No. 898,059. PATENTED SEPT. 8, 1908.

G. O. MILLER.

ADJUSTABLE STAND.

APPLICATION FILED FEB. 1, 1908.

Fig. 1.

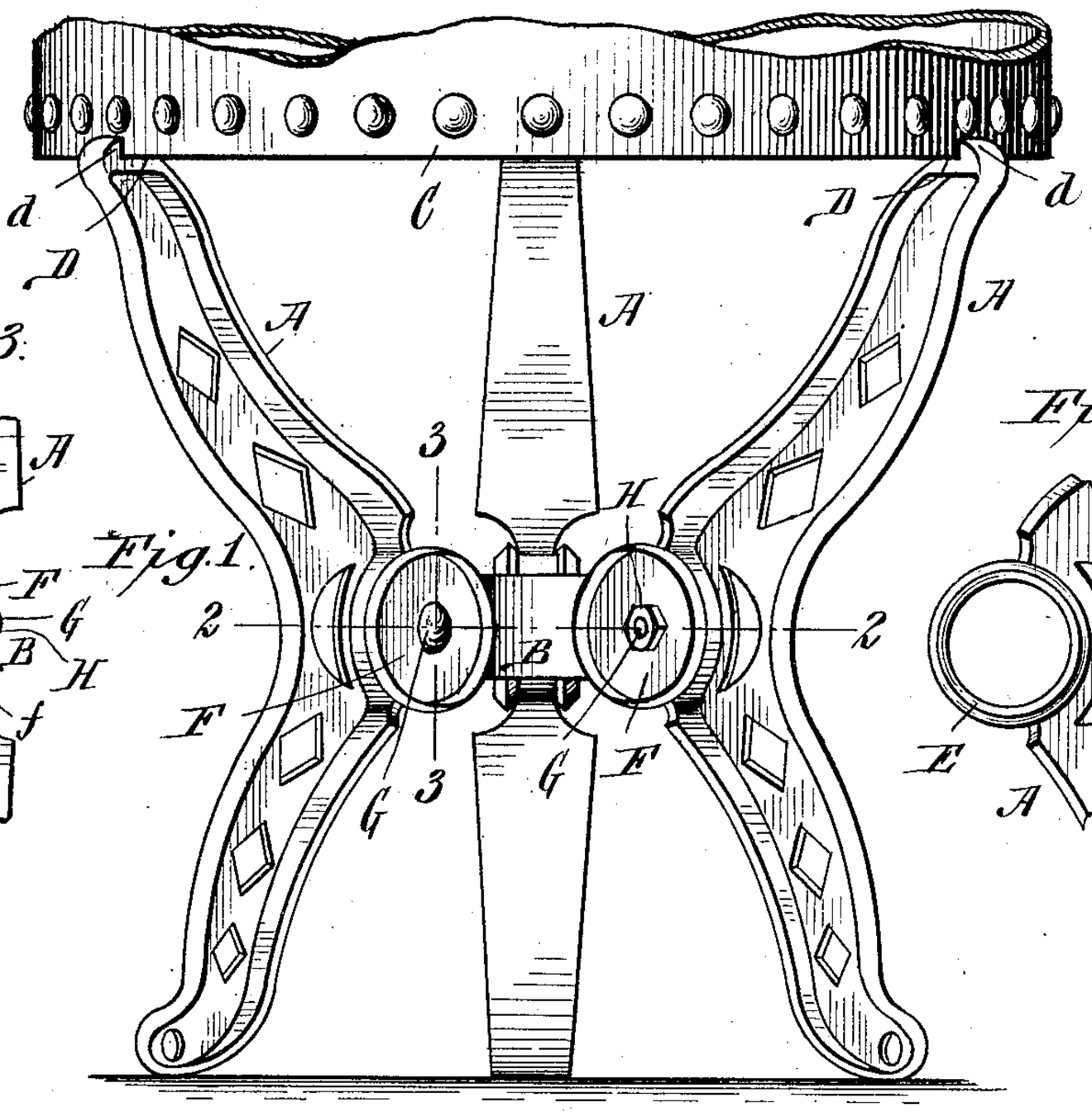

Fig. 3.

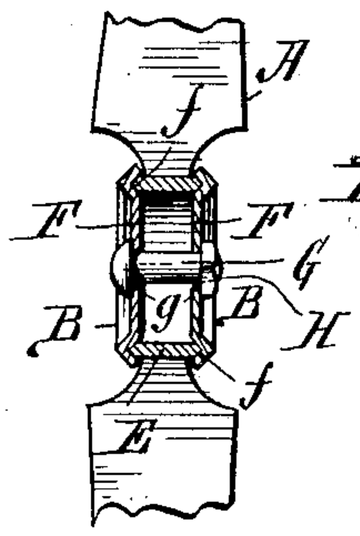

Fig. 4.

Fig. 5

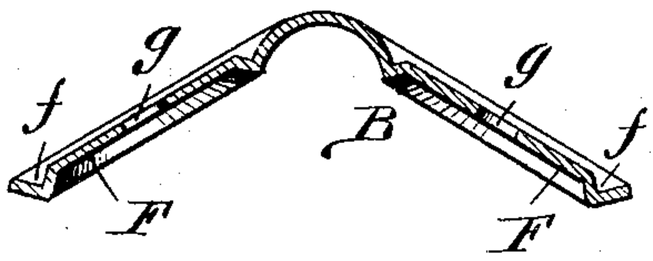

Fig. 6.

