

UNITED STATES PATENT OFFICE.

NELSON H. DOWNS, OF BIRMINGHAM, CONNECTICUT.

IMPROVEMENT IN CONCRETE PAVEMENTS.

Specification forming part of Letters Patent No. 102,097, dated April 19, 1870.

To all whom it may concern :

Be it known that I, NELSON H. DOWNS, of Birmingham, in the county of New Haven and State of Connecticut, have invented a new Improvement in Concrete Pavement; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention relates to an improvement in concrete pavements for walks, roads, &c., and consists in the combination of gravel, ashes, tar, and guano.

I prepare the compound by mixing three parts gravel, one part ashes, one part coal or wood tar, and then to this compound I add

in the proportion of one-half pint of guano, a little more or less, to the square yard of surface to be covered.

The effect of the guano is to dry and harden the material, and, by practical test, I find it serves a better purpose than any material known to me.

I claim as my invention—

A concrete pavement consisting of the materials and in the proportions substantially as described.

Witnesses: NELSON H. DOWNS.

A. J. TIBBITS,

J. H. SHUMWAY.