

UNITED STATES PATENT OFFICE.

JOHN E. PARK, OF RUTHERFORD COUNTY, TENNESSEE.

IMPROVEMENT IN THE MANUFACTURE OF ARTIFICIAL STONE.

Specification forming part of Letters Patent No. 127,264, dated May 28, 1872.

SPECIFICATION.

Be it known that I, JOHN E. PARK, of Rutherford county and State of Tennessee, have invented a certain Process for Manufacturing Artificial Stone, of which the following is a specification:

Take, of the calcareous beds of Western Texas, and, where the percentage of clay is not equal to twenty-five, add to it until you make the percentage twenty-five or thirty. The mass is now moistened with salt-water at the rate of two per cent., using water enough to bring it to a proper consistency in a pug-mill. This material is molded into any shape or size, placed upon the yard to dry, same as brick, and when thoroughly dried, hacked up the same as brick, having a series of flues from bottom to top at intervals of two and a half feet. The kiln is now ready to be fired. Commence with the bottom tiers or series of flues; fire up slowly until the heat has

obtained a cherry-red; hold it to this degree of heat four hours, being very careful not to let it reach a higher degree of heat, as if so, the mass becomes calcined and will slack down. The degree of heat aimed at is the development of incipient cementation. It may be known when incipient cementation is developed by the taste, not properly caustic, but slightly sweetish alkaline.

Claim.

1. I claim the compounding and burning of cementitious elements in such a manner as to produce incipient cementation in the block molded, after the manner specified.

2. Also, the form and construction of kiln.

J. E. PARK.

Witnesses:

C. W. McGEHEE,
THOS. G. McGEHEE.