

UNITED STATES PATENT OFFICE.

LOUIS DE L'HOMME AND ANGELO LAZZARO, OF NEW YORK, N. Y.,
ASSIGNORS TO JOSEPH ARATA, OF SAME PLACE.

IMPROVED CEMENT FOR ROOFING, PAVEMENTS, &c.

Specification forming part of Letters Patent No. **59,713**, dated November 13, 1866.

To all whom it may concern:

Be it known that we, LOUIS DE L'HOMME and ANGELO LAZZARO, of the city of New York, have jointly invented a new and improved method and mode of manufacturing and preparing for use a certain material called "Metallic Lava," which is intended and is eminently adapted to the paving of halls, hallways, basements, cellars, stables, coach-houses, sidewalks, garden pathways, piazzas, &c.; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying specimen or sample, marked D L.

The nature of our invention consists in substituting two-thirds part of pitch and one-third part of common rosin to the coal-tar generally used for preparations intended for similar purposes, and in using chalk instead of plaster-of-paris, and in adding to the necessary quantity of Roman cement and quicksand a sufficient portion of crushed and powdered flint-stone, which materials are well

mixed and amalgamated by boiling them together for over six hours.

The pitch and rosin being less fusible than coal-tar, and the most refractory and astringent properties of the chalk, quicksand, and flint used by us, make our metallic lava so compact and hard as to resist the action of the hottest sun, as well as to exclude any degree of dampness from all works in which this material is used.

What we claim as our invention, and desire to secure by Letters Patent, is—

The preparation of the metallic lava, as above described, and its practical use in paving halls, hallways, basements, cellars, stables, coach-houses, bath-houses, yards, piazzas, sidewalks, garden pathways, terraces, &c.

LOUIS DE L'HOMME. [L. S.]
ANGELO LAZZARO. [L. S.]

Witnesses:

CHARLES MARTIN,
L. L. TODD.