

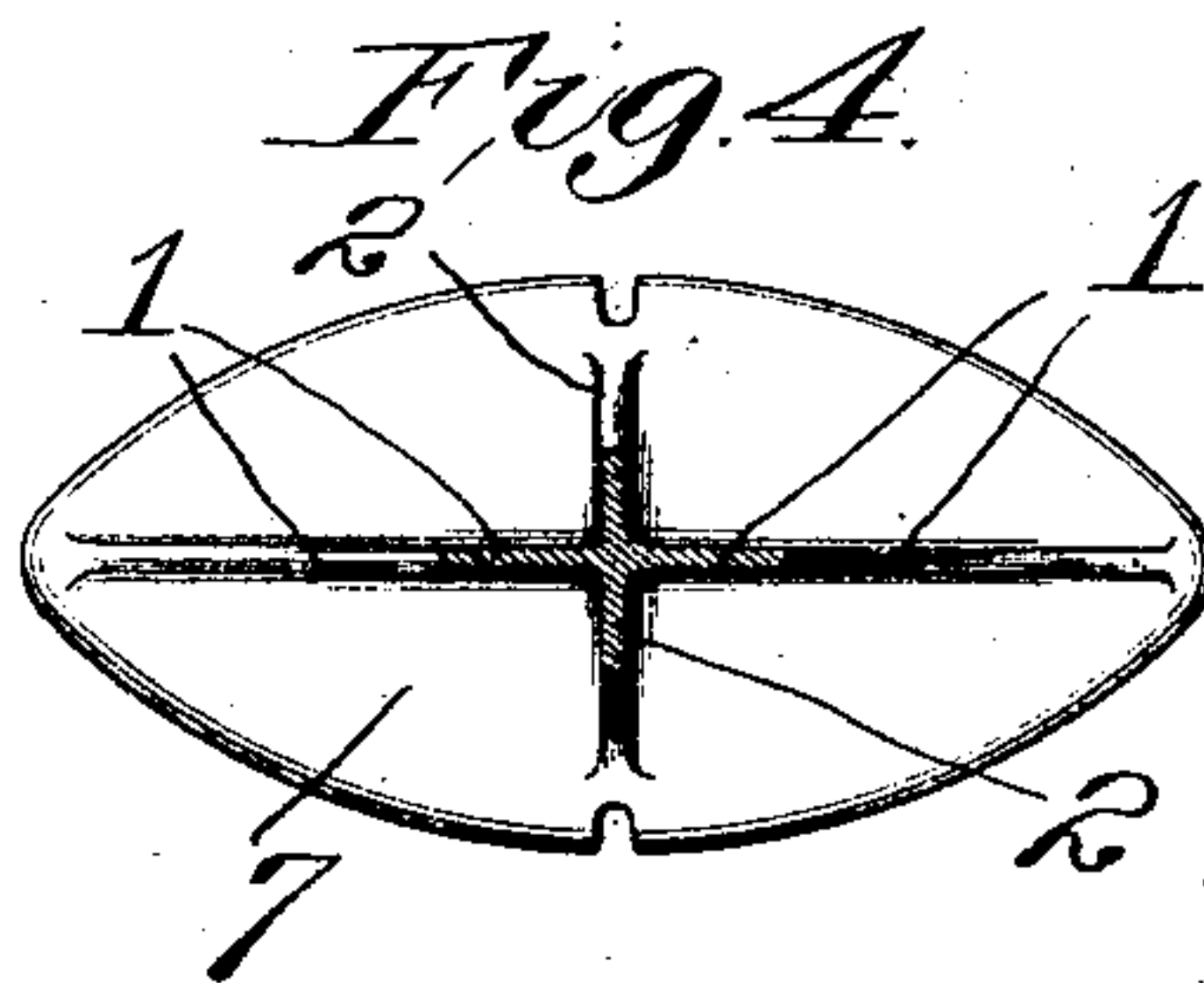
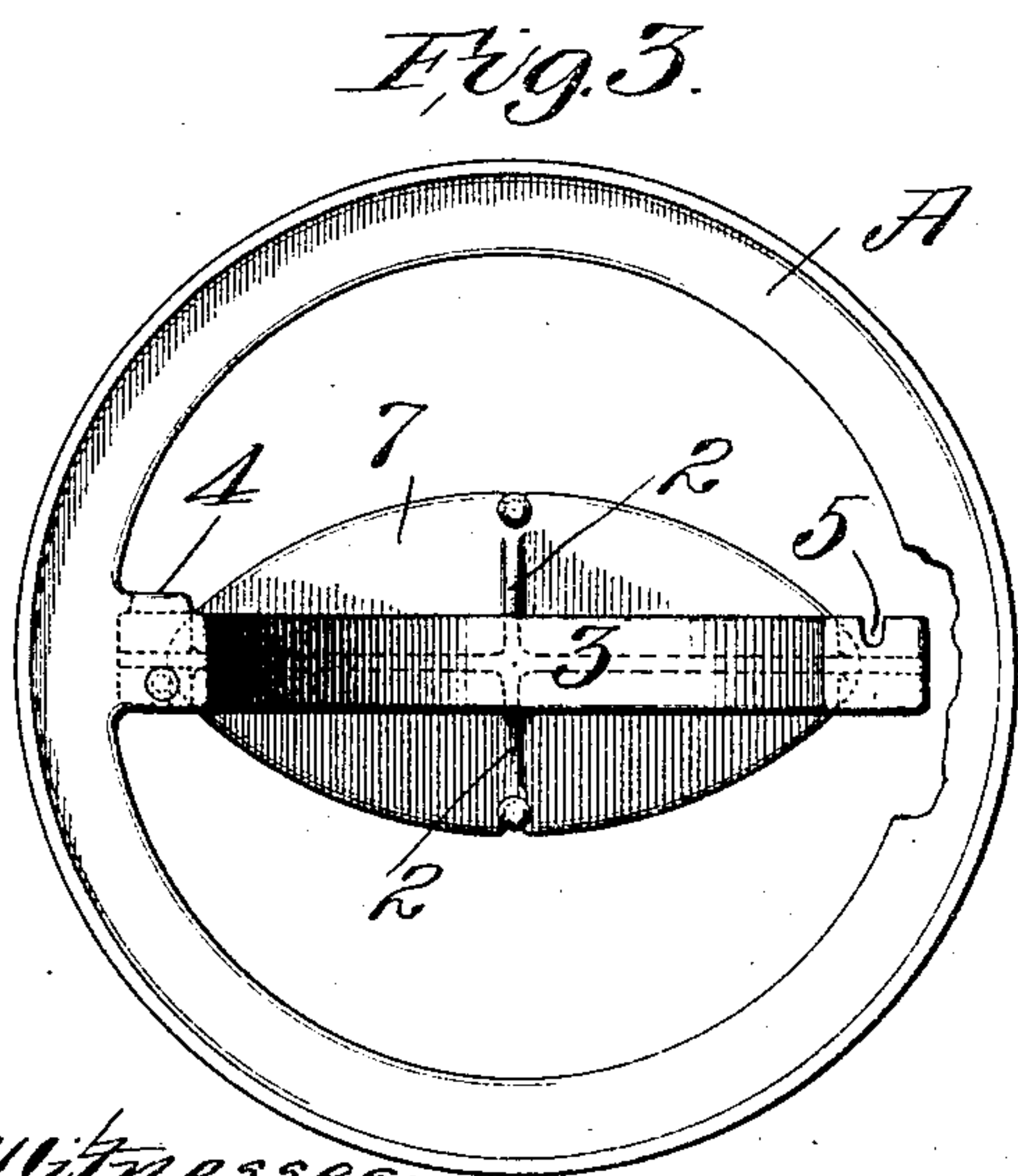
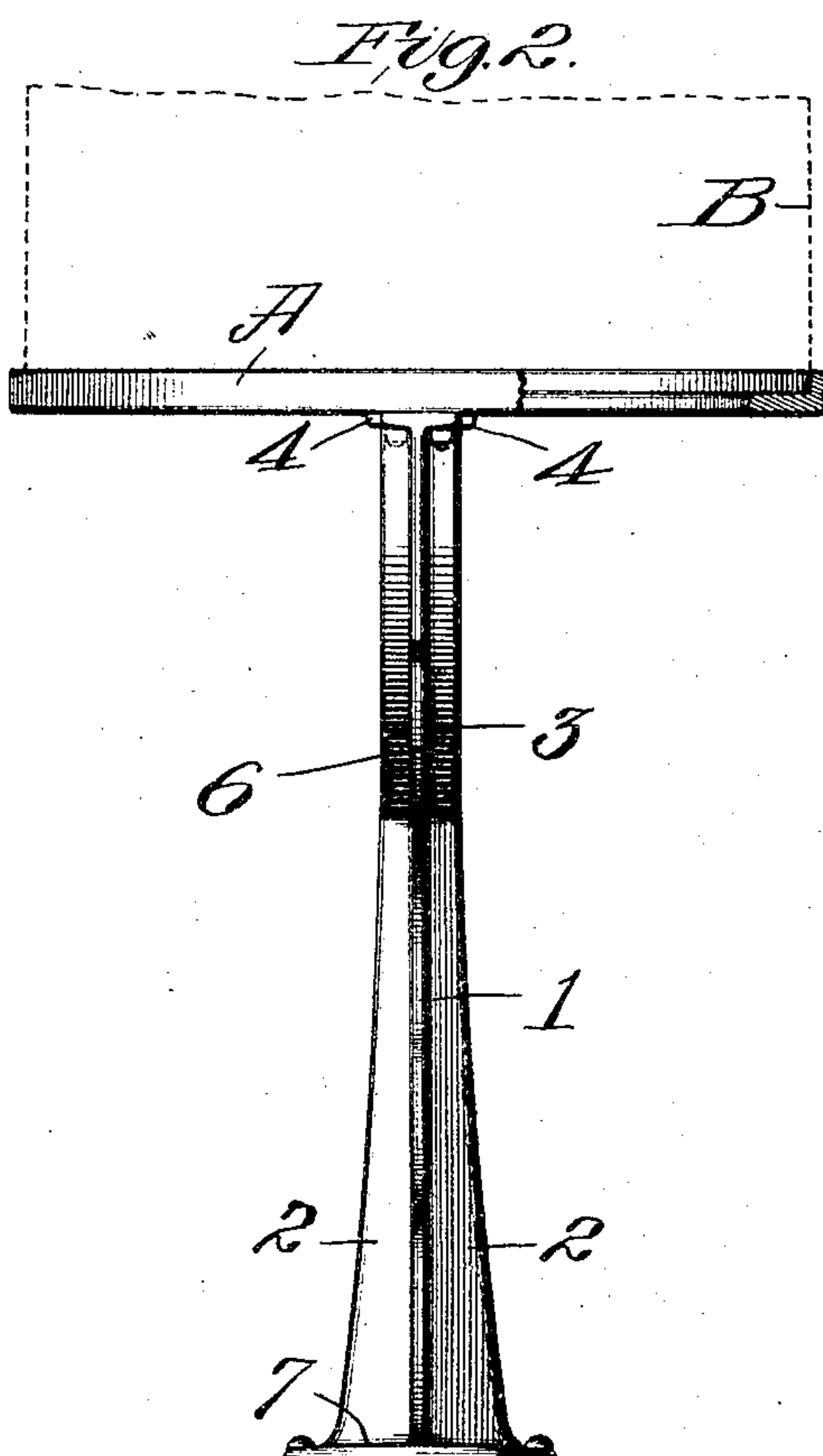
