

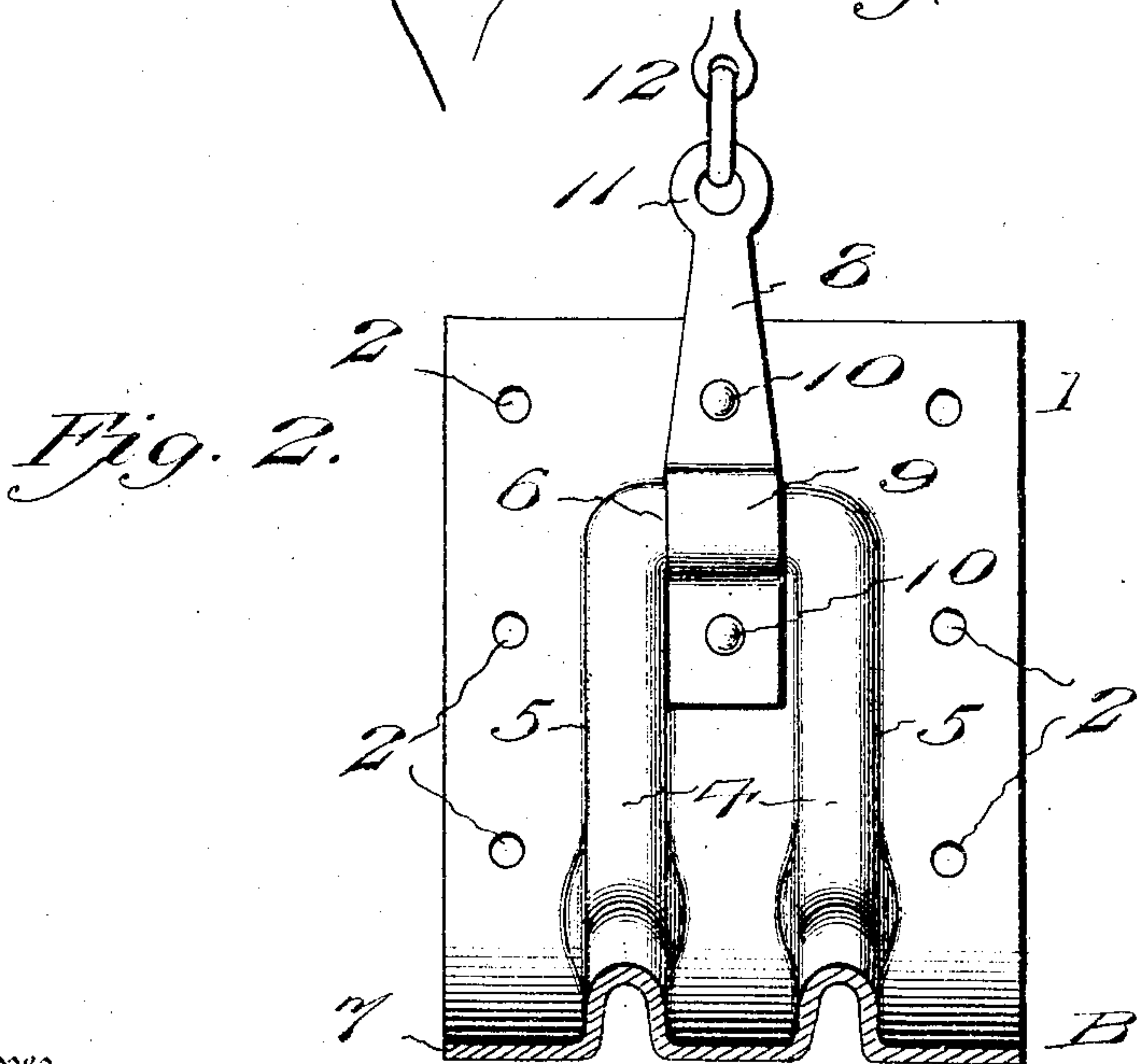
