

# UNITED STATES PATENT OFFICE.

AUGUSTE PELLET, OF PARIS, FRANCE.

## PROCESS OF ORNAMENTS LEATHER-CLOTH.

Specification forming part of Letters Patent No. 30,242, dated October 2, 1860.

*To all whom it may concern:*

Be it known that I, AUGUSTE PELLET, of Paris, France, have discovered a new and useful process of illustrating and decorating leather, (crocket,) &c., by which they are fitted for a variety of new manufactures subject to friction and wear, as hereinafter described; and I do herein ascertain and set forth my said improvement, which can be used in manufacturing apparel, toilet articles, architecture, and furniture.

The artificial leather or leather-cloth is a well-known manufacture in the india-rubber trade, and needs no particular description. The oil mordants, colors, and pigments are also well known to the trade. These therefore I shall not particularly describe, as any person skilled in the art will understand them; but I shall in the subjoined description confine myself to the variations from well-known methods.

The object of my invention is to illustrate and decorate leather-cloth by such means as will not elevate said decorations above the surface of the article decorated, so as to withstand weather, wear, or manufacture into articles of utility and service without cracking or other injury.

By the ordinary means of impressing figures and decorations heretofore adopted for what is known as "leather-cloth" or "enameled cloth," it would rub in the making and soon become disfigured by wear, cracking and obliterating by use or rubbing. Impressed with the serious inconvenience which materially limits the use of these decorated cloths, I have tried to combine such means as would produce figures and decorations upon leather-cloth that would not be injured either by manufacture, rubbing, or any other influence to which it might be submitted. To obtain this result I decorate the leather-cloth by the following processes: The leather-cloth is taken before it is varnished and the decorative figures impressed thereon by stencil, cylinder, stamp, or any other

means convenient and proper, either in black or other colors, or in gold or silver, &c. These designs are printed by means of mordants of oil, and care must be taken to print with the colors so thin as to sink to the surface of the leather-cloth, contrary to the practice heretofore adopted, which leaves the figures raised above the surface. In fact, all the projections of colors, however thin or light they may be, present difficulties in the after process used by me of calendering, and are inconvenient to preserve from injury by friction and wear, which more seriously damages the raised impressions than the flat-surface figures employed by me. By printing the colors without being raised above the surface, printing with the oil mordants on unvarnished leather-cloth, the printed tissues possess the same qualities as the plain unornamented tissues, and it will consequently wear as long without defacing, which is not the case with former manufactures of ornamented leather-cloth. After the ornaments are made upon the cloth it is varnished and then passed under a cylinder to insure a firm surface to the impression.

That which distinguishes my system of illustration from previous ones is the peculiar succession of operations to secure the firmness and durability of the ornaments, consisting of first ornamenting the unvarnished tissue with colors that sink to the surface thereof, and then varnishing and rolling the same to complete operation; and this I claim as my invention, for the purposes set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

AUGUSTE PELLET.

Witnesses:

AMÉDÉE TIETOLET,  
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