

United States Patent Office.

HENRY SLATTER, OF COVINGTON, KENTUCKY.

Letters Patent No. 61,271, dated January 15, 1867.

IMPROVED COMPOSITION FUEL.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, HENRY SLATTER, of Covington, Kenton county, Kentucky, have invented a new and useful Composition Fuel; and I do hereby declare the following to be a full, clear, and exact description thereof.

I take of mineral tar, such as that obtained from gas or petroleum works, and dilute the same with quick lime and water. I then take fine coal-dust, and mix intimately therewith an equal quantity of saw-dust, charcoal-dust, chaff, or any other finely comminuted vegetable tissue. To this, for most purposes, I add of coarse sand, about ten per cent. of the whole, for the purpose of retarding combustion and retaining the heat, and add to the whole sufficient of the diluted tar for a bond.

I do not desire to restrict myself to any precise proportions, but may add a larger proportion of the tar solution for kindling; or of coal and saw-dust, and even sand, for a permanent fire. For the latter purpose the composition will be moulded into convenient blocks or bricks; and for the former, into strips about the size of one's finger.

The use of lime-water to dissolve the tar is believed to be new in this connection, and enables the tar to permeate freely among the interstices of the dust, and in setting to impart solidity and compactness to the mass. It also moderates the too active combustion of the tar, and enables the whole to be afforded at a very low cost.

I claim as new, and of my invention—

The composition fuel, composed and compounded as set forth.

In testimony of which invention, I hereunto set my hand.

HENRY SLATTER.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.