(No Model.)

# F. V. WINTERS.

## STAND FOR STAND BOILERS.

No. 600,903. Patented Mar. 22, 1898.

Fig. 1.

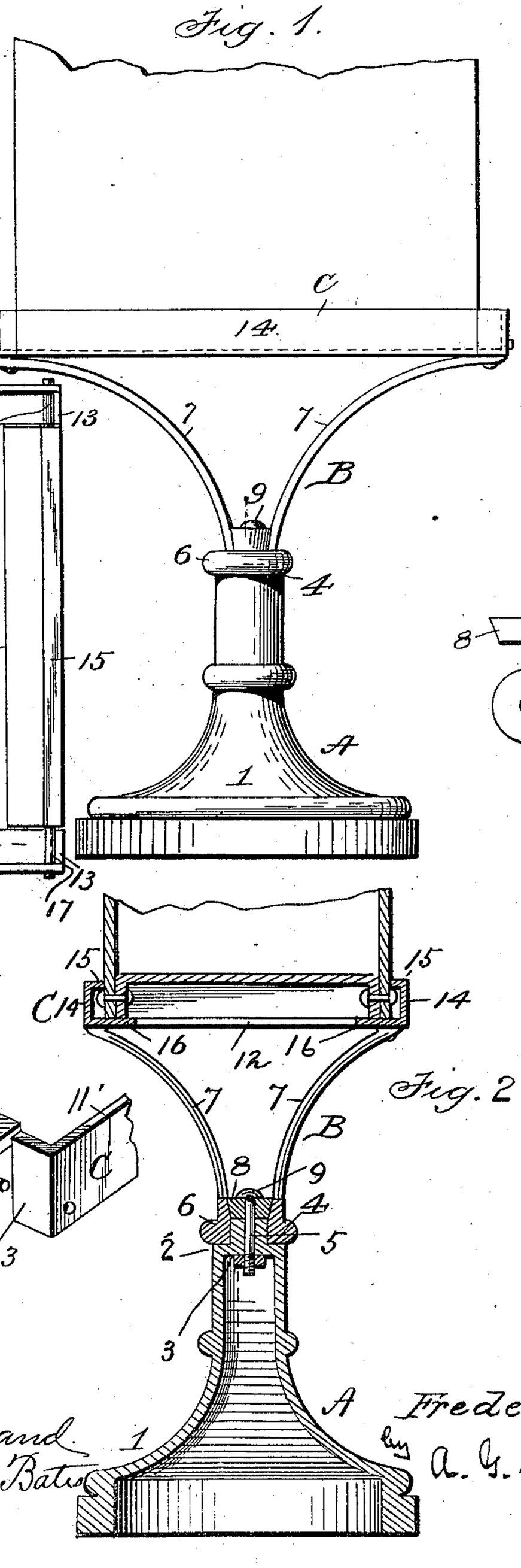


Fig. 4.

