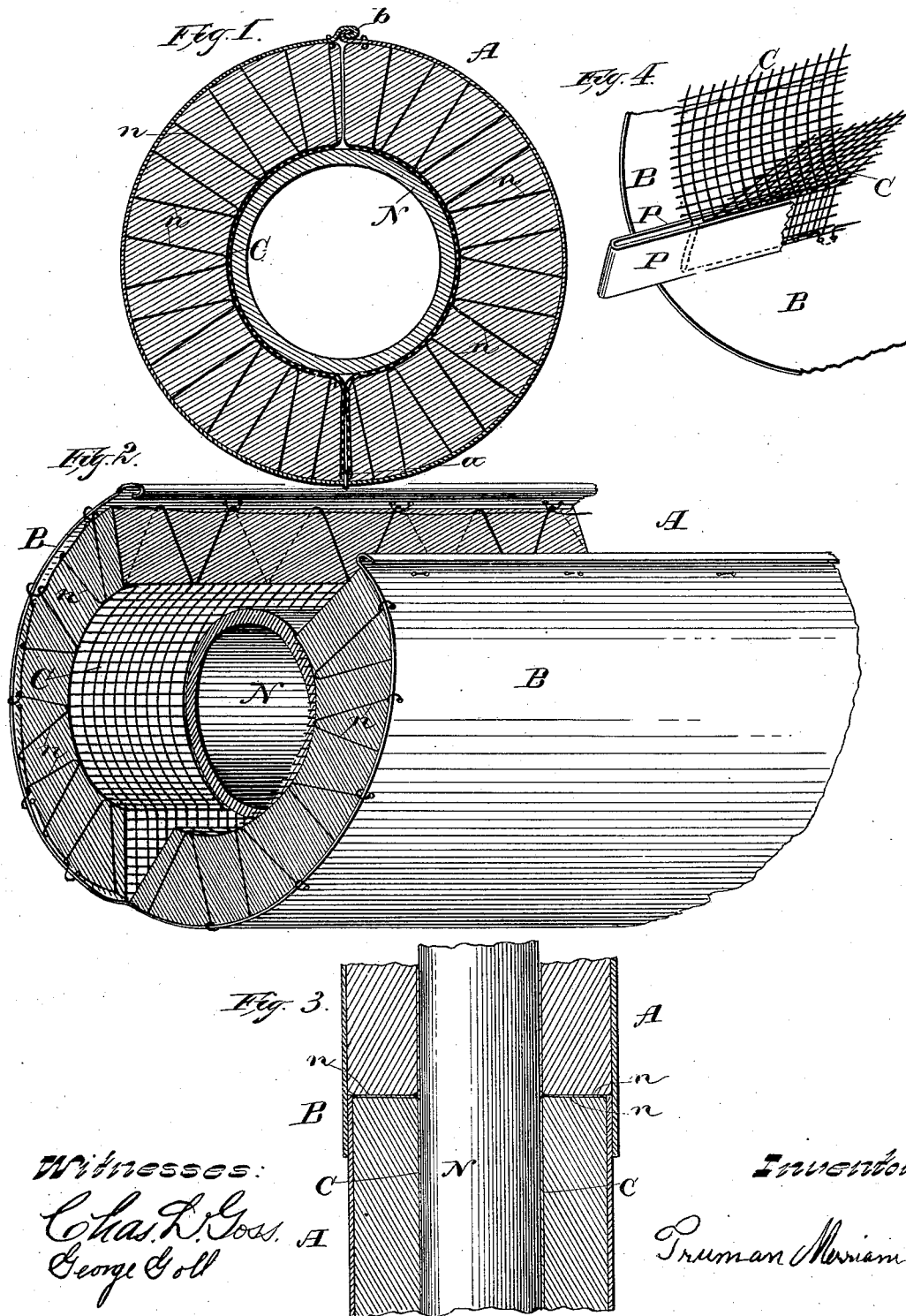


(Model.)

T. MERRIAM.  
COVERING FOR PIPES, &c.

No. 347,631.

