

UNITED STATES PATENT OFFICE.

BIRT W. NEWMAN, OF ROCKY FORD, COLORADO, ASSIGNOR OF ONE-THIRD TO ALLEN L. TURNIPSEED, OF YAMPA, COLORADO.

TANNING COMPOUND.

1,034,283.

Specification of Letters Patent.

Patented July 30, 1912.

No Drawing.

Application filed September 24, 1910. Serial No. 583,614.

To all whom it may concern:

Be it known that I, BIRT W. NEWMAN, a citizen of the United States, residing at Rocky Ford, in the county of Otero and State of Colorado, have invented new and useful Improvements in Tanning Compounds, of which the following is a specification.

This invention relates to a compound for use in tanning leather, and its object is to provide a compound whereby all kinds of leather may be tanned in a superior manner, within a minimum amount of time, and at a comparatively low cost.

In carrying my invention into practice, the hide is first placed in a strong lime solution and allowed to remain until the hair begins to slip, which usually occurs in from twelve to twenty-four hours, after which the hide is taken out of the solution, placed on a beam and all flesh and hair removed by means of a fleshing knife. The hide is next soaked in clear water until all the lime is extracted which ordinarily takes about twenty-four hours, and then the hide is ready for the tanning solution.

The tanning solution or compound consists of:

Chestnut oak bark.....	10 pounds.
Chicken manure.....	2 pounds.
Gum gambier.....	12 pounds.
Water.....	10 gallons.

The oak bark and chicken manure are both employed in a pulverized condition, the oak bark being ground into a snuff. These ingredients, with the gum gambier, are added to the water and the whole stirred until a bright reddish solution is obtained.

Into this solution the hide is placed and allowed to remain until tanned, which will take about ten days. The hide is then removed, placed on a table, oiled in the usual manner by treating it with fish oil and tallow or the like, then hung in a dark room until dry, and finally dyed and polished or finished in any desired way.

In practice, it is found that the ground oak bark of the solution sticks to the surfaces of the hide and extracts the substance from the pores of the hide, that the chicken manure opens up the grain of the hide and forms an effective filling therefor, and that the gum gambier gives softness and flexibility. The product is a leather of superior quality, and by means of the process any kind of hide, with the hair on or off, may be tanned within periods varying from 5 to 15 days. The simplicity of the process as well as the cheapness of the ingredients used in the tanning compound, make the process an exceedingly inexpensive one, as will be readily understood.

Having thus described my invention, what I claim as new is:—

1. A tanning compound consisting of ground chestnut oak bark, chicken manure, gum gambier and water.

2. A tanning compound consisting of ground chestnut oak bark ten pounds, chicken dung two pounds, gum gambier twelve pounds and water ten gallons.

In testimony whereof I affix my signature in presence of two witnesses.

BIRT W. NEWMAN.

Witnesses:

ROY E. WOLFE,
CHESTER JOHNSON.