

No. 860,063.

PATENTED JULY 16, 1907.

B. H. SANDERS.
BOILER STAND.

APPLICATION FILED DEC. 4, 1906.

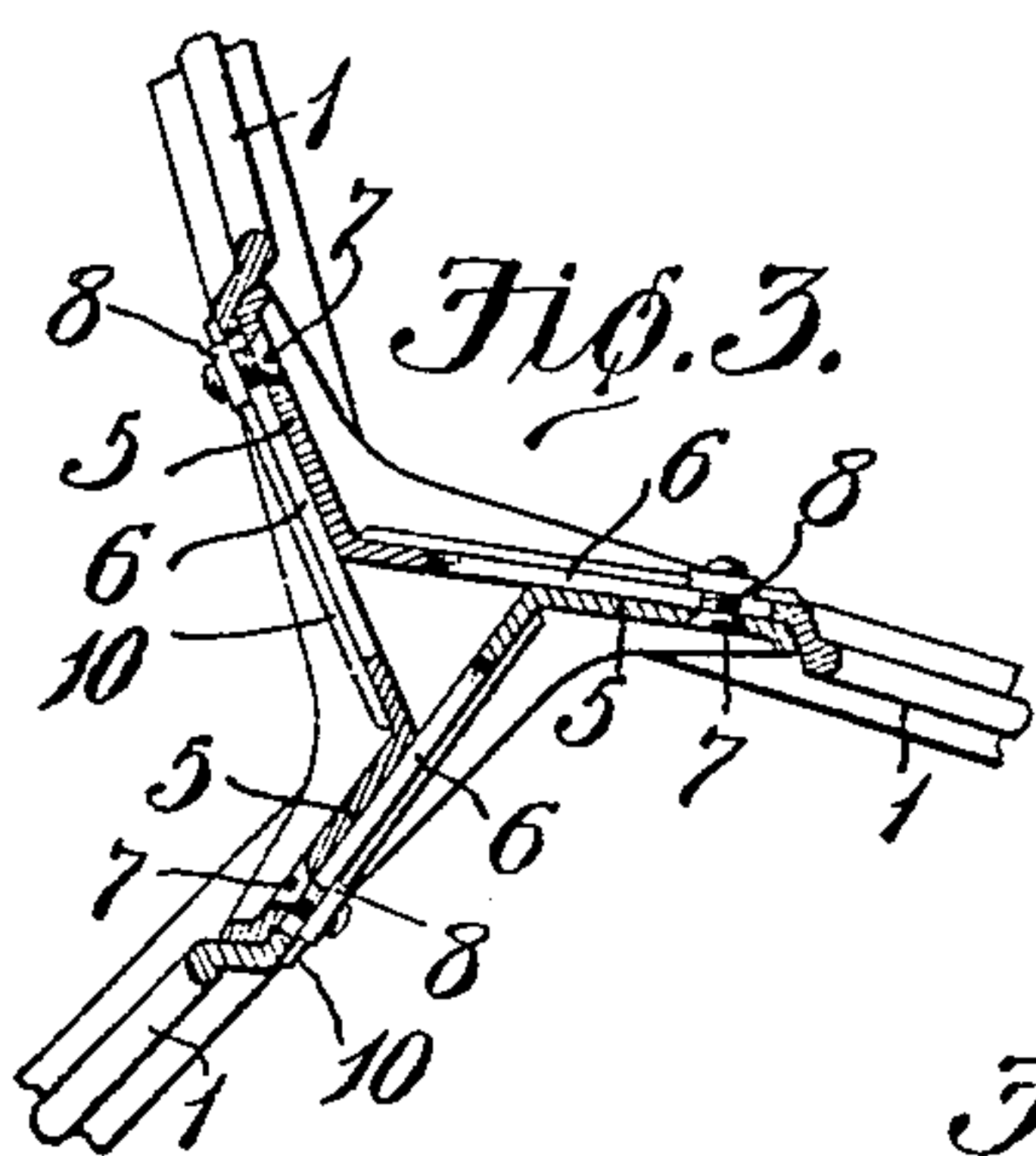
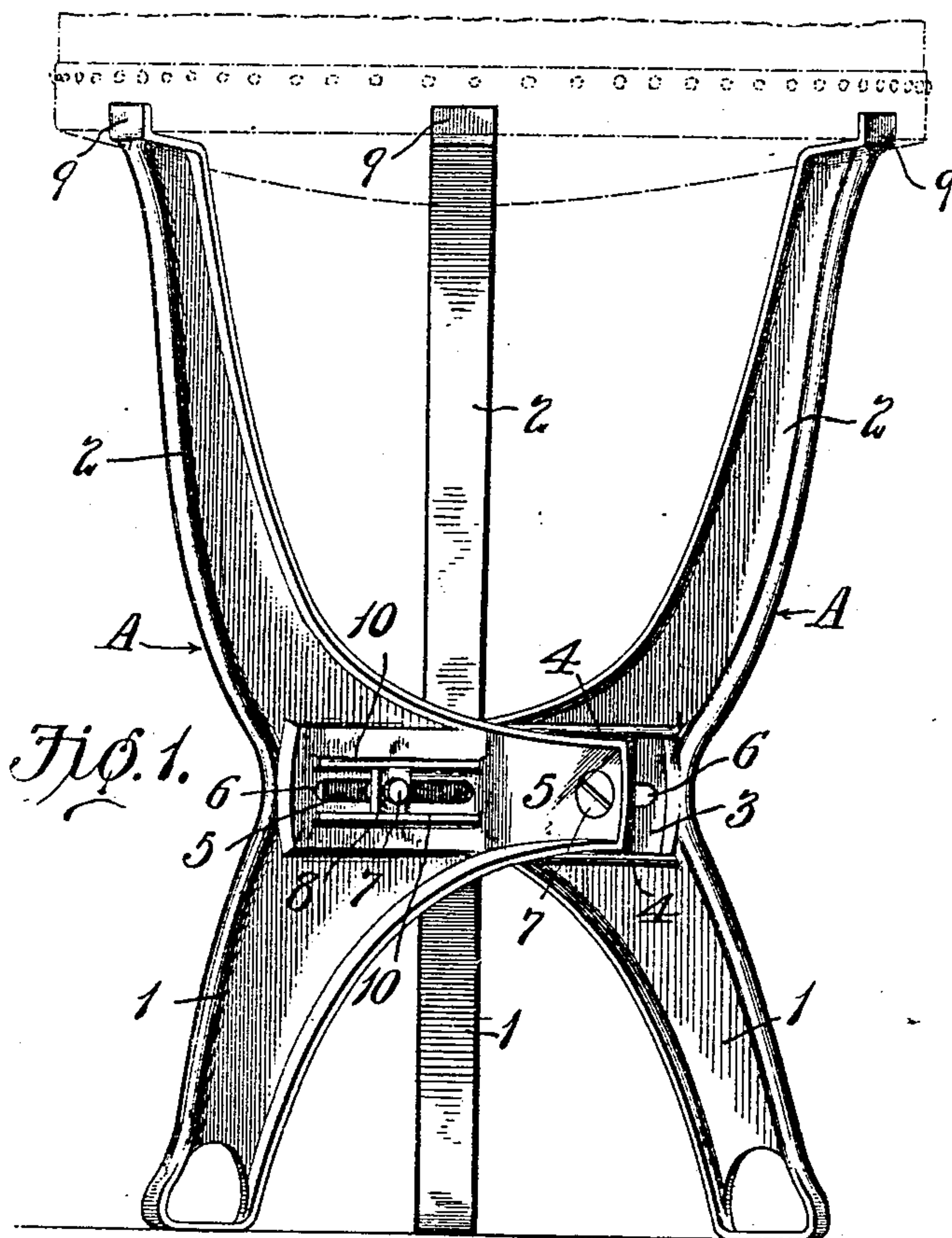
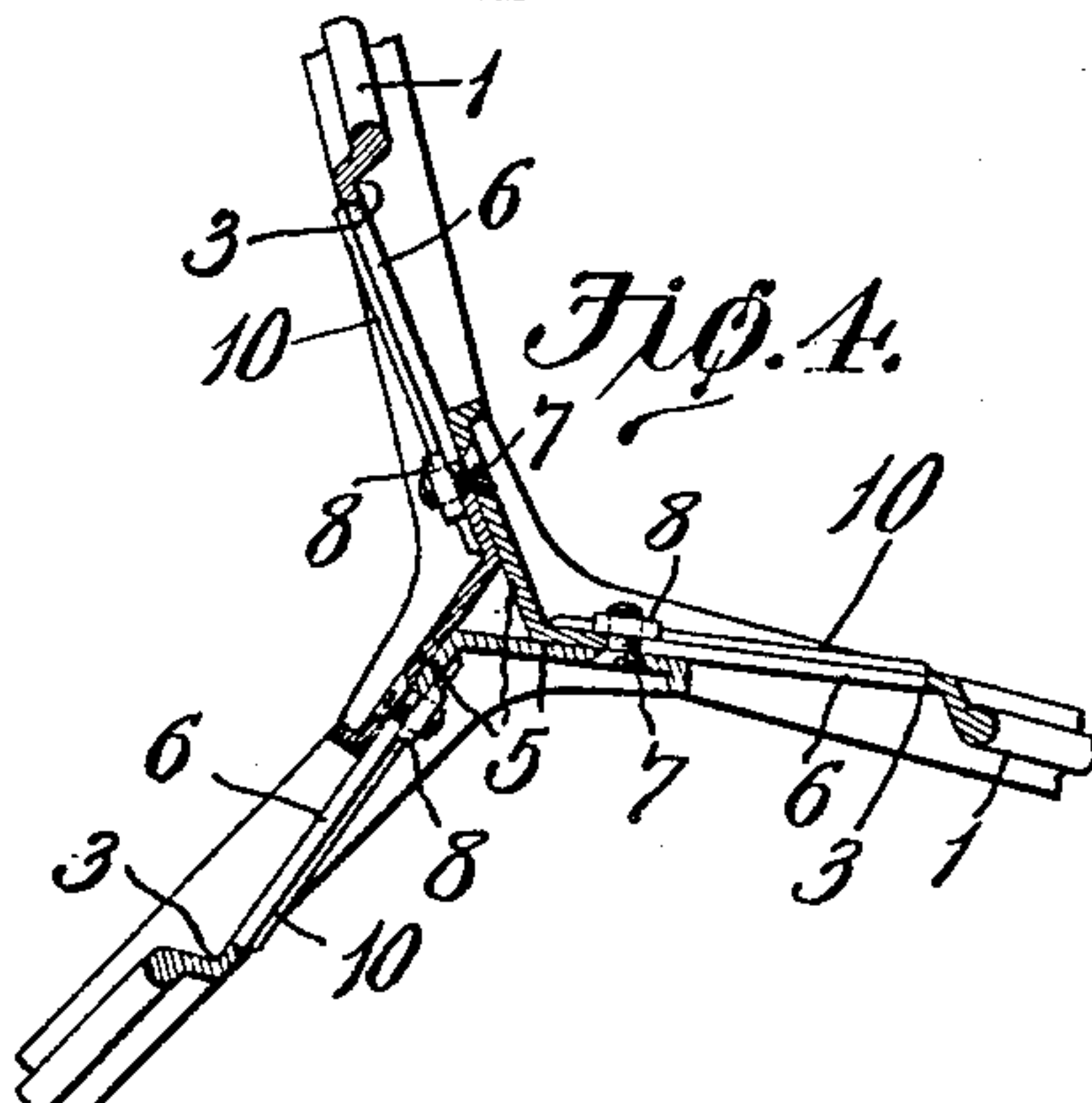


