

# UNITED STATES PATENT OFFICE.

J. F. HAMMOND, OF LYNN, MASSACHUSETTS.

## CEMENT FOR ROOFING.

Specification forming part of Letters Patent No. **30,919**, dated December 18, 1860.

*To all whom it may concern:*

Be it known that I, J. F. HAMMOND, of Lynn, in the county of Essex and State of Massachusetts, have invented a new Compound or Water-Proof Cement for Covering Roofing; and I do hereby declare that the following specification is a description thereof so full and exact as to enable those skilled in the art to compound and use the same.

The object of my invention is to produce a compound which may be used upon roofs in covering paper, cloth, tin, or mastic, or tarpaulin, or other coverings to render them water-proof, either originally or in repair, avoiding the use of coal or gas tar and asphaltum, which are objectionable in giving an unpleasant taint to water collected from roofs in which these or either of them are used for a covering.

My invention consists in the combination of the materials hereinafter named, or their equivalents, in substantially the proportions specified. To one barrel of Wilmington wood-tar I add sixteen pounds of common resin for the purpose of stiffening it. This proportion of resin to the tar may be varied according as the tar varies in consistency from the particular brand named.

To the above mixture I add three gallons of copal varnish, ten pounds of beef-tallow, and one quart of raw linseed-oil, and boil and stir the whole mixture well together. When the mass is cooling I stir into it two quarts of pulverized charcoal. This mixture or cement is to be applied in a hot condition with a brush to almost any of the coverings used upon roofs, and it may be covered with sand or fine gravel before it cools to protect it.

It will be found that this cement does not melt and run under the heat of the sun; that it does not become so hard from the effects of cold as to crack when pressed upon, and that no injurious expansion and contraction ensues upon changes of temperature.

Having described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination of the within-mentioned ingredients or their equivalents, in substantially the proportions specified.

J. F. HAMMOND.

Witnesses:

J. B. CROSBY,  
O. M. SMITH.