TREATMENT OF COKE.


To all whom it may concern:

Be it known that we, Benjamin Ely and Arthur Rollason, subjects of England, residing at Pye Bridge, in the county of Derby, England, have invented new and useful improvements in the Treatment of Cokes, of which the following is a specification.

Cokes made in retorts or ovens have been found unsuitable for use as fuel in open fires owing to the difficulty of maintaining the fire in an incandescent state without air blast. In this invention, to remedy this defect, the cokes, as they are withdrawn from the retorts or ovens and while in an incandescent or partially incandescent state, are covered with a layer of coke breeze, coke dust, coal ash, or other suitable material, of sufficient thickness to exclude air and moisture while the cokes are slowly cooling down, during which the volatile substances contained in the coke escape. The cokes, after cooling slowly with air and moisture excluded in the manner herein described, become softened and when employed as fuel in an open grate or a furnace, they will ignite and burn with a steady flame.

The softened cokes treated by our improved method can be ground and used in the manufacture of electric carbons or blacking for foundry purposes or any other use for which soft carbon can be employed.

What we do claim and desire to secure by Letters Patent is,

1. The method of forming a fuel from coke which consists in withdrawing the coke from the retort while in a heated state, covering the same with a layer of suitable comminuted material of sufficient thickness to exclude air from the coke, and permitting the coke to cool while covered with said layer.

2. The method of forming a fuel from coke which consists in withdrawing the coke from the retort while in a heated state, covering the same with a layer of suitable comminuted material of sufficient thickness to exclude air and moisture, and permitting the coke to cool while covered with the said layer.

3. The method of forming a fuel from coke which consists in withdrawing the coke from the retort while in an incandescent state, covering the same with a layer of coke dust of a sufficient thickness to exclude air and moisture, and permitting the coke to cool while covered with the said layer.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

Benjamin Ely.
Arthur Rollason.

Witnesses:
H. Walker Hill,
Frank A. Dady.