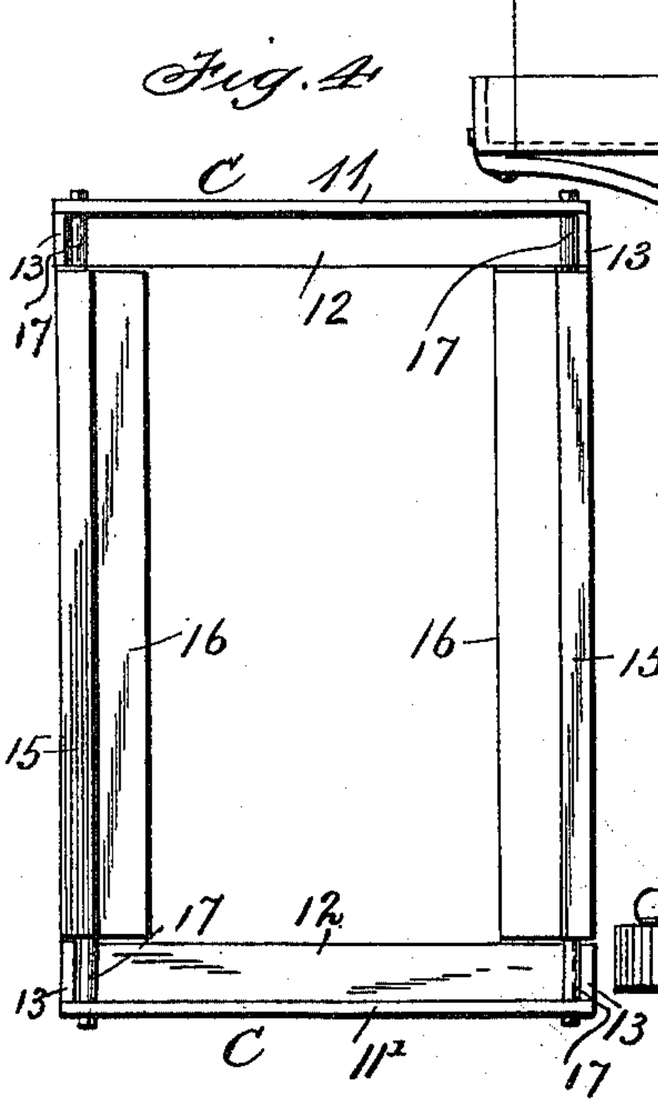


Fig. 5.




Fig. 3.

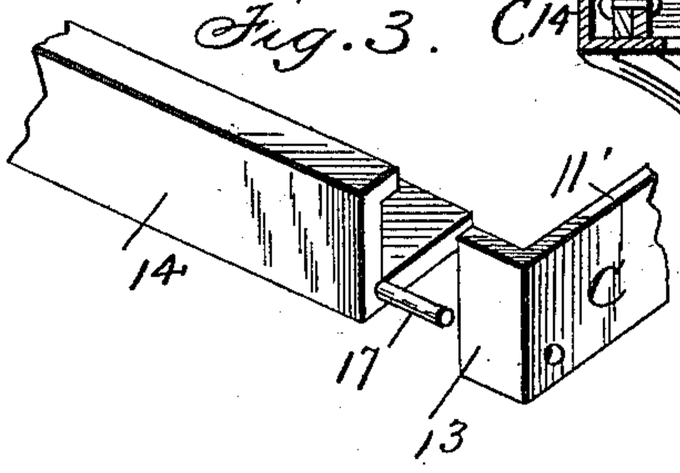


Fig. 2




Witnesses
Franck L. Ourand.
William H. Bates

Inventor
Frederick V. Winters
by A. G. Heyfmann.
Attorney

# UNITED STATES PATENT OFFICE.

FREDERICK V. WINTERS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOHN A. YORK, OF SAME PLACE.

## STAND FOR STAND-BOILERS.

SPECIFICATION forming part of Letters Patent No. 600,903, dated March 22, 1898.

Application filed June 4, 1897. Serial No. 639,412. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK V. WINTERS, a citizen of the United States of America, residing at New York city, in the State of New York, have invented a new and useful Stand for Stand-Boilers, of which the following is a specification.

This invention has relation to improvements in stands for stand-boilers which are rectangular in cross-section; and the object is to provide a device of the kind named and for the purposes intended which is simple and strong in construction and which being set up will securely hold a stand-boiler in position.

I accomplish the purposes of the invention by the means and constructions illustrated in the accompanying drawings, wherein—

Figure 1 is a side view of the stand or pedestal complete. Fig. 2 is a transverse central vertical section through the pedestal and supporting-frame. Fig. 3 is a detail perspective of the connections of the angle-irons of the frame. Fig. 4 is a plan view of the boiler-frame. Fig. 5 illustrates a plan and edge view of the jam-nut.

