

No. 774,982.

Patented November 15, 1904.

UNITED STATES PATENT OFFICE.

JEAN FERRAND, OF ASNIÈRES, FRANCE.

PAPER-PULP.

SPECIFICATION forming part of Letters Patent No. 774,982, dated November 15, 1904.

Application filed February 16, 1903. Serial No. 143,665. (No specimens.)

To all whom it may concern:

Be it known that I, JEAN FERRAND, a citizen of the Republic of France, and a resident of No. 171 Avenue d'Argenteuil, Asnières, Seine, in the Republic of France, have invented a Process of Manufacture of a new Paper-Pulp, of which the following is a specification.

This invention relates to a process of manufacture of a new paper-pulp which is of exceptional homogeneousness and whiteness and with which a very cheap, strong, and fine paper can be produced.

According to this invention the pulp is prepared from the bark or skin of a lace-bark tree called "daphne" of the *Thymelaceae* family, met in large numbers in Cambodia, Tonkin, and Indo-China and known under the name of "quaicé." The bark is removed and soaked in water for a week, then drained and passed through a chaff-cutting machine and then ground in order to get out its special fibrous part by removing the slight scaly layer of wood which covers it. This bark is then treated like ordinary rags used for the manufacture of paper.

The paper-pulp manufactured by this process has all the advantages of the one manufactured with rags and its cost price is much lower.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A process of manufacture of a new paper-pulp consisting in taking the bark or skin of a lace-bark tree called "daphne" of the "*Thymelaceae*" family, in soaking said bark in water for a week, in draining and passing it through a chaff-cutting machine, in grinding it then in order to get out its special fibrous part by removing the slight scaly layer of wood which covers it, and in treating it finally like ordinary rags used for the manufacture of paper, substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JEAN FERRAND.

Witnesses:

LOUIS YOST,
EDWARD P. MACLEAN.