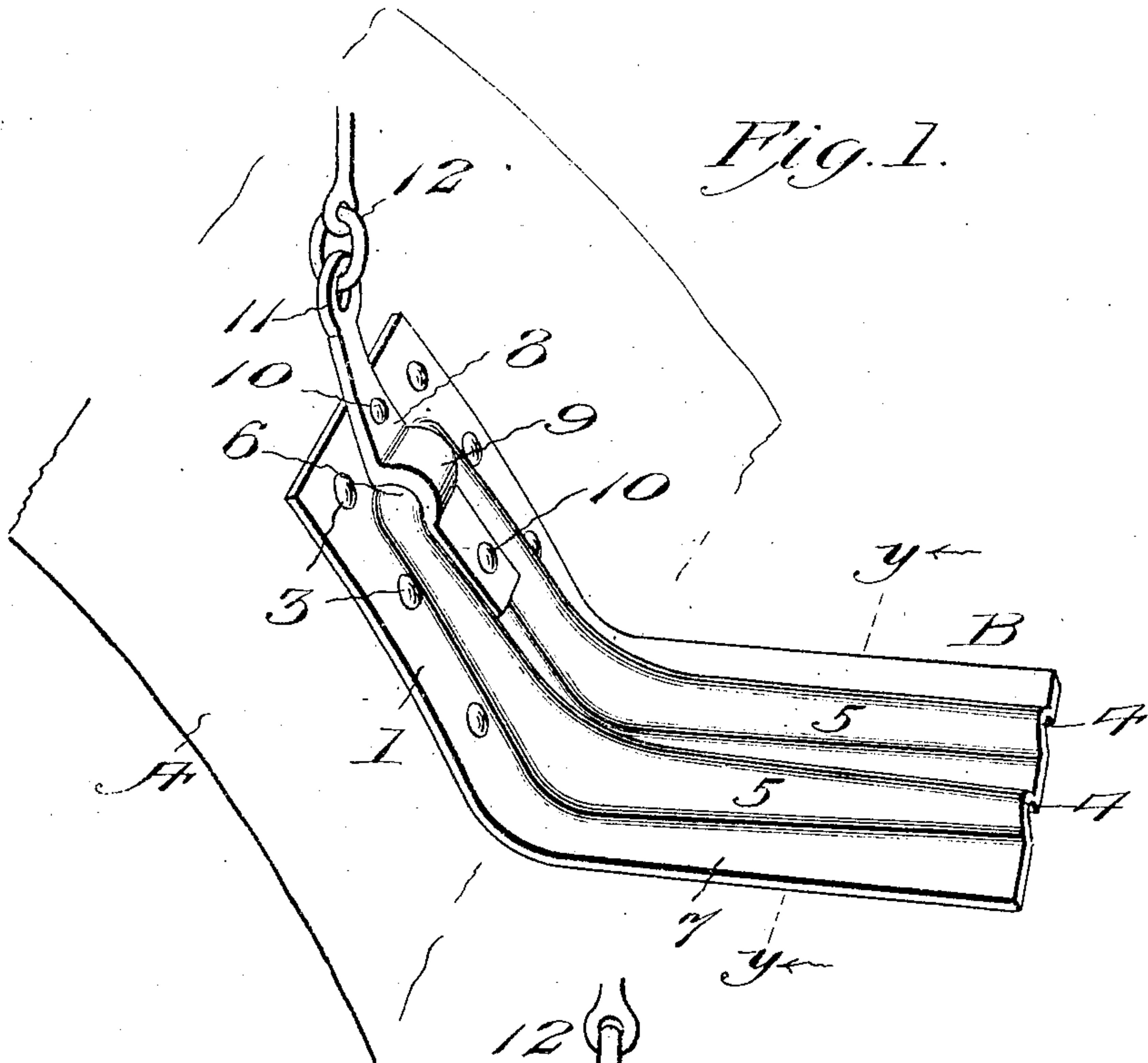
No. 774,932.

