UNITED STATES PATENT OFFICE.

HERBERT BUFFINGTON, OF SOUTH BEND, WASHINGTON.

WATERPROOF PAPER.

1,240,934. Specification of Letters Patent. Patented Sept. 25, 1917.

No Drawing. Application filed May 31, 1917. Serial No. 172,009.

To all whom it may concern:

Be it known that I, HERBERT BUFFINGTON, a citizen of the United States, residing at South Bend, in the county of Pacific and State of Washington, have invented a new and useful Waterproof Paper, of which the following is a specification.

This invention relates to a water proof paper and to a method of preparing the same.

Heretofore persons engaged in outdoor work and who have been compelled to make or read notes, have been greatly handicapped in stormy weather because of the damage done to paper exposed to the action of rain.

One of the objects of the present invention is to provide a paper which will resist the action of rain and will remain stiff and will not permit pencil marks to be washed therefrom.

With the foregoing and other objects in view the invention consists in saturating sheets of paper in a composition consisting of the following ingredients substantially in the proportions stated:—

Oxid of zinc	65%
White dammar varnish	30%
Wheat flour	5%

The above ingredients are thoroughly mixed and are then combined with twice the amount of naphtha.

The paper to be treated, and which can be of any desired grade, is dipped in this liquid until thoroughly saturated. It is then removed from the liquid, the surplus liquid composition permitted to drip therefrom and the paper then placed on a rack or other holder until thoroughly dry.

It is possible not only to treat separate sheets in the manner described but entire books can be saturated and permitted to dry.

It has been found that after the paper has been treated it will withstand the action of water and will retain its stiffness. It has also been found that pencil marks made on paper thus treated will not be washed therefrom. Thus the paper is especially useful for outdoor use.

While the proportions are usually those hereinbefore stated, it is to be understood that the same may be varied somewhat. This is particularly true of the amount of naphtha used as this will depend greatly upon the grade of paper being treated.

What is claimed is:

1. A water proof paper including an ordinary paper base having a filler consisting of oxid of zinc, white varnish and wheat flour.

2. A water proof paper consisting of an ordinary paper base having a filler of oxid of zinc 65%, white varnish 30% and wheat flour 5%.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HERBERT BUFFINGTON.

Witnesses:
GEO. J. DEVER,
J. L. DARLING.