Patented Aug. 17, 1886.



# UNITED STATES PATENT OFFICE.

TRUMAN MERRIAM, OF MILWAUKEE, WISCONSIN.

## COVERING FOR PIPES, &c.

SPECIFICATION forming part of Letters Patent No. 347,631, dated August 17, 1886.

Application filed February 26, 1886. Serial No. 193,350. (Model.)

*To all whom it may concern:*

Be it known that I, TRUMAN MERRIAM, a citizen of the United States, of the city and county of Milwaukee, and State of Wisconsin, have invented certain new and useful Improvements in Coverings for Pipes, &c.; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in non-conductor-of-heat coverings for pipes, &c., the objects of which are facility and convenience of application and removal and simplicity and cheapness of construction.

In the accompanying drawings like letters designate the same parts in the several figures.

Figure 1 is a cross-section of my improved covering. Fig. 2 is a perspective view of the interior of one section of the same. Fig. 3 is a longitudinal section of a portion of two sections of the covering, showing the method of joining the same; and Fig. 4 is a perspective view of a portion of the exterior casing and of the lining and the device for holding the latter for filling with the non-conductor of heat.

My improved covering is designed particularly for use with pipes and like bodies, and is made in sections A A of convenient length, each composed of a sheet-metal casing, B, a lining, C, of wire-netting or other suitable material secured thereto at *a*, folded together and adapted at the middle of the section to the exterior of the pipe N or body to be covered, and of a filling of mineral wool or other suitable non-conductor of heat introduced between said casing B and lining C in two or more segmental sections, as shown in Figs. 1 and 2. The ends and outer edges of the lining C are fastened to casing B by wires *nn*, or other suitable means, and the filling thus securely held in place whether the covering is applied to the pipes or not.

The edges of casing B are folded in opposite

directions, one outwardly and one inwardly, so as to form an interlocking joint at *b*, as shown in Fig. 1, by means of which the sections are readily and securely clasped about the pipes N or body to be covered, and may be easily unclasped and removed when desired. The casing B is preferably extended at one end of the section beyond the filling and lining C, so as to overlap the adjoining section, at the adjacent end of which the filling and lining are made flush, or nearly so, with the casing B, as seen in Fig. 3.

For the purpose of inserting the mineral wool or other filling between the casing B and lining C, I clamp the latter next to its fastening to said casing at *a* between the thin steel plates P P, provided for that purpose, and made of a width equal to the desired thickness of filling, and fold the sections of said lining C in opposite directions over the upper edges of said plates P P, as shown in Fig. 4. After the filling has been inserted and secured in place the plates P P are withdrawn. In this manner the covering is formed in two or more segmental sections connected, as at *a*, by the exterior casing, B, so as to be easily spread and placed about or removed from the pipe N or body to be covered, and when secured in position to form a continuous cylindrical incasement.

I claim—

1. A covering for pipes, &c., composed of an outer metallic casing, B, lining C, a non-conductor-of-heat filling inclosed and held by said casing and lining in connected segmental sections, and wires *nn*, securing the outer edges and ends of said lining to said casing B and retaining the filling in place, substantially as and for the purposes set forth.

2. A covering for pipes, &c., composed of an outer sheet-metal casing, B, the edges of which are turned in opposite directions to form a locking-joint, lining C, and a non-conductor-of-heat filling inclosed and held by said casing and lining in connected segmental sections, substantially as and for the purposes set forth.

3. A covering for pipes, &c., formed in sections A A, each of which is composed of an

outer sheet-metal casing, B, a lining, C, and a  
non-conductor-of-heat filling inclosed and held  
in connected segmental sections by said lining  
C and outer casing, B, which is extended at  
5 one end beyond said filling to overlap the ad-  
jacent section, substantially as and for the pur-  
poses set forth.

In testimony that I claim the foregoing as  
my own I affix my signature in presence of two  
witnesses.

TRUMAN MERRIAM.

Witnesses:

CHAS. L. GOSS,  
M. E. BENSON.