

UNITED STATES PATENT OFFICE.

JOSEPH ANDERSON, OF MOUNT PLEASANT, PENNSYLVANIA.

IMPROVEMENT IN TANNING PROCESSES.

Specification forming part of Letters Patent No. **146,742**, dated January 27, 1874; application filed May 19, 1873.

To all whom it may concern:

Be it known that I, JOSEPH ANDERSON, of Mount Pleasant, Westmoreland county, Pennsylvania, have invented a certain Compound for Tanning Leather, of which the following is a specification:

My invention relates to an improvement in tanning leather by the use of saturating-oils, in combination with tanning materials, by the following process:

To make the saturating-oils, take three parts cod, castor, olive, or any other of the oils in use among tanners; to either of these add one part turpentine.

First apply the saturating-oils to the green hides, after being prepared by the usual method for tanning. For twenty-five hides, or one hundred calf-skins, take three gallons of saturating mixture, and handle the green hides therewith by the wheel or cylinder process until the green hides are thoroughly saturated with the oils; after which apply the liquid tan, and handle in the wheel until the grain is thoroughly struck. At this stage of the process remove the liquor from the hides, and saturate again

with the mixture, as at the first, renewing the tan-liquor, until the hides are sufficiently tanned. Leather intended for harness or belting, after the second oil-saturating and wheel-handling, would be greatly improved by the usual method of laying away, as practiced by tanners generally. By the oil-saturating process, in combination with tan, stronger tan-liquor may be applied to the green hides from the first, and thereby the following results are obtained over the ordinary methods of tanning leather, viz: While the middle or glutinous parts of the hide are being penetrated with tan, the grain or fibrous parts of the hide are kept soft and pliable throughout the process of tanning.

I claim as my invention—

The method of tanning leather by saturating the green hides or skins with the mixture described, and repeating it during the tanning process, as set forth.

JOSEPH ANDERSON.

Witnesses:

J. C. CROWNOVER,

F. L. SHALLENBERGER.