

# UNITED STATES PATENT OFFICE.

AUGUSTUS BLAISDELL, OF NASHUA, NEW HAMPSHIRE.

## IMPROVEMENT IN PAINT COMPOSITION FOR ROOFS.

Specification forming part of Letters Patent No. **190,183**, dated May 1, 1877; application filed March 10, 1877.

*To all whom it may concern :*

Be it known that I, AUGUSTUS BLAISDELL, of Nashua, in the county of Hillsborough and State of New Hampshire, have invented a new and useful Compound which I term "Roof-Paint," which compound is fully described in the following specification :

This invention is for application to roofs to make them water-proof and fire-proof, and is particularly useful and effective when applied to ordinary shingle roofs, rendering them impervious to water and unflammable.

This roof-paint is made by mixing intimately together what is called by manufacturers of illuminating-gas "thin gas-tar," (it being a residuum produced in the generating of illuminating-gas from coal as ordinarily practiced,) wood-tar, naphtha from petroleum, and a solution of iron in muriatic acid in such proportions as to produce a paint which can readily be applied with a brush, and yet is thick enough to form a fire and water proof coating.

The proportions of these ingredients, which I have found to be best, are as follows: Twenty-eight gallons of gas-tar, one gallon of wood-

tar, one and a half gallon of naphtha, and two to three quarts of the solution of iron, which contains as much iron as the muriatic acid will readily take up.

One great defect in roofing compositions which have come under my notice prior to my invention has been the liability to injury from the sun, another has been the liability to besmear the walls of the building in the application of them, and a very serious defect has been that these compositions could not be forced up under the butts of the shingles.

But my roof-paint is free from these defects, and a peculiarity of it is that it will work its way up under the butts of shingles when applied to the roof with an ordinary brush.

I claim—

The roof-paint composed of gas-tar, wood-tar, naphtha, and solution of iron, substantially as above described.

AUGUSTUS BLAISDELL.

Witnesses:

J. A. MARSH,  
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