

# UNITED STATES PATENT OFFICE.

LOUIS GUSTAVE SOURZAC AND LOUIS BOMBAIL, OF BORDEAUX, GIRONDE,  
FRANCE.

## IMPROVED MODE OF RENDERING LEATHER MORE DURABLE AND FLEXIBLE.

Specification forming part of Letters Patent No. 59,736, dated November 13, 1866.

*To all whom it may concern:*

Be it known that we, LOUIS GUSTAVE SOURZAC and LOUIS BOMBAIL, of Bordeaux, Gironde, in the Empire of France, gentlemen, have invented certain new and useful Means for Rendering Leather More Durable and Flexible; and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known, and of the usual manner of making, modifying, and using the same.

The process for carrying out our invention consists of two parts—first, of a bath; second, of a coating.

*Composition of the bath.*—Introduce in about five quarts of water about two and a quarter pounds of red tartar, about five ounces of common salt, and about two ounces of Brazil wood. The whole is boiled during half an hour and kept for use, the residue remaining at the bottom of the bath, so as to retain its entire strength and efficacy.

*Composition of the coating.*—Take about thirteen ounces of siccative linseed-oil, known in commerce by the name of "fatty oil," about thirteen ounces of ordinary linseed-oil, and about one and a half ounce of orchanet. Mix the whole together and place the mixture on a gentle fire during two hours to reduce it to about seventeen ounces. When the mixture or coating becomes cold, add to it about two ounces of dried garlic, peeled and crushed, and about one ounce of burnt bread-crusts, reduced into small pieces. Place the whole in any suitable recipient, taking care to cover it. It is then to be kept for use. The properties of the coating increase with time.

*Application of the coating and of the bath on leather submitted to our new processes.*—Take the

leather and apply on the side of the hair a single layer of the coating. When the leather has absorbed the first coating, place it in the bath, where it is left to rest about forty-eight hours. After this interval of time, withdraw it from the bath and dry it in the shade, taking care never to place it in the sun or in a stove. The time that the leather takes to dry is subordinate to its quality. When it is seen that the leather is dry, we again apply to it, on the side of the hair, one or several layers of the coating, according to the quality of the leather, in such manner that this latter may be entirely soaked by the coating, which is soon ascertained by examining the leather on the fleshy side, which should present to the eye a black color, being similar to that of the side of the hair. This will be sufficient proof that the operation is finished. From this moment the leather must be left to dry in the shade during twelve to fifteen days, according to the temperature, and afterward introduced into commerce, with the certitude of having rendered it one hundred to one hundred and twenty-five per cent. more durable by our improved process.

Having now described the nature of our said invention, and in what manner the same is to be performed, we wish it to be understood that we do not confine ourselves to the precise details herein laid down; but

What we claim is—

The improved process herein described for rendering leather more durable and flexible.

L. SOURZAC.  
L. BOMBAIL.

Witnesses:

SCHOEPFER,  
NERGES.