C. H. FOSTER.

BOILER STAND.

APPLICATION FILED FEB. 25, 1918.

1,288,551. Patented Dec. 24, 1918.

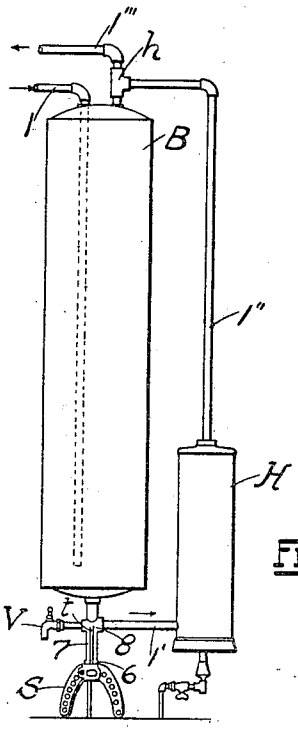


FIG. 1.

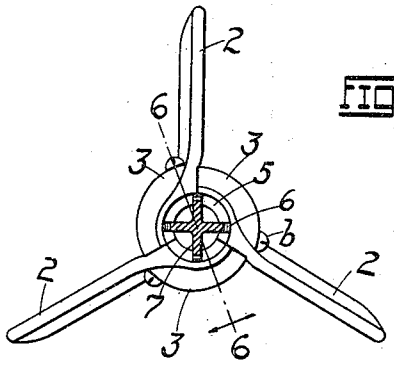


FIG. 3.

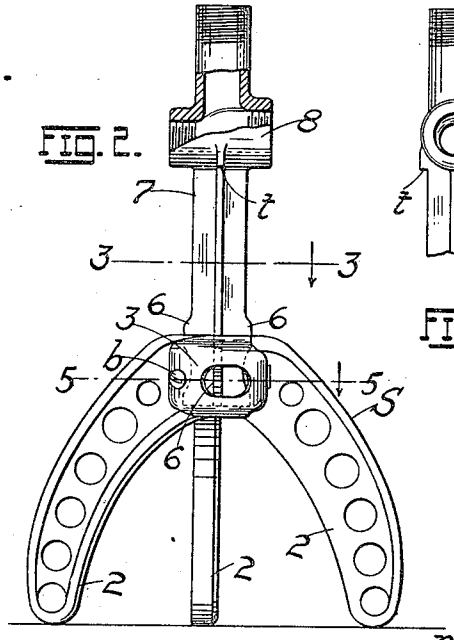


FIG. 2.

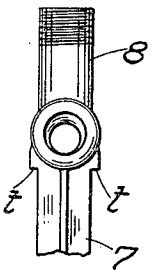
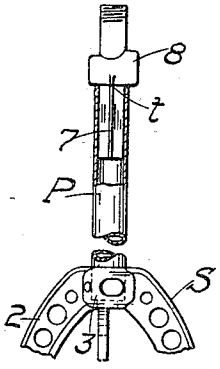


FIG. 4.

FIG. 7.



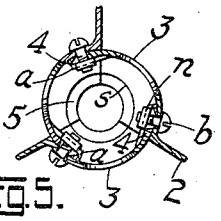


FIG. 5.

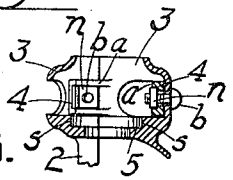


FIG. 6.

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BOILER-STAND.

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To all whom it may concern:

Be it known that I, CHARLES H. FOSTER, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Boiler-Stands, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

The present invention is directed to improvements in stands for supporting kitchen-range boilers, and has for its object to provide a combination support and fixture available for use with any conventional form of supporting base, or with any extension pipe applied to such base for the purpose of holding the boiler at any desired elevation from the floor. The advantages of the invention will be fully apparent from the following detailed description in connection with the accompanying drawings in which—

Figure 1 represents an elevation of a kitchen-range boiler showing my invention applied thereto; Fig. 2 is an elevation of the boiler stand detached from the boiler; Fig. 3 is a horizontal section on the line 3—3 of Fig. 2; Fig. 4 is an elevational detail of the upper end of the staff and its fitting taken at right angles to Fig. 2; Fig. 5 is a horizontal sectional detail on the line 5—5 of Fig. 2; Fig. 6 is a vertical sectional detail through the socket of the base or tripod on the line 6—6 of Fig. 3; and Fig. 7 is an elevation of the staff with enlarged base removed, showing its application to an ordinary gas pipe.

