G. O. MILLER.

BOILER STAND.

APPLICATION FILED NOV. 25, 1907.

910,938. Patented Jan. 26, 1909.

Fig. 1.

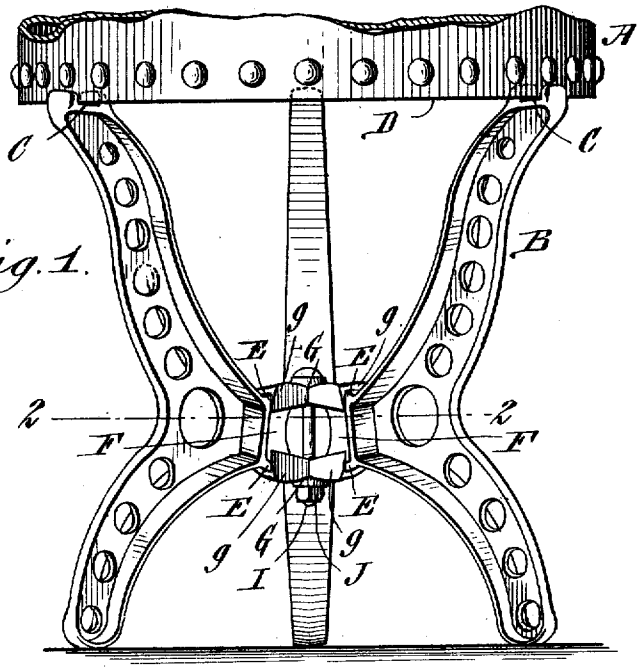


Fig. 2.

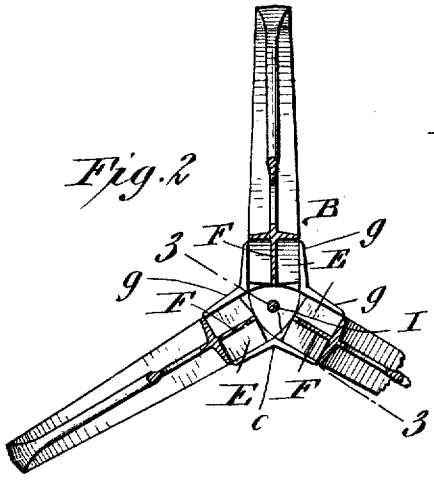


Fig. 3.

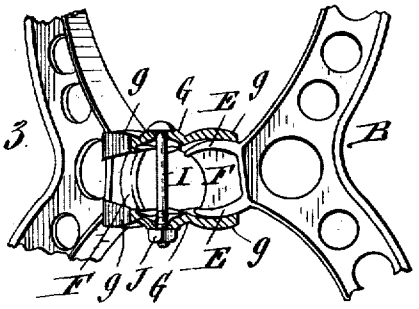
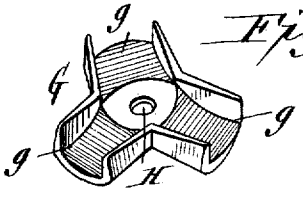


Fig. 4.



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BOILER-STAND.

No. 910,938. Specification of Letters Patent. Patented Jan. 26, 1909.

Application filed November 25, 1907. Serial No. 403,694.

To all whom it may concern:

Be it known that I, GEORGE O. MILLER, a citizen of the United States, residing at North Tonawanda, in the county of Niagara and State of New York, have invented new and useful Improvements in Boiler-Stands, of which the following is a full, clear, and exact description.

My invention relates to improvements in boiler-stands, and it has for its object the production of a device of this character which can be adjusted to support water-boilers of different diameters, and which can be quickly and easily assembled and as readily disassembled so that it can be shipped in compact form.

In the drawings,—Figure 1 is a side elevation of a boiler-stand embodying my invention and showing the manner of supporting a boiler. Fig. 2 is a horizontal section taken on line 2—2, Fig. 1. Fig. 3 is a vertical section taken on line 3—3, Fig. 2. Fig. 4 is a perspective view of one of the clamping-plates.

Referring to the drawings in detail, like letters of reference refer to like parts in the several figures.

The reference letter A designates a boiler supported on my improved stand B. The latter consists of three legs which are preferably curved inward at a point between their ends so that they form in assembled condition a double-ended tripod. The upper end of each leg has a notch C to receive the flange D at the lower end of the boiler. Each of the legs is provided at the point where they closest approach each other with a pair of inwardly directed horizontally disposed lugs E connected by a vertical web F; the upper face of the upper lug and the lower face of the lower lug of each leg being curved for a purpose to be presently described. The lugs and web of each leg form a convex extension, and these extensions are directed toward the center of the stand and clamped between a pair of clamping-plates G having three channel-shaped radial extensions *g* in which the convex extensions are confined. The inner faces of said clamping-plates are concaved to correspond to, or approximately correspond to the curvature of the convex faces of the lugs E, and they are provided with alined bolt-holes H through which a bolt I is passed; a nut J being applied to the threaded lower end of said bolt.

Upon loosening the bolt slightly, the legs of the stand may be adjusted so as to further separate the upper ends of the legs or to bring them closer together; the convex-extensions on the legs adjusting themselves between the clamping-plates for this purpose. After the legs are adjusted, it is simply necessary to tighten the bolt, which causes the convex extensions on the legs to be tightly clamped in their adjusted position.

Having thus described my invention, what I claim is,—

1. In a boiler-stand, the combination of a plurality of legs approaching each other at a point between their ends and provided at such point with inwardly directed extensions having convex upper and lower faces, clamping-plates between which said extensions are held, and a bolt passing through said plates to clamp said extensions between the same.

2. In a boiler-stand, the combination of a plurality of legs approaching each other at a point between their ends and provided with inwardly directed extensions at such point having upper and lower convex-faces, clamping-plates between which said extensions are held having their opposing faces concaved, and means for causing said plates to securely clamp said extensions in any adjusted position.

3. In a boiler-stand, the combination of a plurality of legs approaching each other at a point between their ends and each having a pair of inwardly directed horizontally disposed lugs at such point connected by a vertical web, said lugs having convex outer faces, concaved clamping-plates between which said lugs are held, and a bolt passing through said plates and having a nut applied to its threaded end.

4. In a boiler-stand, the combination of a plurality of legs approaching each other at a point between their ends, each leg being provided with an inwardly directed extension having convex upper and lower faces, clamping-plates having concaved radial extensions

between which the extensions on the legs are held, and means for clamping the extensions of the legs between said plates.

5. In a boiler-stand, the combination of a plurality of legs curved to approach each other closest at a point between their ends, each leg being provided with an inwardly directed extension having convex upper and lower faces, a pair of clamping-plates having radial channeled concave extensions in which the convex extensions of the legs are held, and a bolt passing through said plates and having a nut applied to its threaded end.

In testimony whereof, I have affixed my signature in the presence of two subscribing witnesses.

GEORGE O. MILLER.

Witnesses:
ALICE M. MILLER,
IRENE E. SUTTON.