

UNITED STATES PATENT OFFICE.

JAMES HALL, OF DORCHESTER, MASSACHUSETTS.

IMPROVED MODE OF APPLYING COVERINGS TO ROOFS, THE DECKS OF VESSELS, &c.

Specification forming part of Letters Patent No. **48,060**, dated June 6, 1865.

To all whom it may concern:

Be it known that I, JAMES HALL, of Dorchester, county of Norfolk, State of Massachusetts, have invented a new and Improved Mode of Applying Cloth Coverings to Decks of Vessels, Roofs of Cars, Buildings, Projections of Buildings, Carriages, and Floors; and I do hereby declare that the following is a full and exact description thereof, reference being had to the specimen inclosed.

The nature of my invention consists in applying cloth to surfaces firmly by the use of heated metals.

To enable others skilled in the art to use my invention, I will proceed to describe its operation and the manner of its application.

The surface to be covered with cloth I cover with a thick paint or cement. The paint may remain until partly dry before the cloth is laid on the paint; or the cloth may be applied immediately to the painted surface, without allowing any time to dry, if the paint is sufficiently stiff or thick to adhere closely to the cloth; and, if necessary, the cloth may be painted on the under side before laying it on the painted surface intended to be covered.

After the cloth is laid on the painted surface I use a flat-iron, (so called,) or a metallic vessel filled with live coals, causing sufficient heat to make the paint pliable and readily yield to the heated metals while rubbing or pressing on the surface, until the cloth and paint are made smooth and are firmly united. I then apply one or more coats of paint to the outer surface, where it is thought necessary to make it perfectly water-tight, and again applying the heated metal to the painted cloth, if desired.

I do not claim the common mode of covering surfaces with paint and cloth without the use of heated metals; but

I do claim as my invention—

The application of heated metals to the surfaces of the cloth in the process of embedding the cloth in the paint, uniting the cloth to the surface more firmly and smoothly than can be done without the application of heated metals.

JAMES HALL.

Witnesses:

WILLIAM ROGERS,
THOS. P. PROCTOR.