

# UNITED STATES PATENT OFFICE.

WILLIAM H. FAY, OF CAMDEN, NEW JERSEY.

## WATER-PROOF COMPOSITION FOR PAPER.

SPECIFICATION forming part of Letters Patent No. 369,700, dated September 13, 1887.

Application filed November 19, 1886. Serial No. 219,398. (No specimens.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. FAY, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in Paper, which improvement is fully set forth in the following specification.

The object of my invention is to produce a paper which is water and vermin proof, tough and durable, clean, and comparatively odorless.

In carrying out my invention I employ paper made preferably of Manila stock and immerse, saturate, or coat the same with a composition of rosin, tallow, and paraffine. I place, say, one hundred pounds of rosin, forty pounds of tallow, and forty pounds of paraffine in a suitable tank or vessel, and heat them until melted, after which the paper is run through or immersed in the hot compound, or coated with the same.

The paper as treated is serviceable for roofing purposes, sheathings, floor-coverings, &c.

I am aware that it is not new to treat leather with a preparation of rosin, tallow, and paraffine mixed in certain proportions, for the

purpose of rendering the leather water-proof, such being old and described and claimed in the patent to James Cluman, No. 166,748, of August 17, 1875; but in the composition therein used the quantity of tallow is greater than that of either the paraffine or the rosin, this being necessary to render the leather soft and flexible. Owing to the excess of the rosin in the composition used by applicant a different chemical action is the result, the paper being rendered tough as well as stiff, water-proof, and durable.

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

A composition for rendering paper water-proof, tough, stiff, and durable, consisting of a mixture of one hundred parts of rosin and forty each of tallow and paraffine, substantially as described.

WILLIAM H. FAY.

Witnesses:

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