Referring to the drawings, and for the present to Figs. 1 to 6 inclusive, B, represents a range boiler tapped at the top the receive the cold water pipe 1 as well understood in the art. S, represents a base or tripod each section or leg 2 of which is provided at the top with a curved coupling formation 3 terminating in a reduced tongue or extension 4, the tongue of one section engaging the inner wall of the formation 3 of an adjacent section, whereby when the sections are assembled the several formations 3 will form a socket or holder for the detachable staff and fixture to be presently described. The sides of the tongues 4 are flanged, the flanges *a* holding against rotation the nuts *n* passed over the inner ends of the screw-bolts *b* passed through the tongues and formations 3, and by which the assembled sections are held together. The base of the socket formed by the assembled members 3 is provided with an annular ledge or support 5 offset from the base of the shoulder *s* by which it is surrounded.

The socket of the tripod receives the enlarged bottom terminal or base 6 of a staff 7, the latter as well as the base 6 being longitudinally ribbed and substantially star-shaped in cross-section, the staff 7 being surmounted by an inverted T-shaped hollow fitting 8 the vertical leg of which screws into the bottom of the boiler, one of the horizontal legs of said fitting (the larger leg) being connected to the cold water circulating pipe 1′ traversing the heater H, from which it emerges as a hot water pipe 1″ the upper end of which connects with the top of the boiler through a T or fitting *h* from which leads the hot water service pipe 1‴ to any point of consumption, as well understood in the art. The other leg (the smaller one) of the T 8 is fitted with a cock or valve V for draining the tank when the same is being flushed.

In the present embodiment of my invention the staff 7 with its base 6 are of a standard length so that the height at which the base S and staff and its fitting support the boiler above the floor is fixed. I may however, employ the staff proper (without the base 6) as an extension for any length of one and one-quarter inch gas pipe by which range boilers are often supported. Thus in Fig. 7 I show my tripod or base S supporting a one and one-quarter inch gas pipe P. By cutting off the end 6 from the staff 7 of my support, I can insert the staff 7 (which by the way is of a dimension as to freely pass into the bore of a one and one-quarter inch pipe) into the upper end of the pipe P, opposing ribs of the staff being provided with outwardly projecting shoulders or offsets *t* at the top (substantially even with the peripheral walls of the horizontal legs of the fitting 8) for engaging the upper edge of the pipe and thereby limiting further movement of the staff into the pipe. Thus, under my improvement, the staff 7 with its enlarged base or end 6 and shoulders *t* may be employed in connection with my tripod or any equivalent base in which the socket receives the enlarged end 6 of the staff 7 and the ledge 5 directly supports the same; or,

by cutting off the base 6 of the staff, the latter may be inserted into the ordinary standard gas pipe P and connected up to the boiler. I do not, of course, wish to be limited to the precise form or cross-section of staff, as these may be readily departed from without affecting the nature or spirit of the invention. The shoulders *t* as will be observed, are at right angles to the common axis of the horizontal legs of the T fitting 8 whereby the latter is supported on the end of the pipe P not only by said shoulders, but by the said legs as well.

Having described my invention, what I claim is:

1. As an article of manufacture, a fixture for range boilers comprising a staff terminating at the bottom in an enlarged portion severable from the staff, and terminating at the top in an inverted T for connection to the boiler.

2. In a boiler stand, a fixture comprising a staff insertible into a standard gas pipe usually employed for supporting kitchen-range boilers, an enlarged base terminating said staff and severable therefrom to permit of the insertion thereof into said gas pipe, said enlarged portion being receivable by a suitable socket of a conventional supporting member, the upper end of the staff terminating in an inverted T fitting for connection to a boiler, and suitable shoulders formed on the staff at points adjacent the horizontal legs of said fitting and disposed transversely to the common axis of said legs.

3. In a kitchen-range boiler stand, a fixture comprising a longitudinally ribbed staff of a dimension insertible into a standard gas pipe, said staff terminating at one end in an enlarged base, an inverted T fitting integral therewith terminating the upper end of said staff, the vertical leg of the fitting being securable to the bottom of the boiler, and suitable outwardly projecting shoulders at the upper terminals of the ribs at points adjacent the horizontal legs of the fitting.

In testimony whereof I affix my signature, in presence of two witnesses.

CHARLES H. FOSTER.

Witnesses:
EMIL STAREK,
ELSE M. SIEGEL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."