J. W. HANMORE.

Boiler-Covering.

No. 159,546. Patented Feb. 9, 1875.

FIG. I.

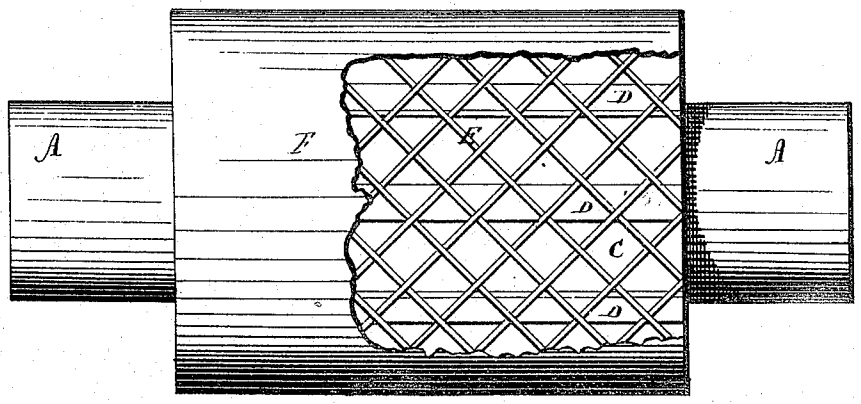
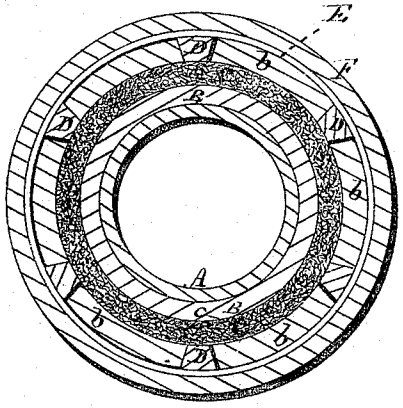


FIG. II.



WITNESSES

E. McCallaher.

J. S. Brown

By

INVENTOR

J. W. Hanmore

S. W. Wood

Attorney

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JOHN W. HANMORE, OF NEWBURG, NEW YORK.

IMPROVEMENT IN BOILER-COVERINGS.

Specification forming part of Letters Patent No. **159,546**, dated February 9, 1875; application filed January 5, 1875.

To all whom it may concern:

Be it known that I, JOHN W. HANMORE, of Newburg, county of Orange and State of New York, have invented a new and useful Improvement in the Method of Covering Steam-Boilers and other articles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 represents a plan or top view of a steam-boiler, with a portion of the outer plastic layer removed, to exhibit the wire netting which surrounds the boiler, and assists in supporting the covering, also showing beneath this netting strips placed at distances apart and resting on the hair beneath; Fig. 2, a cross-section, showing the several layers of plastic substance and hair, and the arrangement of strips and wire netting, and their offices.

My invention consists, first, in forming a space between the layer of hair or other fibrous material used in covering steam-boilers and other articles, and filling this space with plastic material, being part of and forming the next layer; and in placing strips between the layer of hair or other fibrous material, and the following or next coating of plastic substance, and surrounding these strips with wire netting, substantially in the manner and for the purpose herein described.

In the annexed drawing, A represents a steam-boiler covered after my improved method. The first layer, B, of plastic material, of any sort required, is placed directly upon the surface of the boiler, in the usual manner. C represents a layer of hair, or other suitable fibrous material, placed next to and upon this first layer B, as shown in section, Fig. 2. Upon this layer of hair, C, are placed strips D, extending the entire length, or nearly so, of the boiler A, at suitable distances apart, and of such thickness that when the wire netting E is drawn firmly around them to retain them in place upon the hair-covering C, spaces *b* are formed between the hair and netting, so that when the next layer or coating, F, of plastic substance is applied, it may enter these spaces, surrounding the wire netting, and embedding it therein, and the strips D serving the same purpose to this coating as lath to plastering—viz., preventing it becoming loose and falling off. These strips D may be beveled, as shown in section, Fig. 2, forming a firm hold for the plastic layer.

These strips, supported by the wire-netting, serve also the important office of preventing the covering sagging or settling away from the lower side of the boiler; and other articles subject to more or less jarring, may be covered and used with the same facility as stationary articles. These strips D may be of wood, as shown, or metal may be employed, if preferred.

I do not wish to be understood as claiming the spaces between the covering of hair and the following coating of plastic material, for such spaces have been formed by others; but confine myself to these spaces when filled with plastic substance, the spaces being formed by strips placed upon a layer of hair at distances apart, and the whole surrounded and retained in position by a wire netting, as hereinbefore stated. Nor is it deemed necessary to describe the various plastic substances that may be employed, as they are well known, and many of them patented.

Having thus fully described my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

In a non-conducting covering for boilers, pipes, &c., the plastic material B, fibrous coating C, strips D, netting E, and outer coating F, all combined and arranged for the purpose and in the manner substantially as herein set forth.

JNO. W. HANMORE.

Witnesses:

R. P. WORTENDYKE,

WILLIAM W. SANDERSON.