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# UNITED STATES PATENT OFFICE.

JAMES WOOD, OF ROCKLAND COUNTY, NEW YORK.

ART OF MANUFACTURING BRICKS AND TILE.

Specification forming part of Letters Patent No. 97, dated March 3, 1829; Reissued December 2, 1836.

*To all whom it may concern:*

Be it known that I, JAMES WOOD, of the county of Rockland, in the State of New York, a citizen of the United States, have  
5 invented a new and useful Improvement in the Art of Manufacturing Bricks and Tile.

The process is as follows: Take of common anthracite coal unburnt such quantity as will best suit the kind of clay to be made  
10 into bricks or tile and mix the same, when well pulverized with the clay, before the same is molded. That clay which requires most burning will require the greatest proportion of coal dust. The exact proportion  
15 cannot therefore be specified but in general three fourths of a bushel of coal dust to one thousand brick will be correct. Some clay may require one eighth more and some not exceeding a half bushel. The benefits resulting from this composition are the saving  
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of fuel and the more general diffusion of heat through the kiln by which the whole contents are more equally burnt, the process of burning is also accelerated by the coal dust. If the heat is raised too high the  
25 brick will swell and be injured in their form. If the heat is too moderate the coal dust will be consumed before the desired effect is produced; extremes are therefore to be avoided.

I claim as my invention—

The using of fine anthracite coal or coal  
30 dust with clay for the purpose of making bricks and tile as aforesaid and for that only claim Letters Patent from the United States.

Dated 9th. Nov. 1836.

JAMES WOOD.

Witnesses:

W. SILLIMAN,  
JAUNCEY W. TROUTMAN.

[FIRST PRINTED 1914.]