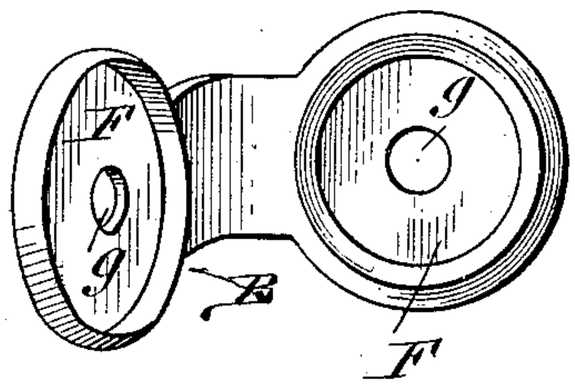

Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE O. MILLER, OF NORTH TONAWANDA, NEW YORK.

ADJUSTABLE STAND.

No. 898,059. Specification of Letters Patent. Patented Sept. 8, 1908.

Application filed February 1, 1908. Serial No. 413,901.

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 certain new and useful Improvements in Adjustable Stands, of which the following is a specification.

My invention relates to adjustable stands, and more particularly to stands for hot water boilers.

The primary object of my invention is the production of an inexpensive adjustable-stand which can be quickly and conveniently adjusted to support boilers of different sizes in diameter, and one that can be easily disassembled and packed within small space for shipment.

It also has for its object the production of a stand of such character, which is light and durable in construction, and which when assembled, will occupy but little space upon the floor and permit the floor beneath the boiler to be readily cleaned.

My improved stand consists of a plurality of supporting-legs, preferably three in number, curved inward from both ends so that they approach each other closest at a point about midlength, at which point they are provided with annular inwardly extending retaining-members adapted to be connected between clamping-elements having circular ends grooved to receive the edges of the retaining-members and to permit the latter to be adjusted between said clamping elements.

My invention consists in the construction, arrangement and combination of parts to be hereinafter described and particularly pointed out in the appended claims.

In the accompanying drawings,—Figure 1 is a side elevation of my improved stand showing the manner of supporting a boiler or other object thereon. 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. 1. Fig. 4 is a side elevation of the center portion of one of the supporting-legs. Fig. 5 is a central longitudinal section through one of the V-shaped clamping-plates. Fig. 6 is a perspective view of one of the clamping-plates.

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

The stand essentially comprises three supporting-legs A which are preferably made of cast-metal and curved inward from opposite ends so that they closest approach each other midlength, at which point they are connected by clamping-members B.

In Fig. 1, the lower end of a hot water-boiler C is shown as supported upon the stand, but any other object may be supported thereon. The upper ends of the supporting-legs are notched, as at D, for the purpose of forming stops *d* which serve to retain the supported object in proper position on the stand. Each of the legs is substantially of T-formation in cross-section, as best shown in Fig. 2, and said legs are provided at the points where they closest approach each other with converging annular retaining-members E whose edges are oppositely beveled. Said annular retaining-members are clamped between the clamping-members B, which are in the form of substantially V-shaped plates provided with circular end-portions F having on their inner faces and around their marginal portions, substantially V-shaped grooves *f* in which the oppositely beveled edges of the annular retaining-members E are held; said retaining-members being clamped between the circular end portions of the clamping-plates by means of bolts G passing through alined bolt-holes *g* in said plates; the end portions lying on opposite sides of the annular retaining-members. The bolts G have nuts H applied to their threaded ends.

In order to adjust the supporting-legs to the object to be supported, it is simply necessary to unscrew the nuts until the annular retaining-members can be turned between the clamping-plates, and after the upper ends of the legs are brought to the desired position, they may be secured in such position by tightening the said nuts.

It is apparent from the foregoing description that the supporting-legs can be quickly and conveniently adjusted to any desired position within certain limits and be quickly and positively clamped in the adjusted position, and that in order to disassemble the parts of the stand, it is simply necessary to remove the bolts G, after which the several parts may be packed within a small compass for shipment.

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

1. In an adjustable stand, the combination of a plurality of legs approaching each other closest at a point between their ends

and having retaining-members of annular formation at such point, and clamping-members between which said annular retaining-members are clamped.

2. In an adjustable stand, the combination of a plurality of legs approaching each other closest at a point between their ends and having annular retaining-portions at such point, and clamping-members between two of which each of said annular retaining-portions is clamped.

3. In an adjustable stand, the combination of a plurality of supporting-legs provided at points between their ends with retaining annuli, clamping-plates having annular grooves to receive the edges of said annuli, and bolts passing through said plates and said annuli for securing said supporting-legs together.

4. In an adjustable stand, the combination of a plurality of supporting-legs having retaining-annuli in the same horizontal plane, clamping-plates provided with annular grooves in which the edges of said retaining-annuli fit, and bolts passing through said clamping-plates and said annuli to secure the supporting-legs together.

5. In an adjustable stand, the combination of a plurality of supporting-legs approaching each other closest at a point between their ends and each having a retaining-annulus at such point, clamping plates bent into substantially V-shape and having opposite ends provided with annular grooves in which the edges of the retaining-annuli on said legs enter, and bolts passing through said clamping-plates and said annuli to securely clamp the latter between said plates.

6. In an adjustable stand, the combination of supporting-legs approaching each other closest at a point between their ends and each having a retaining-annulus at such point, clamping-plates bent between their ends and having annular grooves in their inner faces on opposite sides of their bent portions, said grooves being adapted to receive the retaining-annuli of said supporting-legs, and means for clamping said retaining-annuli between said clamping-plates.

7. In an adjustable stand, the combination of a plurality of supporting-legs curved inward to approach each other closest at a point between their ends, each supporting leg having a retaining annulus at such point, V-shaped clamping-plates having circular end portions provided with annular grooves in which the edges of the retaining-annuli are adapted to fit, and clamping-bolts passing through said circular end portions and the annuli clamped therebetween.

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

GEORGE O. MILLER.

Witnesses:
ELLA C. PLUECKHAHN,
EMIL NEUHART.