

UNITED STATES PATENT OFFICE.

EDMUND SHARPE, OF PARIS, FRANCE.

IMPROVED ARTIFICIAL FUEL.

Specification forming part of Letters Patent No. 54,832, dated May 15, 1866.

To all whom it may concern:

Be it known that I, EDMUND SHARPE, of Paris, in the Empire of France, have invented certain new and useful Improvements in Artificial Fuel; and I do hereby declare that the following is a full, clear, and exact description of my process for preparing the same.

The principal object of my invention is to utilize the peat which is so abundant in some countries, and where it cannot be used in its natural state for various reasons.

The principal components of my artificial fuel are peat in its natural state mingled with anthracite and bituminous coal in a proportion variable according to the nature of the peat employed and their degrees of combustibility.

To obtain good artificial fuel it is necessary that these ingredients be well cleaned by washing. After this operation they are crushed together and mingled by the usual means. They are then cast in a pit, whence they are conducted into a machine for making artificial fuel—for instance, the machine known as "Mazeline's," or "Evrard's," or others. As these ingredients are fed into the triturating-machine a valve regularly supplies the cement necessary to effect their agglomeration, which is the coal-tar, dry or liquid. The artificial fuel fabricated in this manner can be employed

immediately upon its delivery by the machine. By these means the peat can be classed among the good fuels. It gives a caloric and duration to the fire, rivaling with the good coals, of which it has nearly the density.

The cinders and ashes produced by the combustion of this artificial fuel are less than those produced by the coals.

The price of this artificial fuel being inferior to the price of coal, my process can be employed with great success in all countries where the peat is abundant.

The composition which I found to answer well is as follows: peat, fifty-five parts; anthracite, twenty parts; bituminous coal, fifteen parts, and coal-tar ten parts, making in all one hundred parts.

Having thus fully described my invention and the manner in which the same is or may be carried into effect, I claim—

The herein-described artificial fuel, consisting of peat, anthracite, and bituminous coal, with a coal-tar cement, combined in the proportion and in the manner substantially as set forth.

EDMD. SHARPE.

Witnesses:

EDWARD TUCK,
LERIET.