

UNITED STATES PATENT OFFICE.

WILLIAM C. MAHON, OF COVINGTON, KENTUCKY.

IMPROVED WATER-PROOF FABRIC FOR HATS, &c.

Specification forming part of Letters Patent No. **49,775**, dated September 5, 1865.

To all whom it may concern:

Be it known that I, WM. C. MAHON, of the city of Covington, county of Kenton, and State of Kentucky, have invented a new and cheap Water-Proof Composition-Hat; and I do hereby declare that the following is a full and exact description thereof, reference being also had to the accompanying specimens of ingredients and material, and to the letters of reference marked thereon, when made by the following process, viz:

You first mold a hat, of paper or of any cheap flexible material, into any desired shape. You then take a size composed of five parts of dissolved glue, two parts of strong lye, and two parts of linseed-oil, and coat your mold with this size. You next varnish with a varnish composed of five parts of linseed-oil and three parts of gum-copal, melted together over a slow fire, and to one gallon of this mixture add one quart of solution of white vitriol and sal-soda, which mixture is composed of four ounces of white vitriol and half a pound of sal-soda to three pints of water, mixed together until all

is dissolved. You coat it next with flock of any desired color, and should you wish to make a hat resembling a fur hat, with equal luster, you will, while still wet, brush the flock for some time in one direction with a brush made of soft hair (badger or camel's hair) about three inches long. This will also prevent the dust or dirt adhering to it so but that it may be brushed off readily. The model is then put into a kiln and baked about four hours at a temperature of 160° Fahrenheit. It is then taken out, washed with a solution of two ounces alum to one pint of water, and allowed to dry.

Your petitioner does not deny that water-proof hats and caps have been previously devised; but

He claims—

As a new and cheap and improved article of manufacture, the water-proof composition hat or cap, made substantially as described.

WM. C. MAHON.

Witnesses:

WM. H. GEDGE,
J. C. GEDGE, Jr.