Sept. 29, 1925. 1,555,445

J. F. ARTHUR

KITCHEN BOILER STAND

Filed April 21, 1922

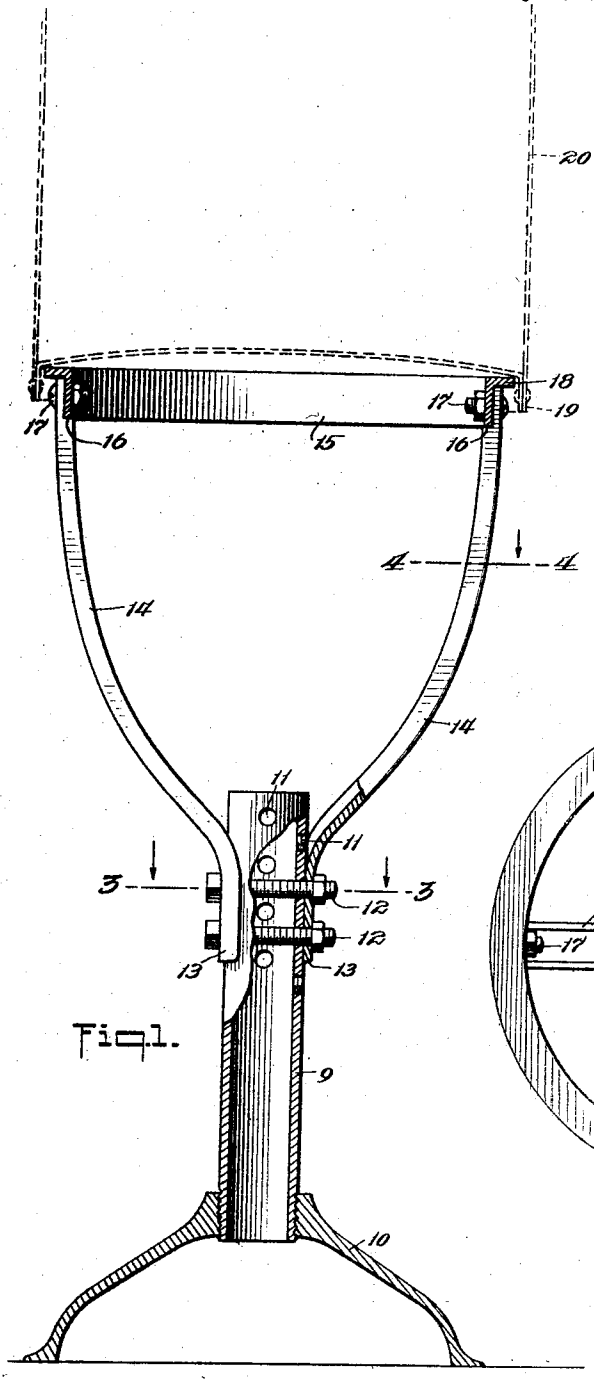


Fig.1.

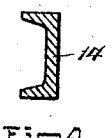


Fig.4.

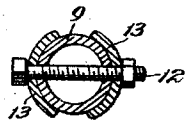


Fig.3.

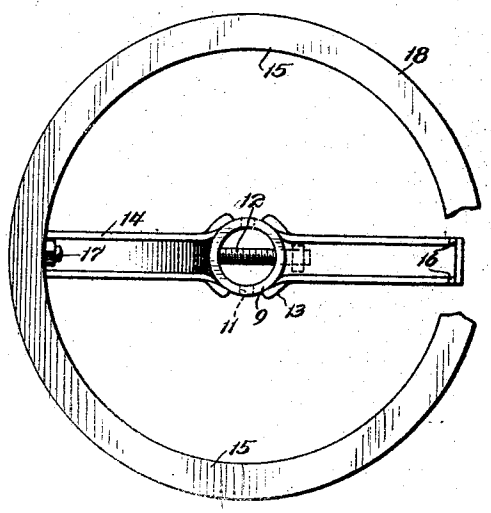


Fig.2.

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UNITED STATES PATENT OFFICE.

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KITCHEN BOILER STAND.

Application filed April 21, 1922. Serial No. 555,807.

To all whom it may concern:

Be it known that I, JAMES F. ARTHUR, a citizen of the United States, and a resident of Dickson City, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in a Kitchen Boiler Stand, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: To provide means for mounting a stand of the character mentioned in service adjusted to suitable heights; to furnish a means for adjusting the boiler in the manner set forth, simple and easy of manipulation; and to provide said means cheaply and simply constructed.

Drawings.

Figure 1 is a vertical section of a boiler stand constructed and arranged in accordance with the present invention, the lower fragment of the usual domestic kitchen boiler being shown in broken lines.

Figure 2 is a top plan view of the same, the boiler being removed and the seating ring or collar being partly cut away to show the construction of the supporting bracket.

Figure 3 is a cross section taken on the line 3—3 in Figure 1.

Figure 4 is a cross section taken on the line 4—4 in Figure 1.

Description.

The present invention is principally intended to supply the need for adjusting the domestic or kitchen boiler in service, and especially with reference to the heating appliance or water-back used in connection therewith. To this end a pillar 9 is employed.

The pillar 9 is constructed from a suitable pipe section threaded at the lower end for engagement by the base 10. At the upper end section the pipe is pierced with a number of perforations 11. The perforations 11 are arranged vertically and preferably in series. The perforations in each series are spaced apart a predetermined distance and the different series are disposed in staggered relation horizontally, that is to say, the horizontal planes of one series of perforations would inter-leave the horizontal planes of the other series. The perforations are disposed in pairs or aligned so that bolts 12 may be passed therethrough extending from side to side of the pillar 9.

The bolts 12 engage perforations provided in the curved clamp ends 13 of the bowed brackets 14. The brackets 14 as seen best in Figure 4 of the drawings are preferably constructed from shallow channel iron shaped as seen best in Figure 1 to spread at the top for engaging the ring collar 15.

To facilitate the assembly of the collar 15 and the brackets 14, the flanges of the channel iron are cut away to form seats 16 on which the cylindrical flange of the collar 15 rests. Adjacent the upper extremities of the brackets 14 the said brackets are pierced to receive bolts 17 which when set up hold the collar 15 rigidly in position, with the top flange 18 thereof disposed so as to fit within the lower flanged edge 19 of the boiler 20.

It is obvious that when arranging the boiler 20 the bolts 12 may be removed from any series of perforations 11 with which they may be engaged, and the brackets 14 may be adjusted with reference to the pillar 9 up and down thereon, when the proper adjustment, or that adjustment which properly disposes the boiler 20 is attained. The bolts 12 are inserted through the perforations 11 nearest the level with the perforations formed in the clamp ends 13 of the bracket 14. It may be necessary in arranging this that the brackets or the pillar 9 with its base 10 shall be rotated relatively to present the said perforations 11 to the bolts 12. The bolts 12 having been secured the stand is ready to receive the boiler 20 which is then placed as shown by the dotted lines in Figure 1 of the drawings.

Claim.

A boiler stand comprising a spider base provided with an internally threaded bore, a tubular standard threaded at its lower end in the bore of said base for connection and vertical adjustment therewith, the upper end of said standard being provided with a plurality of vertically spaced series of

diametrically opposed apertures, with the series in staggered relation, a boiler supporting ring, channeled bracket arms having supporting shoulders cut therein at one end carrying said ring and converging at their opposite ends to engage the standard therebetween, said arms being provided with aligned apertures, and bolts for disposition through the apertures of said arms and through a series of apertures in the standard for securing said arms to the standard in adjustable relation therewith.

JAMES F. ARTHUR.