G. B. WIESTLING.

LAGGING FOR COVERING STEAM-PIPES.

No. 192,474. Patented June 26, 1877.

Fig: 1.

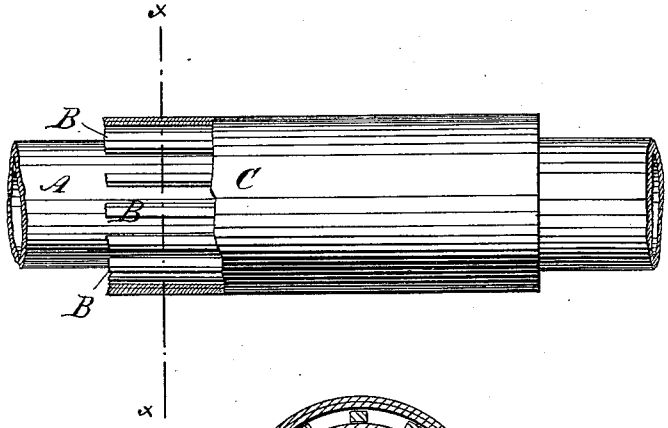
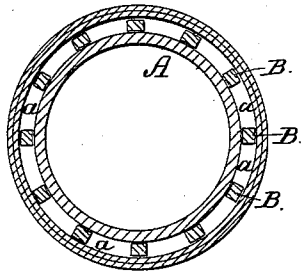


Fig: 2.



WITNESSES:

Chas. Nida.

J. H. Scarborough.

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

GEORGE B. WIESTLING, OF MOUNT ALTO, PENNSYLVANIA.

IMPROVEMENT IN LAGGING FOR COVERING STEAM-PIPES.

Specification forming part of Letters Patent No. **192,474**, dated June 26, 1877; application filed April 23, 1877.

To all whom it may concern:

Be it known that I, GEORGE B. WIESTLING, of Mount Alto, in the county of Franklin and State of Pennsylvania, have invented a new and Improved Lagging, of which the following is a specification:

Figure 1 is a side elevation of a section of pipe covered with my improved lagging. Fig. 2 is an enlarged transverse section, taken on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to lagging or covering to be applied to pipes and boilers to prevent the radiation of heat; and it consists of an envelope of one or two thicknesses of ordinary straw-board separated from the surface of the boiler or pipe, as hereinafter described.

In the drawing, A is a pipe, which may represent any steam-heated surface to be protected by the lagging. B B, &c., are strips of wood, which may be of any desired width and thickness, and are arranged a small distance apart around the pipe A. C is a covering that consists of one or more thicknesses of straw-board wrapped around the strips B inclosing the air-spaces *a*. Another form of lagging is shown at the opposite end of the tube A, which consists of a straw rope, D, wound around the pipe and covered with sheets of straw-board, as in the other case.

The coils of the rope are placed a small distance apart, and the covering C, when placed around the rope D, incloses air-spaces, which, together with the rope, prevents the radiation of heat from the pipe. The strips B, as well as the straw-board covering B, may be retained in place by cords or wires.

The lagging may be applied with advantage to water-pipes to prevent freezing.

The advantages of this covering over others now in use are its cheapness, its adaptability to the purpose, and its effectiveness in retaining heat.

I am aware that it is not new to form dead-air chambers or spaces about a boiler or pipe, or to use for this purpose felt, tarred paper, hair, cement, or hemp rope; but

What I claim is—

A lagging for boilers, pipes, &c., consisting of longitudinal strips B and straw-board C, substantially as shown and described.

GEO. B. WIESTLING.

Witnesses:

OLIVER ALTER,

J. E. CHILDS.