

T. MERRIAM.

Coverings for Steam-Boilers, Pipes, &c.

No. 156,711.

Patented Nov. 10, 1874.

FIG. 1.

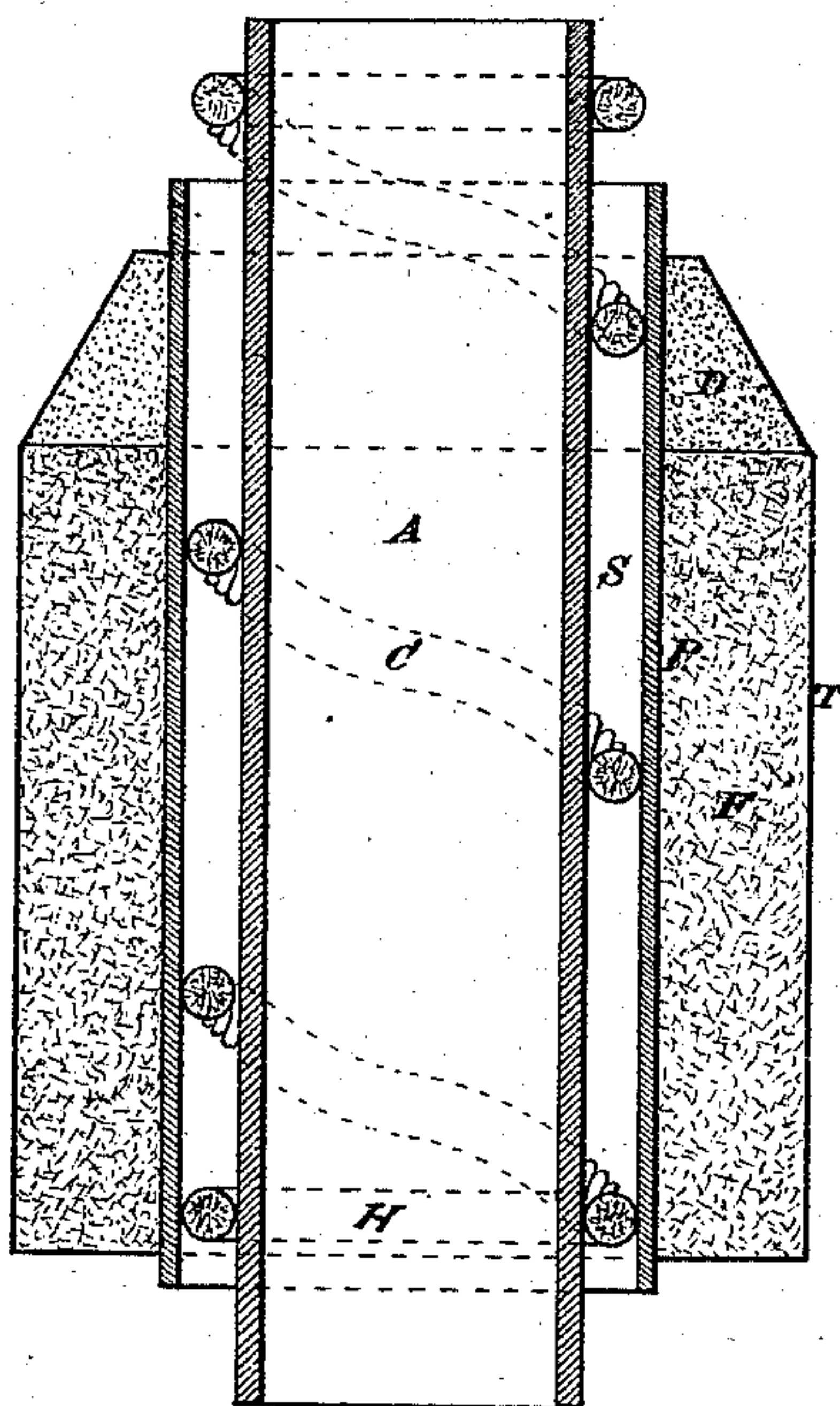
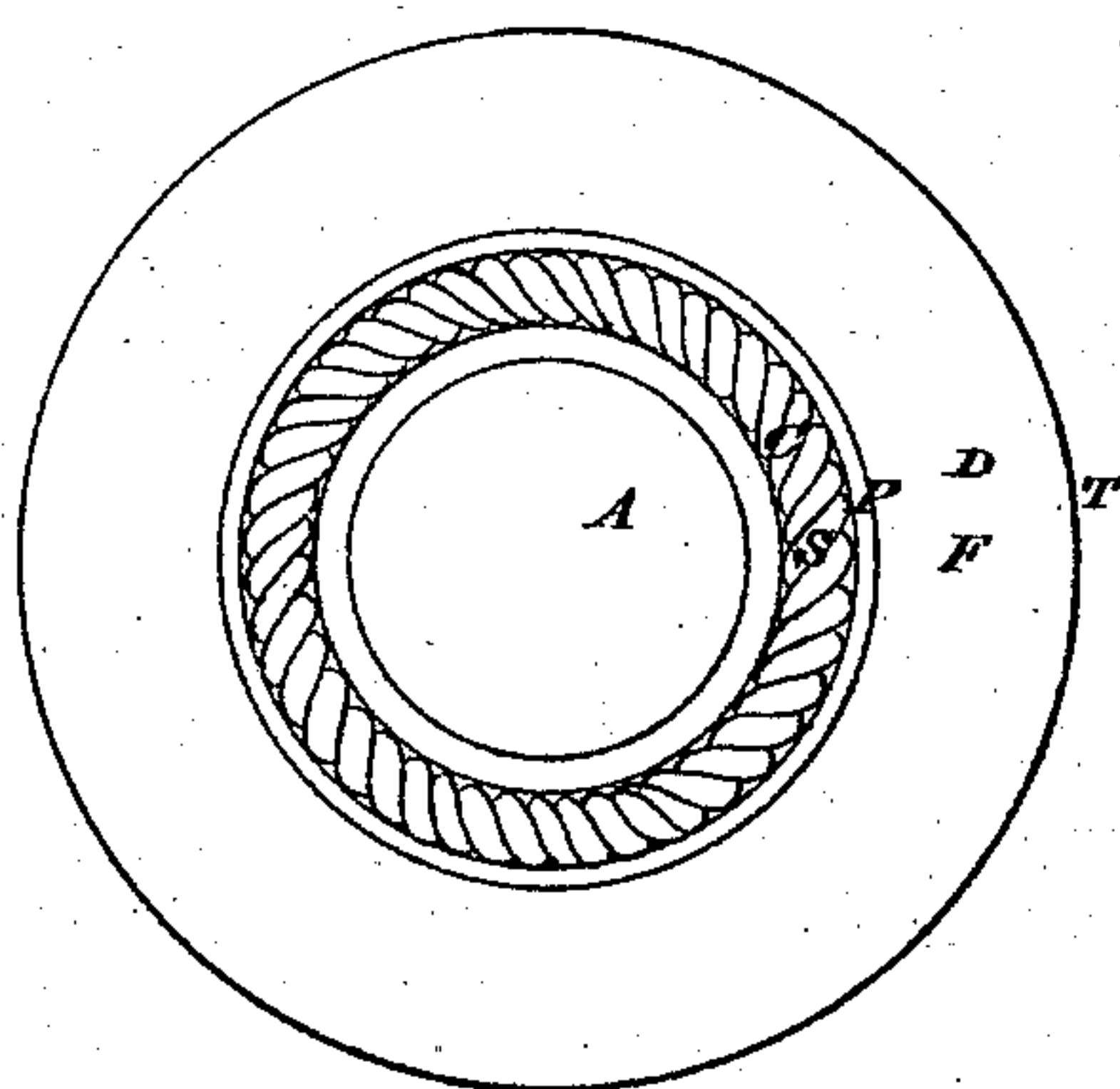


