

UNITED STATES PATENT OFFICE.

JOHN W. IVERY, OF DILLSBURG, PENNSYLVANIA, AND CHARLES M. LINTHICUM, OF
SUDBROOK PARK, MARYLAND.

WATERPROOFING MATERIAL FOR ARTIFICIAL FUEL.

No. 889,611.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed June 1, 1907. Serial No. 376,851.

To all whom it may concern:

Be it known that we, JOHN W. IVERY, a citizen of the United States, residing at Dillsburg, York county, Pennsylvania, and
5 CHARLES M. LINTHICUM, a citizen of the United States, residing at Sudbrook Park, in the county of Baltimore, and State of Maryland, have invented certain new and useful Improvements in Waterproofing Material for Artificial Fuel; and we do declare
10 the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

15 This invention relates to artificial fuel made in the form of briquets, and is directed especially to an improved waterproofing material employed for coating the surface of briquets.

20 The invention has for its objects to provide a waterproofing material which may be inexpensively produced, and which will, in practice, effectually exclude moisture from and preserve the briquets in a perfect condition.
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With these and other objects in view, the invention comprises the novel combination of ingredients in the production of waterproofing material, as more fully hereinafter described.
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The improved waterproofing material consists of tar and pitch, to which is added ground lime or plaster of paris and black
35 oxid of manganese, mixed in suitable proportions in accord with the nature of the fuel to be waterproofed.

It has been found by practical experiment

that an effective waterproofing material may be produced by mixing the materials in the following proportions; tar and pitch 40 combined, 64 parts, lime or plaster of paris, 4 parts, manganese, $1\frac{1}{2}$ parts.

In carrying out the process, add to the tar, if necessary, a sufficient quantity of pitch to attain the proper consistency, and there- 45 after add to the tar and pitch ground lime or plaster of paris and black oxid of manganese.

This waterproofing material when applied to the briquets will effectually preserve them from the action of moisture, and will, there- 50 fore, prevent the briquets from becoming soft, thus preserving them in a hard perfect condition for use.

Having described our invention, what we claim as new and desire to secure by Letters- 55 Patent, is.

1. A waterproofing material for artificial fuel consisting of tar and pitch combined with lime or plaster of paris, and black oxid of manganese mixed together, with the quan- 60 tity of tar and pitch predominating.

2. A waterproofing material for artificial fuel consisting of tar and pitch, 64 parts, lime or plaster of paris, 4 parts, and black oxid of manganese $1\frac{1}{2}$ parts. 65

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

JOHN W. IVERY.
CHARLES M. LINTHICUM.

Witnesses:

ROLAND C. BOOTH,
H. B. WILLSON.