No. 819,020. PATENTED APR. 24, 1906.

L. G. MONG.

BOILER BRACE.

APPLICATION FILED NOV. 2, 1905.

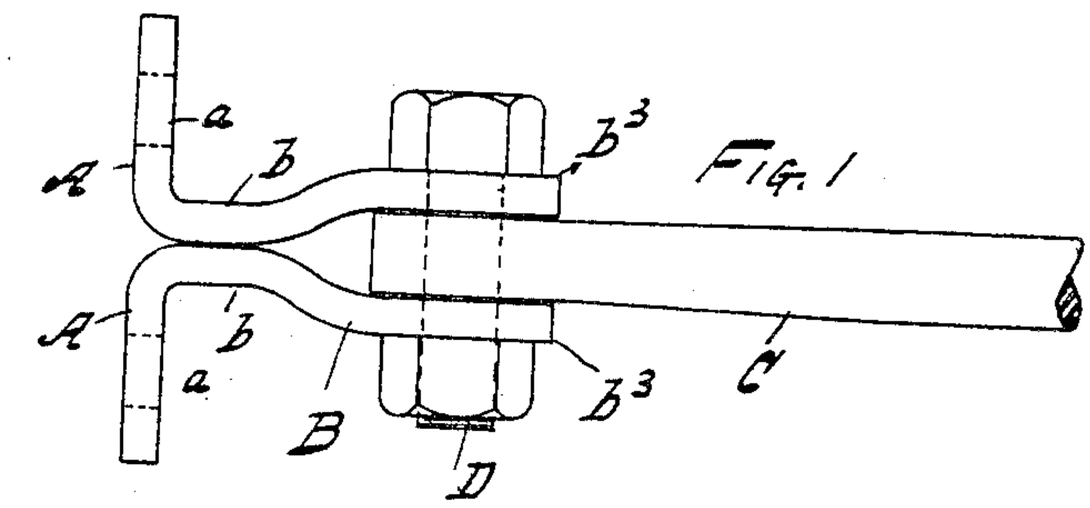

FIG. 1

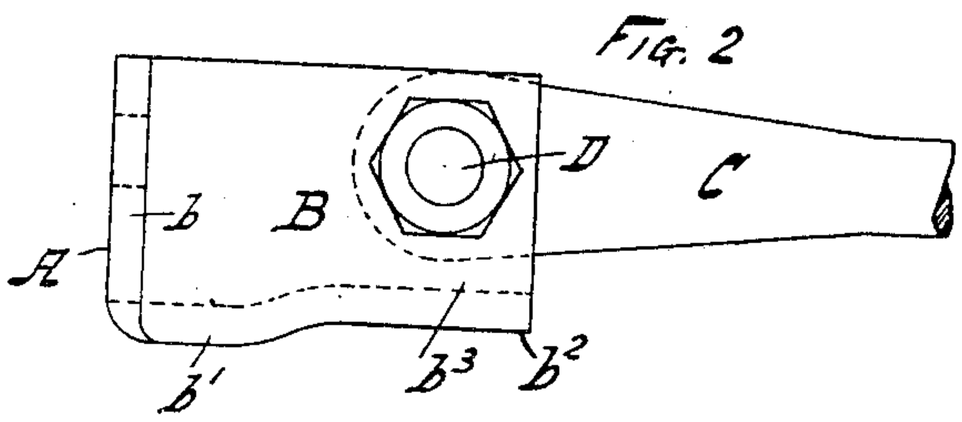

FIG. 2

