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in decorating smooth or polished glass by painting, printing, etching, or engraving a design or ornamentation on the back surface thereof and then coating such design or ornamentation with a protecting medium and with a material to produce a ground or backing for such design or ornamentation. I take a sheet of plate or other glass polished on both sides and I paint, print, etch, or engrave the intended design or ornamentation on the back thereof; or I produce the design by any combination of two or more such processes. I then coat the design with a suitable protecting varnish—such as that known as “transparent mastic varnish,” for example—and when the same is dry I coat the whole back surface of the glass, including the design or ornamentation, with silver or gold leaf, or otherwise silver or gild the same by any of the known processes, so as to produce a mirror-like brilliant silver or gold surface on all parts of the sheet of glass, except that covered by the painted or otherwise-colored design. I then coat the silvered or gilded back with varnish, thick red-lead paint, or other pro-

tecting medium or backing. The coating of transparent varnish applied to protect the design before the silvering process should be such as will not be attacked by the acids or other chemicals employed in the said silvering or gilding process, and I have found that the varnish known as “mastic” varnish is suitable for the purpose; but other kinds may be employed, according to circumstances.

I am aware that it is not new to decorate or ornament smooth or polished glass by painting, printing, etching, or engraving on the back thereof, or to silver or gild the back surface of such glass, or to apply protecting media to the back surfaces of such decoration or ornamentation, or of the silvering or gilding; but heretofore, so far as I am aware, such processes have never before been used together to produce a decorative or ornamental effect on smooth or polished glass.

I claim—

The improved process for decorating smooth or polished glass, consisting of the combination of the following operations: first, painting, printing, etching, or engraving a design or ornamentation on the back surface of the glass; second, coating the said design or ornamentation with protecting-varnish; third, silvering or gilding the back of the glass and the design or ornamentation thereon; and, fourth, coating the silvered or gilded back with varnish, red-lead paint, or other protecting medium or backing, the whole as hereinbefore described.

EDWIN LLOYD.

Witnesses:

CHARLES LLOYD,
111 Godolphin Road, Shepherds Bush, London.
ROBERT LOWEN,
1 George Street, Euston Road, London, N. W.