FIG. 2.



Witnesses;  
William S. Chase  
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# UNITED STATES PATENT OFFICE.

TRUMAN MERRIAM, OF MILWAUKEE, WISCONSIN.

## IMPROVEMENT IN COVERINGS FOR STEAM BOILERS, PIPES, &c.

Specification forming part of Letters Patent No. **156,711**, dated November 10, 1874; application filed January 10, 1873.

*To all whom it may concern:*

Be it known that I, TRUMAN MERRIAM, of the city and county of Milwaukee, in the State of Wisconsin, have invented certain Improvements in Coverings for Steam Boilers and Pipes, or anything where it is desirable to prevent the radiation of heat; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, in which—

Figure 1 is a sectional view of my invention. Fig. 2 is an end view.

Letter A represents the iron or article to be covered. Letter C represents the cord or rope wound spirally around the iron. Letter H is the cord wound straight around the iron. Letter S is the space or dead-air chamber. Letter P is the paper which rests on the cord. Letter F is the hair felt. Letter T is the mastic-rubber covering for the hair felt. Letter D is the clay cement.

To form a dead-air chamber I wind a cord or small rope spirally or straight about the boiler or pipe, &c. On the cord I lay tarred roofing-paper, or any substantial paper. This

forms a dead-air chamber between the pipe and paper. On the paper I lay hair felt, covered on both sides with my compound for covering steam-boilers, &c., described in my application filed December 4, 1873.

Cement made of clay can be used in the place of hair felt, as represented by letter D on the drawing. I cover one side of the cord with cement, so when the cord perishes with heat the cement will sustain the paper and felt.

What I claim as new, and desire to secure by Letters Patent, is—

The method of forming a dead-air chamber on steam boilers, pipes, &c., by means of strands of rope wound spirally or straight about the boiler or pipe, &c., covered with cement and supporting tarred paper, or any substantial paper, and hair felt or cement, substantially as described.

TRUMAN MERRIAM.

Witnesses:

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