UNITED STATES PATENT OFFICE.

RICHARD COVERT, OF BROOKLYN, NEW YORK.

IMPROVED ARTIFICIAL LUMP COAL.

Specification forming part of Letters Patent No. **44,940**, dated November 8, 1864.

To all whom it may concern:

Be it known that I, RICHARD COVERT, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Artificial Lump Coal; and I do hereby declare the following to be a sufficiently full and exact description of the same to enable any one acquainted with the art to which my said invention appertains to produce the article.

My artificial fuel consists of coal-dust, asphaltum, and petroleum intimately mixed together by the aid of heat and afterward aggregated into solid lumps by pressure by machinery or otherwise.

The coal, if not fine enough, is ground to powder, and pure asphaltum is ground up with it in any desired proportions. Petroleum is then added in sufficient quantity to permeate the entire mass, and the whole is then heated and stirred by machinery until it becomes thoroughly mingled and plastic. It is then, by the same apparatus, forced into molds, and by heavy pressure united into solid lumps, after which it is ejected from the molds onto suitable endless bands, which convey it to any suitable receptacle.

I do not claim novelty in the combination of anthracite-coal dust and powdered asphaltum.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

As a new article of manufacture, the artificial lump coal consisting of coal-dust, asphaltum, and petroleum mingled by heat and stirring and aggregated by pressure, as hereinbefore described.

RICHD. COVERT.

Witnesses:
OCTAVIUS KNIGHT,
CHARLES D. SMITH.