Fig. 2.



Witnesses:
Geo. R. Ladson.
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By Bakerwell Cornwell Attys.

UNITED STATES PATENT OFFICE.

BARNEY H. SANDERS, OF ST. LOUIS, MISSOURI.

BOILER-STAND.

No. 860,063.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed December 4, 1906. Serial No. 346,296.

To all whom it may concern:

Be it known that I, BARNEY H. SANDERS, a citizen of the United States, residing at St. Louis, Missouri, have invented a certain new and useful Improvement in Boiler-Stands, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation of a boiler stand constructed in accordance with my invention; Fig. 2 is a plan view of said stand; Fig. 3 is a cross sectional view taken just above the middle of the stand showing the members which comprise the stand, adjusted to support a large size boiler; and Fig. 4 is a similar view showing the members adjusted to support a small boiler.

This invention relates to stands for supporting upright boilers or hot water reservoirs such as are used for domestic purposes.

The object of my invention is to provide a stand consisting of a plurality of members of uniform shape and size adjustably connected together, thereby enabling the stand to be used for supporting boilers of different size.

Referring to the drawings which represent the preferred form of my invention, A designates the members which comprise the stand. Each of said members comprises a leg 1, an upwardly projecting portion 2 and a central web portion through which fastening devices extend to connect the members together. Preferably, three of said members A are used to form the stand and all of said members are of uniform shape and size, thereby enabling the members to be assembled to form the stand without losing any time in matching up the parts as would occur if one or more of said members were of different shape. Furthermore, by making all of said members of the same shape and size I am able to use one standard pattern in the manufacture of same and can also pack them in less space for shipment due to the fact that I can nest them together.

