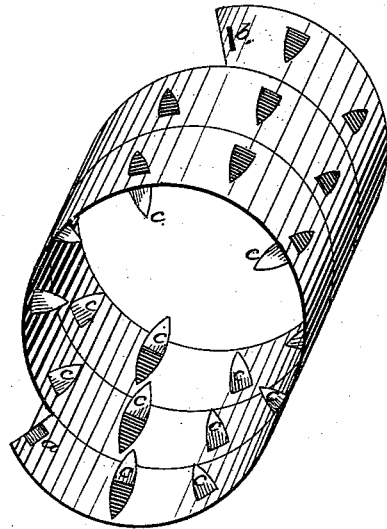


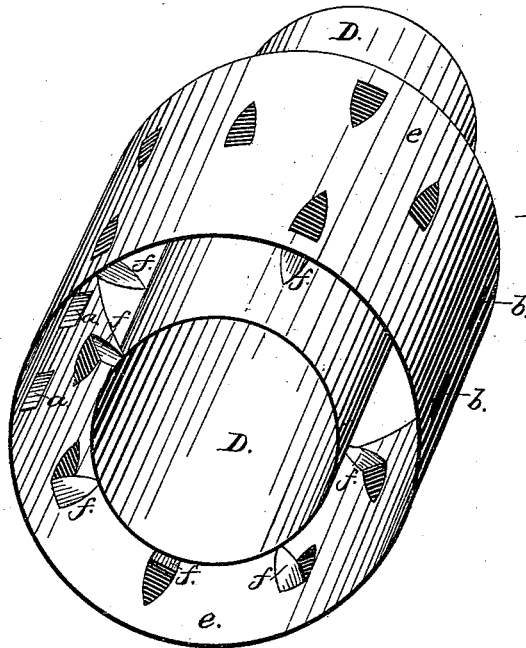
I. N. PEIRCE.  
Non-Conducting Covering for Steam Boilers and  
Steam Pipes.

No. 208,264.

Patented Sept. 24, 1878.



*Fig. 1.*



*Fig. 2.*

*Witnesses:*

*Geo. F. Stackhouse.*  
*Wm. J. Thomason Jr.*

*Inventor:*

*I. Newton Peirce.*

# UNITED STATES PATENT OFFICE.

ISAAC NEWTON PEIRCE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN NON-CONDUCTING COVERINGS FOR STEAM-BOILERS AND STEAM-PIPES.

Specification forming part of Letters Patent No. **208,264**, dated September 24, 1878; application filed July 18, 1878.

*To all whom it may concern:*

Be it known that I, ISAAC NEWTON PEIRCE, of Philadelphia, county of Philadelphia, State of Pennsylvania, have invented a new and Improved Non-Conducting Covering for Steam-Pipes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing.

In Figure 1, A represents a segment of a spiral band, made of sheet-iron, tin, or other metal, having at one end one or more hooks, as at *a*, with corresponding eyelets at the other end, as at *b*. Several of these segments, being attached to each other by inserting the hooks of one into the eyelets of another, form a continuous spiral covering around the steam-pipe. On the interior surface of these segments are projecting points or parts, as at *c c c c*, of uniform size or length, all pointing inward toward the center of the pipe, which are designed to touch the steam-pipe, and thus keep the surface *d d* of the metallic segments a uniform distance from the steam-pipe. When the steam-pipe is covered with these segments as far as desired, the external surface of the spiral or metallic covering is covered with any kind of paper, felt, burlap, or any other material, to make it a tight tube, and this covered with paint or lime, thus forming a non-conductor covering around the steam-pipe.

Another method of making this non-conductor covering for steam-pipes is shown in Fig. 2. B, the non-conductor covering. *ee* is a circular band of sheet-iron, tin, or other thin metal, encircling the steam-pipe D. On the interior surface of the metallic band are projecting points or parts, which point inward toward the center, and which touch or rest upon the pipe, as at *fff*, thus keeping all parts of the metallic covering from the steam-pipe at equal distances. As many of these metallic bands can be used as will cover the pipe required. The exterior of the metallic covering is then covered with paper, felt, canvas, or any other material that will make it a tight tube, and thus form a non-conductor covering.

I claim as my invention and desire to secure by Letters Patent—

A steam pipe and boiler covering consisting of metal bands so perforated and punched as to form points *ecff*, projecting inward, and serving to support and separate the covering from the steam-pipe, as and for the purpose shown.

ISAAC NEWTON PEIRCE.

Witnesses:

GEO. F. STACKHOUSE,  
A. D. OWEN.