Referring to the drawings, A designates the pedestal, cast of suitable metal and made of any suitable shape to serve the purposes of its use. I have illustrated it as composed of a hollow casting consisting of a conical base 1, from the apex of which rises a pedestal 2, having a closed upper end 3, at the base of which is formed an annular shoulder 4, on which the base-ring of the supporting-frame lodges and is held, substantially as shown in the drawings. In the end piece 3 is made a central vertical bolt-aperture 5 to receive the clamping-bolt.

B designates the supporting-frame, comprising a base-ring 6, the aperture of which fits down around the upper end of the pedestal and lodges on the annular shoulder 4, formed therein. In the base-ring 6 are rigidly secured by any suitable means four upwardly-directed and outwardly-curved bars 7, preferably of angle-iron, the upper ends of which are rigidly fastened to the ends of the end pieces of the boiler-frame, substantially as indicated in the drawings. The base-ring 6 is of a height to bring its upper edge flush and level with the face of the end of the pedestal, as shown in Fig. 2 of the drawings, and the arch or curve of the supporting-bars, adjacent to their base, is but slightly spread or deflected, so as to stand nearly vertical for a short distance from the base and so that the jam-nut 8 can be forced down between the arms of the frame. The jam-nut 8 is circular in cross-section and tapers downward, so that it will wedge in between and against the four arms 7 of the supporting-frame and tend to spread them and brace them to hold the frame rigid to the pedestal and against swaying or other movement by the weight or other action of the boiler. The clamping-bolt 9 is disposed through the jam-nut and projected through the bolt-aperture in the end of the stem of the pedestal and is clamped by means of a nut 10 on the projecting end, as shown in Fig. 2 of the drawings.

C designates the boiler-supporting frame, composed of end pieces 11 11′, consisting of suitable metal plates formed with inturned bottom flanges 12, on which the boiler rests, and have their ends turned at right angles, as at 13, forming corner-pieces, which lie contiguous or against the sides of the boiler. The end pieces 11 11′ are secured rigidly to the upper ends of the supporting-arms, and the main weight of the boiler is sustained by them.

14 14 designate the side pieces of the supporting-frame, composed of suitable metal strips or plates formed with the narrow inturned flanges 15 along their upper edges and broader inturned bottom flanges 16 at right angles to the plates, on which the bottom of the boiler engages or impacts. Secured to and horizontally projected from the ends of the side pieces 14 are trunnions 17, which are arranged in suitable bearings in the corners of the end pieces of the frame, so that the side pieces may be turned back and outward on the trunnions to provide for convenient seating or placing of the boiler and so that when the boiler is seated it will bear down on the bottom flanges of the side pieces and cause the upper edge flanges to bear against the sides of the boiler above the line of rivets, and thus clamp it in the frame.

The uses and operation of the respective elements of the device have been specified in

the description. They are here collated and rehearsed, as follows: The supporting-frame is arranged on the pedestal and the jam-nut clamped down until the frame is given the required rigidity. The boiler is then lifted into the frame, while the side pieces are turned outward, and then on lowering the boiler into its seat the side pieces of the supporting-frame are turned to vertical position, with the upper edge flanges bearing and clamping against the sides of the boiler.

What I claim is—

1. A stand for stand-boilers, comprising a suitably-supported rectangular frame, composed of rigid end pieces having inturned bottom flanges, and side pieces formed with inturned bottom flanges and journaled to the end pieces so that when the boiler is disposed on the flanges the upturned sides of the side pieces will turn inward and lodge against the boiler.

2. A stand for stand-boilers, comprising a suitably-supported rectangular frame, composed of rigid end pieces having inturned bottom flanges, and side pieces formed with narrow inturned edge flanges along their upper edges and inturned broader bottom flanges, and so journaled to the end pieces that when a boiler is placed on the inturned bottom flanges the side pieces will turn inward and against the sides of the boiler.

In witness whereof I have hereto set my hand in the presence of two attesting witnesses.

FREDERICK V. WINTERS.

Attest:

A. G. HEYLMUN,

HARRY Y. DAVIS.