

(No Model.)

P. CAREY.

FASTENING FOR NON-CONDUCTING COVERINGS.

No. 538,064.

Patented Apr. 23, 1895.

Fig. 1.

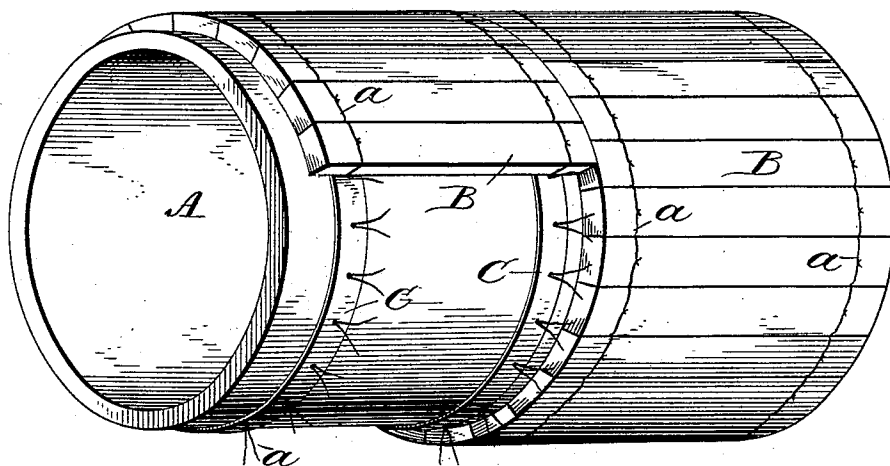
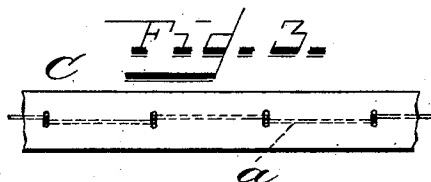
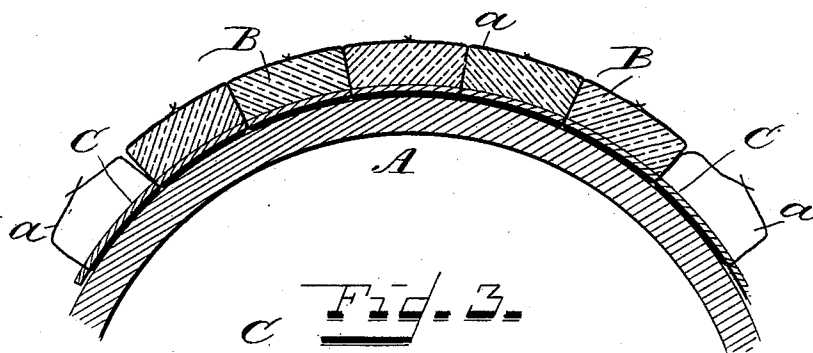


Fig. 2.



Witnesses.
J. Thomson Cross
Bernard J. Braunsfeld.

Inventor:
Philip Carey.
by *Char. M. Peck.*
his Attorney.

UNITED STATES PATENT OFFICE.

PHILIP CAREY, OF CINCINNATI, OHIO.

FASTENING FOR NON-CONDUCTING COVERINGS.

SPECIFICATION forming part of Letters Patent No. 538,064, dated April 23, 1895.

Application filed July 21, 1893. Serial No. 481,095. (No model.)

To all whom it may concern:

Be it known that I, PHILIP CAREY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Fastenings for Non-Conducting Coverings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of coverings for boilers and the like which are applied in strips laid side by side and extending in rows longitudinally of the boiler and it has for its object a simplified manner of securing said strips whereby one or more may be readily applied and removed when desired.

The novelty of my invention will be hereinafter set forth, and specifically pointed out in the claims.

In the accompanying drawings: Figure 1, is a perspective view of a boiler showing the application of my invention. Fig. 2, is an enlarged transverse section of a portion of the same. Fig. 3, is a detail view of a section of one of the hoops.

The same letters of reference are used to indicate identical parts in all the figures.

A, represents a boiler or other structure to be covered with the pieces or strips B of non conducting material. These strips I find it convenient to make about three inches wide and three feet long and composed of any suitable non conducting material of which asbestos usually forms the principal ingredient. To secure these strips in place so as to cover the boiler or other structure, I first secure around the boiler, bands or hoops C, properly spaced, usually three for each row of strips B, which bands remain permanently on the boiler and have their ends united by any suitable fastening.

Between the hoops C and the boiler or other structure are inserted pieces of wire *a* extending up through holes in the hoops, or secured thereto in any suitable manner, and of suffi-

cient length to be passed up around the pieces B which they snugly embrace and then they have their free ends joined or twisted to form ties to securely hold the pieces B to the surface of the boiler or other structure.

For each piece B of the size above mentioned there may be three wires *a* or more or less may be employed as desired. In this manner the pieces B may be secured upon the boiler, pipes or other structure to be covered, longitudinally with their sides closely abutting, for the wires will be slightly embedded in the pieces B and the entire surface of the boiler may be covered, or in the event of the pieces B being of a hardened material and not easily depressed, I make the openings in the hoops C large enough to admit of the wires being placed side by side, as shown in Fig. 3 of the drawings. At the same time should it be necessary to uncover any portion of the boiler or be desirable for any cause to remove any of the pieces B, the wires *a* can be readily untwisted, or disconnected and the pieces be removed and afterward replaced with the expenditure of very little time or trouble, and without interfering with any other one of the strips which remain secured on the boiler.

Having thus fully described my invention, I claim—

1. A fastening, for non-conducting covering-strips of boilers and the like, consisting of a series of metal hoops, encompassing the boiler and secured thereon, and a series of wires held by said hoops and adapted to be bent around the strips of non-conducting material and to be twisted or connected to hold to same in place on the boiler, substantially as described.

2. The combination of a boiler A, the flat metal hoops C secured thereon, the wires *a* held by said hoops and the covering strips B, held in place by the wires *a*, substantially in the manner and for the purpose specified.

PHILIP CAREY.

Witnesses:

J. THOMSON CROSS,
BERNARD J. HAUSFELD.