

UNITED STATES PATENT OFFICE.

JOHN NEWTON COLBY, OF MYSTIC BRIDGE, CONNECTICUT.

IMPROVEMENT IN COVERINGS FOR STEAM-BOILERS, &c.

Specification forming part of Letters Patent No. **148,180**, dated March 3, 1874; application filed July 22, 1873.

To all whom it may concern:

Be it known that I, JOHN NEWTON COLBY, of Mystic Bridge, county of New London, State of Connecticut, have invented an Improvement in Covering for Steam-Boilers, &c., of which the following is a specification:

My improved coating for boilers, &c., consists of asbestos disintegrated, so as to preserve the long fibers, combined with glutinous or adhesive substances or compositions described, which will serve to consolidate the mass, and to cement it to the boiler or other surface to which the coating is applied.

The adhesive substance which I employ is flour, which is combined with disintegrated fibers of asbestos in the proportion of four pounds of flour to one hundred pounds of asbestos, and to this is added one pound of borax or alum.

After the materials have been thoroughly mixed with sufficient water to form a paste

with the flour, the mixture is either spread upon the boiler or other surface with a trowel, like mortar, or it is formed into sheets and applied to the surface before quite dry. In either case the covering upon drying will adhere firmly.

Where the coating material is to be transported to any distance before being applied, it is best to mix the ingredients dry, adding the water just before the application.

I claim—

An asbestos coating for steam-boilers, consisting of disintegrated asbestos, combined with flour and borax, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN NEWTON COLBY.

Witnesses:

CHARLES E. FOSTER,
EDM. F. BROWN.