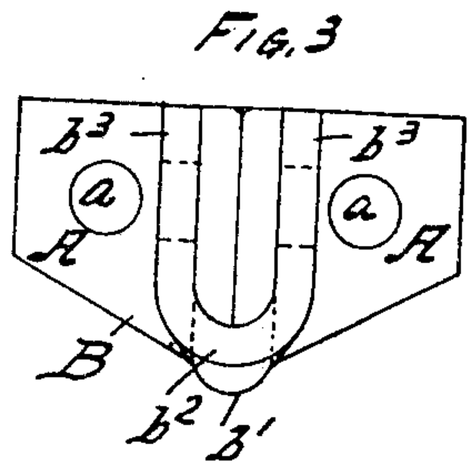

FIG. 3

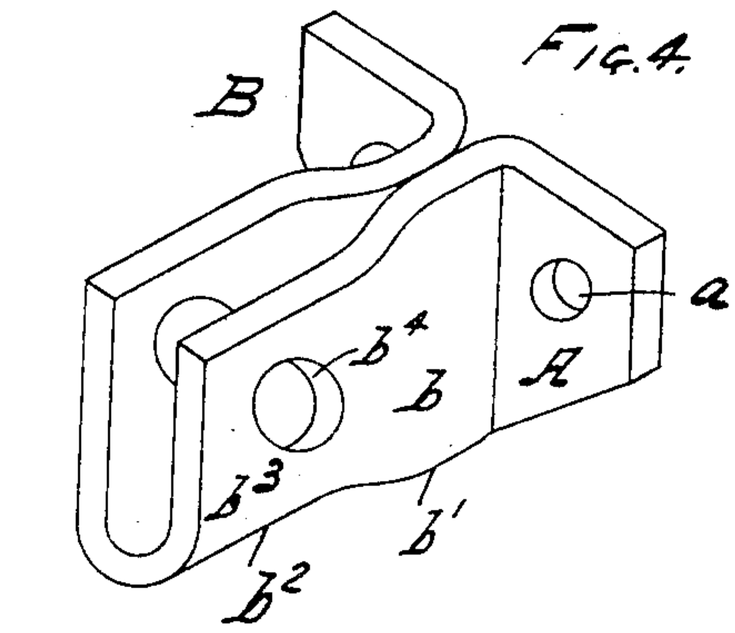

FIG. 4.

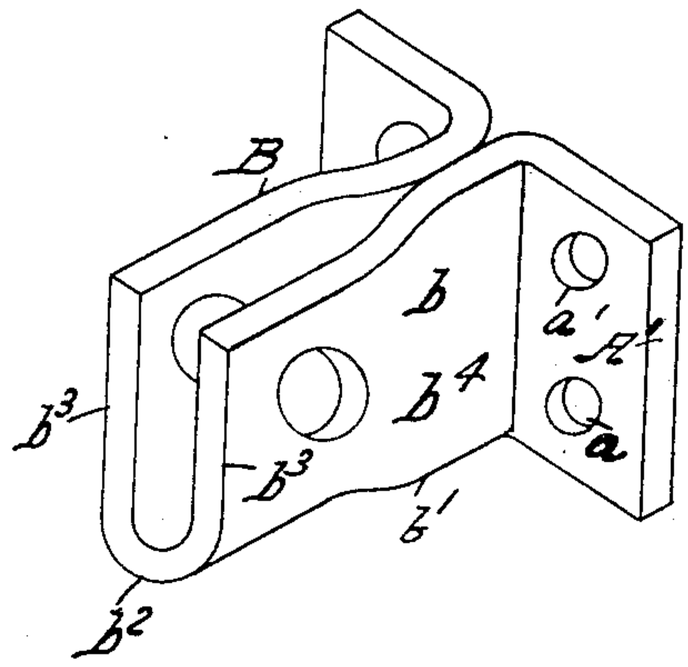

FIG. 5

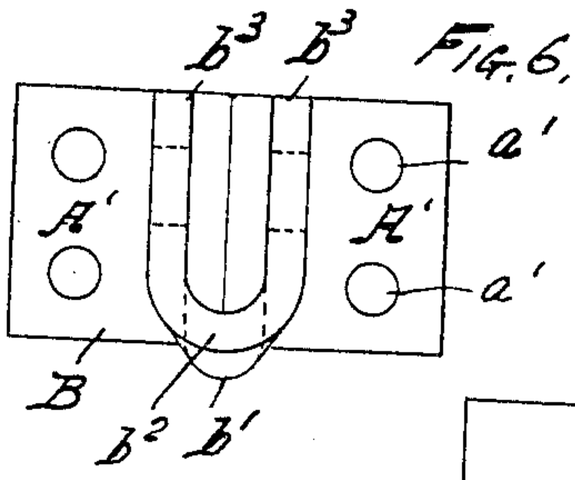

FIG. 6.

