

UNITED STATES PATENT OFFICE

FREDERIC H. L. C. SACC, OF NEUFCHATEL, SWITZERLAND.

IMPROVEMENT IN PRESERVING HIDES.

Specification forming part of Letters Patent No. **171,177**, dated December 14, 1875; application filed November 27, 1875.

To all whom it may concern:

Be it known that I, FREDERIC H. L. C. SACC, of Neufchatel, Switzerland, have invented certain new and useful Improvements in Preserving Green Hides, of which the following is a specification:

My process of preserving green hides is based essentially upon the employment of chromic acid, pure or combined, in the manner substantially as hereinafter stated.

At the present time I make use of a solution of one (1) part of bichromate of potash ($2\text{CrO}_3, \text{KO}, \text{HO}$) to ten (10) parts of warm water. The skins to be preserved are soaked in this solution for twenty-four hours usually; but this time may be more or less than twenty-four hours, according to the temperature of the atmosphere, the thickness of the skins or hides, and their dryness. This simple operation is sufficient for the purpose.

I can use in conjunction with bichromate of potash certain salts, such as those of alumina, zinc, or copper, pyroligneous acid, common salt, &c.

I am aware that heretofore it has been pro-

posed to use bichromate of potash in solution for the preservation of skins; but the proportion of the preservative agent employed was so small as to be practically ineffective to accomplish the result aimed at.

Experiments which I have instituted have demonstrated that in order to preserve green hides or skins, the preservative agent must be employed in about the proportions stated, in order to render the process expeditious and practically effective as well.

What I claim, and desire to secure by Letters Patent, is—

The process of preserving green hides by the employment of chromic acid, pure or combined, substantially in the manner and proportions set forth.

In testimony whereof I have hereunto signed my name this 22d day of November, A. D. 1875.

FREDERIC SACC.

Witnesses:

R. A. PIPER,
W. H. L. LEE.