PATENTED NOV. 15, 1904.

D. M. BURNS.
SUPPORTING LUG.

APPLICATION FILED SEPT. 2, 1904.

NO MODEL.



Inventor

Witnesses

Wm. L. Berth.
L. E. Backley.

By

David M. Burns,
Frank S. Appelman
Attorney

UNITED STATES PATENT OFFICE.

DAVID M. BURNS, OF GREENBAY, WISCONSIN.

SUPPORTING-LUG.

SPECIFICATION forming part of Letters Patent No. 774,932, dated November 15, 1904.

Application filed September 2, 1904. Serial No. 223,163. (No model.)

To all whom it may concern:

Be it known that I, DAVID M. BURNS, a citizen of the United States of America, residing at Greenbay, in the county of Brown and State of Wisconsin, have invented certain new and useful Improvements in Supporting-Lugs for Steam-Boilers, of which the following is a specification.

This invention relates to supporting-lugs for steam-boilers or other bodies adapted to be suspended.

It has for its object a novel combination and arrangement of parts formed from pressed or stamped metal.

It has for a further object the provision of a device of this character that will be simple in construction and efficient in practice.

With the above and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and claimed.

In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters will denote corresponding parts in the several views, and in which—

Figure 1 is a perspective view of the invention, a fragment of a boiler being illustrated to show the device applied; and Fig. 2 is a sectional view on the lines *y y* of Fig. 1.

In the drawings, A indicates a portion of the boiler of usual construction, and B the supporting-lug. The lug is formed, preferably, of a rectangular piece of metal having an end bent upwardly on a curve, said curve being adapted to conform to the contour of the boiler. Said curved portion is provided with a series of apertures 2, through which the rivets 3 are adapted to pass, said rivets being the means by which the lug is attached to the body to be supported.

Pressed or stamped up from the lug is a continuous rib 4. Said rib is approximately U-shaped on top plan and has its side portions parallel with the sides of the lug and with each other. The base portion or cross-strip 6 is near the top of the curved portion of said lug. The said parallel portions 5 of the rib gradually increase in depth from each end to-

ward the junction of the curved portion with the straight or flat portion 7 of the lug. This is for the purpose of greatly reinforcing that portion of the lug where the maximum of strain is concentrated.

To the upper end of the curved portion of the lug is secured a strap 8. This strap consists of a narrow strip of metal having a hump or raised portion 9 adapted to fit over the base portion or cross-strip 6 of the rib and is secured to the said lug by rivets 10, passing through the strap and lug at a point on both sides of the cross-strip. A portion of the strap extends beyond the lug, and said portion is bent outwardly at a slight angle with relation to curved portion of the lug. The free end of this extension is provided with an opening or aperture 11, in which an end of a hanger 12 is attached. The opposite end of said hanger is secured to a suitable permanent structure. (Not shown.)

The construction and operation of the invention will be, it is thought, readily understood from the foregoing description, it being noted that slight changes may be resorted to that fairly fall within its scope.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device of the character described comprising a strip of metal having a bent portion at one end, said bent portion being provided with apertures, a continuous rib pressed up from the metal, said rib being approximately U-shaped in top plan and having its base portion positioned near the top of the bent portion, and means secured to the top of the bent portion for receiving an end of a hanger.

2. A device of the character described formed of a single piece of metal having one end turned up, a continuous rib, approximately U-shaped in top plan, pressed up from the strip, the parallel portion of said rib increasing in depth from each end toward the junction of the upturned portion of the strip with the remaining portion.

3. A device of the character described formed of a single piece of metal having a bent portion at one end, a continuous rib pressed up from the strip, said rib being ap-

proximately U-shaped in top plan, the cross-strip of said rib being located near the top of the bent portion of the strip, and a strap having an aperture in one end and a hump midway its length, said hump fitting over the cross-strip of the continuous rib, and means on either side of the cross-strip for securing the strap to the upturned portion.

In testimony whereof I affix my signature, in the presence of two witnesses, this 31st day 10 of August, 1904.

DAVID M. BURNS.

Witnesses:

L. A. CALKINS,
RENA LUCAS.