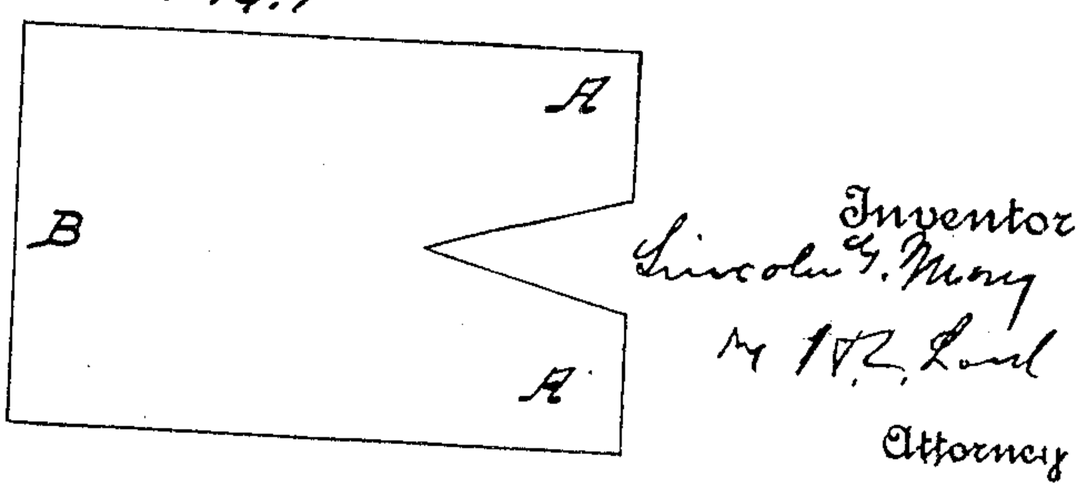

FIG. 7

Witnesses
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Inventor
Lincoln G. Mong
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Attorney

UNITED STATES PATENT OFFICE.

LINCOLN G. MONG, OF ERIE, PENNSYLVANIA, ASSIGNOR TO ERIE CITY IRON WORKS, OF ERIE, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

BOILER-BRACE.

No. 819,020. Specification of Letters Patent. Patented April 24, 1906.

Application filed November 2, 1905. Serial No. 285,615.

To all whom it may concern:

Be it known that I, LINCOLN G. MONG, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented new and useful Improvements in Boiler-Braces, of which the following is a specification.

This invention relates to boiler-braces; and it consists in certain improvements in the construction thereof, as will be hereinafter fully described, and pointed out in the claims.

The object of the invention is to provide a boiler-brace, especially one in which a rod may be used free from wells.

The invention is illustrated in the accompanying drawings, as follows:

Figure 1 shows a plan view; Fig. 2, a side elevation; Fig. 3, an end elevation; Fig. 4, a perspective view; Fig. 5, a perspective view of a brace having a double crow-foot; Fig. 6, an end elevation of the same; Fig. 7, a blank from which the brace is formed.

The brace comprises the feet A A. These are bent outwardly from and formed integrally with the shank B, the whole being preferably formed from a plate of metal, the blank being as shown in Fig. 7. The shank is formed by bending the blank along the center. This forms the neck, with the walls b b close together, connected by the bend b' and the walls b^3 b^3 extending from the neck at a sufficient distance apart to permit the insertion of the brace-rod C. The walls b^3 b^3 are preferably connected by the bend b^2. The feet A A are provided with the perforations a a, so that it may be riveted to the plate or head (not shown) which it is desired to brace, and the walls b^3 b^3 have the perforations b^4. A bolt D is passed through these perforations and the rod C, thus forming a means of connection.

In the alternative construction shown in Figs. 5 and 6 the feet A′ are full width of the material and are provided with two perforations a' a'; otherwise the construction is the same as that shown in the other figures.

What I claim as new is—

1. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured.

2. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured, the walls b^3 b^3 being connected by the turn b^2.

3. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured; and the neck portion having the walls b b formed in continuation of the walls b^3 b^3, the walls b b being close together.

4. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured; and the neck portion having the walls b b formed in continuation of the walls b^3 b^3, the walls b b being close together and connected by the turn b'.

5. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured, the walls b^3 b^3 being connected by the turn b^2; and the neck portion having the walls b b formed in continuation of the walls b^3 b^3, the walls b b being close together.

6. A boiler-brace comprising the feet A A adapted to be secured to a boiler, and the shank formed integrally therewith and having the separated walls b^3 b^3 between which a brace-rod may be placed and secured, the walls b^3 b^3 being connected by the turn b^2; and the neck portion having the walls b b formed in continuation of the walls b^3 b^3, the walls b b being close together and connected by the turn b'.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LINCOLN G. MONG.

Witnesses:
CHARLES G. BREVILLIER,
H. C. LORD.