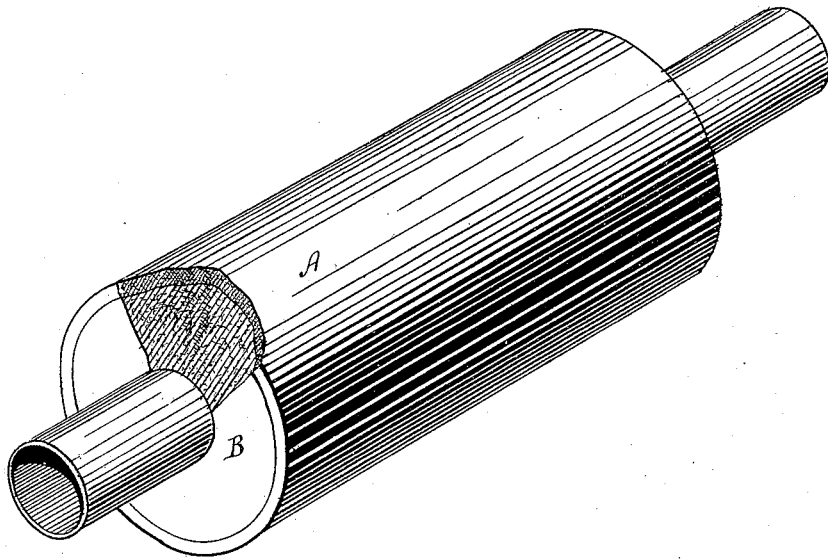


A. SWEENEY.
Boiler-Covering.

No. 205,587.

Patented July 2, 1878.



Witnesses

Geo. H. Strong
Frank A. Brooks

Inventor

A. Sweeney
by Dewey & Co.
Attys

UNITED STATES PATENT OFFICE.

ALEXANDER SWEENEY, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF
ONE-HALF HIS RIGHT TO JOHN MATHEWSON, OF SAME PLACE.

IMPROVEMENT IN BOILER-COVERINGS.

Specification forming part of Letters Patent No. **205,587**, dated July 2, 1878; application filed
May 28, 1878.

To all whom it may concern:

Be it known that I, ALEXANDER SWEENEY, of the city and county of San Francisco, and State of California, have invented an Improved Boiler-Covering; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, in which the figure shows a section of the covering with the corner broken away.

My invention relates to an improved compound for covering boilers, pipes, and steam-generators, or any other article from which it is desired to prevent radiations of heat, and at the same time to render the said covering water-proof, so that it may be exposed to atmospheric influences, or washed down with a hose if desired, the compound uniting itself so closely to the articles covered as to need no binding material, such as fiber, rope, or similar substance.

In the formation of my compound I use blue clay or mud as a basis. This blue clay is found in various localities, usually near the sea-shore, and in the bottom of inlets, sounds, and bays, and it has a peculiar greasy or oily consistency, which fits it for this purpose, as it hardens by heat and does not crack up or have a tendency to become pulverized and fall off when dry. This I mix with sawdust and hair, in the proportions of about one-half a barrel of the mud to about one bushel or a

little more of sawdust and one-fourth of a pound of hair. This is well mixed and then laid upon the boiler or pipes to be covered, as shown at B.

I prefer to heat up the boiler before making the application, as this expands the boiler, and will, in a great measure, prevent the cracking of the covering.

After a sufficient number of coats have been applied and properly set, I brush the whole over with a coating, A, composed of whiting or Paris white mixed with oil, repeating it, if necessary, two or three times. When this has set it will form a hard, durable coat, perfectly water-proof, and not liable to crack.

The boiler cover with this composition needs no roof or other protection, and it will last a long time without cracking off or being affected by expansion and contraction or wet.

Having thus described my invention, what I desire to secure by Letters Patent is—

In combination with an inner non-conducting boiler-covering, an outer water-proof covering of whiting and oil, substantially as set forth.

In witness whereof I hereunto set my hand and seal.

ALEXR. SWEENEY.

Witnesses:

GEO. H. STRONG,
JOHN MATHEWSON.