

(No Model.)

P. CAREY.

FASTENING FOR NON-CONDUCTING COVERINGS.

No. 526,022.

Patented Sept. 18, 1894.

Fig. 1.

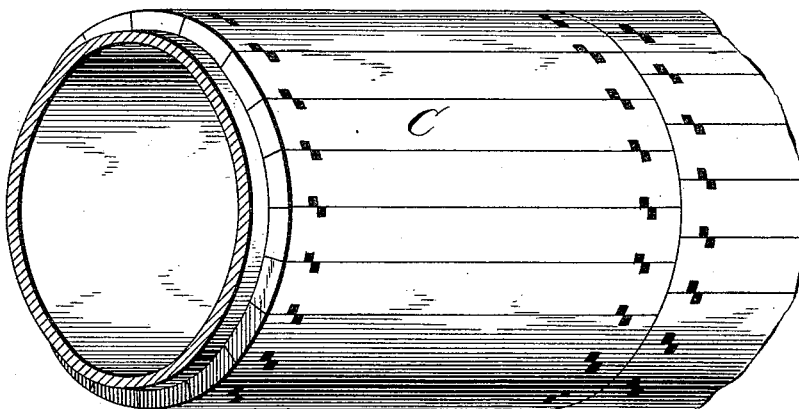


Fig. 2.

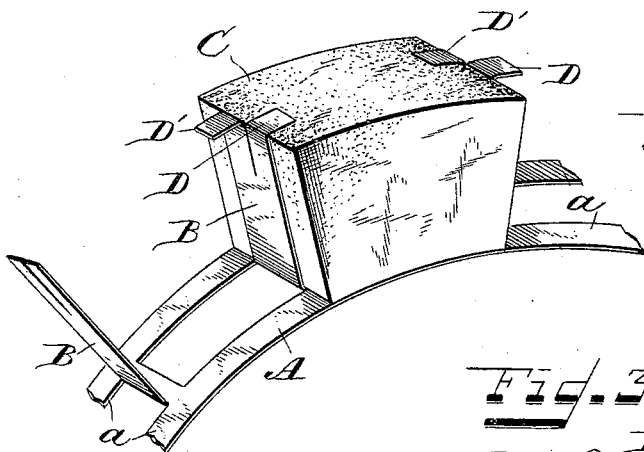
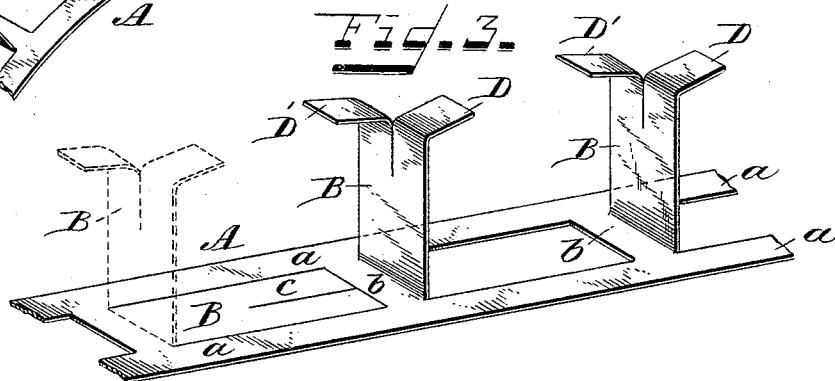


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

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FASTENING FOR NON-CONDUCTING COVERINGS.

SPECIFICATION forming part of Letters Patent No. 526,022, dated September 18, 1894.

Application filed October 11, 1893. Serial No. 487,820. (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 and whereby one or more may be removed to get at the boiler at any place and then be replaced without trouble or loss of time.

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 of a portion of a boiler showing the application of my invention. Fig. 2, is an enlarged detail perspective of a portion of one of the fasteners and a piece of one of the strips applied thereto. Fig. 3, is an enlarged perspective of a portion of one of the fasteners.

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

My improved fastenings are made of strips A of sheet metal, which I feed between suitable dies to cut out equidistantly, on the lines *a b*, Fig. 3, a rectangular portion B held to the hoop at one end, as shown, and at the same time, the end at the line *b* is slit in the middle at right angles to the line *b*, as shown by the line *c*. The hoops A, thus cut, are secured around the boiler and have their meeting ends secured together in any suitable manner and the cut out portions B are bent up so as to stand radially to the boiler. I employ two of these hoops for each row of the non-conducting strips C which I find it convenient to make about three inches wide and three feet long with beveled edges, and they are composed of any suitable non-conduct-

ing material of which asbestos usually forms the principal ingredient. These strips are placed between the radial portions B of the fasteners and the slit ends D D' which project beyond the strips are bent down on the top of the same, as clearly indicated in Fig. 2, the end D being bent over the one strip and its fellow D' being bent in an opposite direction over the next adjacent strip. In this way the entire boiler is covered, as shown in Fig. 1, and the strips are held securely in place. Should it be desirable to take out one or more strips to get at the boiler in any place, it is only necessary to bend up the retaining ends D D' and lift off the strip or strips required and then, when ready, replace the same and bend back the ends D D' to re-fasten them in place and without disturbing the remaining strips. If desired the slits *c* might extend the entire length of the portions B, and any number of hoops desired may be employed for a row of strips. As the covering material is soft, the portions B are embedded in its edges which come flush together and in the same way the retaining ends D D' may be embedded in the tops or outer sides of the strips.

While I have shown and described my preferred form of constructing the fastenings, my invention is not limited to forming the pieces B integral with the strips A, for they might be separate and riveted or otherwise secured thereto. Nor do I limit myself to the manner in which the pieces B are formed, so long as they are carried by the strips A and can project between and beyond the covering strips and can be bent over to lock the same in place.

Having thus fully described my invention, I claim—

1. A fastening for covering-strips, consisting of a series of flat metal strips adapted to be secured upon a boiler or other object and carrying retaining pieces to project between and beyond and be bent over the outer sides of the covering-strips, substantially as described.

2. A fastening for covering strips, consisting of a series of flat metal strips adapted

to be secured to a boiler or other object and having integral retaining pieces to project between and beyond and be bent over the outer sides of the covering-strips, substantially as described.

5 3. The herein described fastening hoop A having the cut portions B split at their ends

to form the retaining ends D D', substantially as and for the purpose specified.

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Witnesses:

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