The web portion of each member is provided with a rectangular-shaped recess 3, thus producing two parallel shoulders 4, and with a laterally extending arm 5 or extension which fits into the recess in the web of the adjacent member and bears against the shoulders 4 thereof when the members are assembled so as to produce a very strong and rigid construction.

The central web portion of each member is provided with a longitudinally extending slot 6 which is parallel to the shoulders 4 thereon, and mounted in the laterally extending arm 5 of each member is a fastening device 7 which projects through the slot 6 in the adjacent member. I have herein shown these fast-

ing devices as consisting of bolts 7 and nuts 8 but it will of course be understood that other kinds of fastening devices could be employed without departing from the spirit of my invention, and if desired, the web portion could be provided with a plurality of bolt holes instead of an elongated slot. As the arm 5 on each member is in sliding engagement with the shoulders 4 on the member adjacent thereto, it will be obvious that by loosening the fastening devices the members A can be moved toward and away from each other to vary the distance between the upper ends of said members on which the boiler rests, thereby enabling the stand to be adjusted to support boilers of different diameters, Fig. 3 showing the members adjusted to support a large boiler and Fig. 4 showing them adjusted to support a small boiler. Preferably, each member is provided at its upper end with an upwardly projecting flange 9 that engages the outer surface of the boiler, as shown in Fig. 1. I also prefer to provide each member on its central web portion with parallel ribs 10 between which the nuts of the fastening devices are arranged, as shown in Fig. 1, so as to prevent said nuts from turning, the head of each bolt being provided with a slot to receive a screw-driver or other implement by which the bolt can be screwed into the nut.

From the foregoing description it will be seen that I have produced a boiler stand which can be adjusted to fit boilers of different sizes by simply loosening the fastening devices and sliding the members A relatively to each other, and as all of the members A have an extended bearing engagement with each other at approximately their central portions a very rigid stand is produced. Furthermore, as the stand consists of only a few parts which are of uniform shape and size it can be manufactured at a low cost.

While I have herein illustrated the laterally projecting arms of the members A as being provided with fastening devices and the web portions of said members as being provided with elongated slots it will, of course, be understood that the fastening devices could be mounted in the webs of said members and the laterally projecting arms be provided with elongated slots.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A boiler-stand consisting of a plurality of cast members adjustably connected together, each of said members being provided intermediate its ends with an integral laterally projecting arm, shoulders on said arms that are in sliding engagement with the arm on an adjacent member when said members are assembled, and means for securing said members together; substantially as described.

2. A boiler-stand consisting of a plurality of cast members adjustably connected together and each having a web portion and an integral arm projecting laterally from said web portion, shoulders on the opposite sides of said web portions to those from which the arms project, said

shoulders being in sliding engagement with the arms of adjacent members when said members are assembled, and means for clamping the arm of each member to the web portion of the adjacent member; substantially as described.

5 3. A boiler-stand composed of a plurality of cast members adjustably connected together, each of said members having a vertically disposed web, shoulders on said web, an integral vertically disposed arm projecting laterally from said web and being in sliding engagement with shoulders on
10 the web portion of an adjacent member when said members are assembled, and fastening devices passing through said webs and arms to connect said members together; substantially as described.

15 4. A boiler-stand consisting of a plurality of members of the same shape and size, each of which is provided with a central web portion having a horizontal slot, a recess formed in one face of said web portion, an arm projecting laterally at an obtuse angle from said web portion and being in sliding engagement with the recess in an adjacent
20 member when said members are assembled, bolts mounted in said arms which project through said slots, and nuts

on said bolts to clamp said members together, the web portion of each member having ribs that cooperate with said nuts to prevent them from turning; substantially as described.

25 5. A boiler-stand consisting of a plurality of members adjustably connected together and each being provided intermediate its ends with an integral laterally projecting part and with a bearing face that is adapted to be engaged by the laterally projecting part of an adjacent
30 member when said members are assembled, one part of each member having an elongated slot, and a fastening device carried by the other part of said member and projecting into the elongated slot in the cooperating part of the member adjacent thereto; substantially as described. 35

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this twenty eighth day of November 1906.

BARNEY H. SANDERS.

Witnesses:

WELLS L. CHURCH,
GEORGE BAKEWELL.