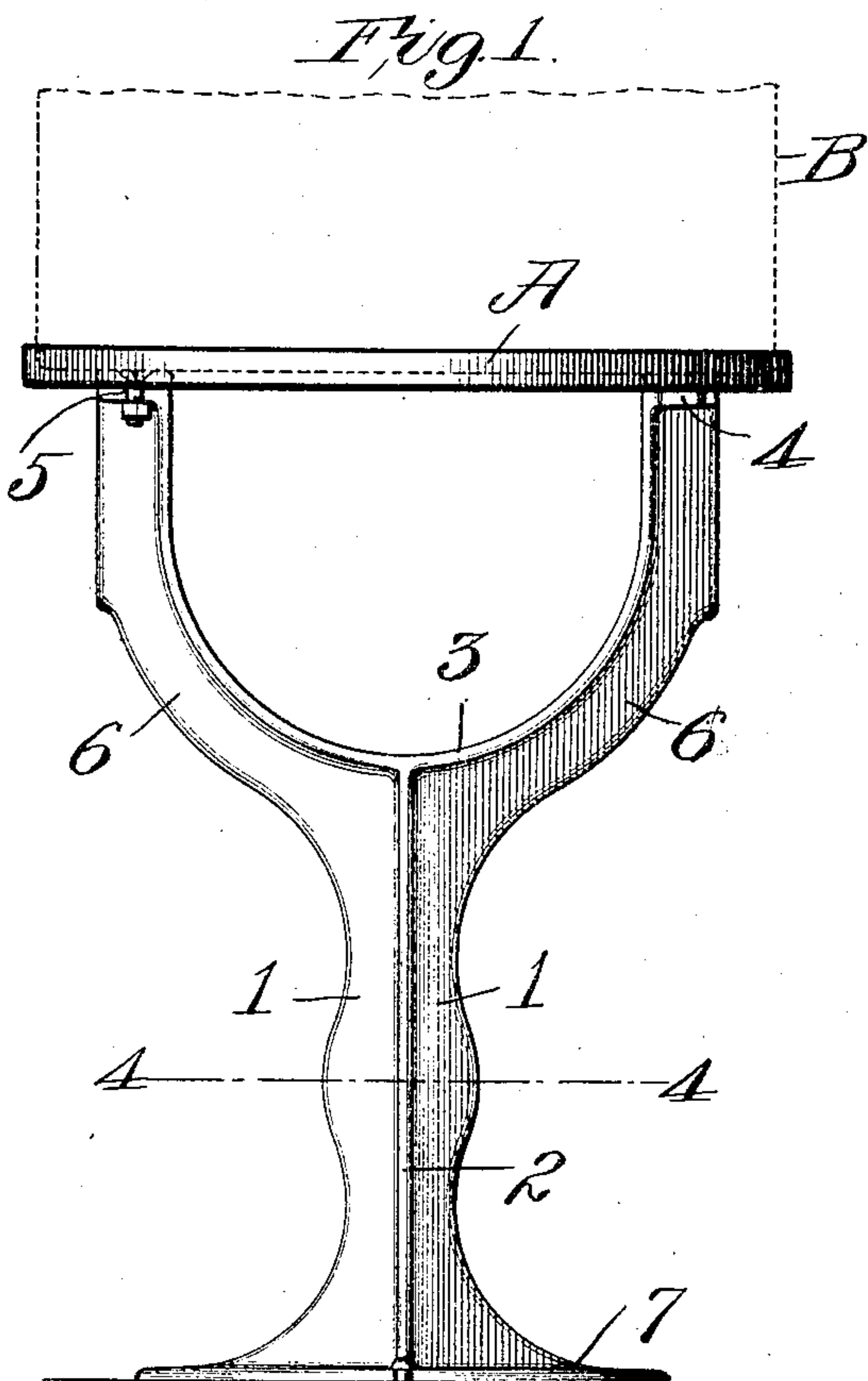
No. 773,555.

PATENTED NOV. 1, 1904.

C. G. ETTE.
BOILER STAND.

APPLICATION FILED JAN. 29, 1904.

NO MODEL.



Witnesses:

Wm. H. Scott
Giles D. Moore

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UNITED STATES PATENT OFFICE.

CHARLES G. ETTE, OF ST. LOUIS, MISSOURI.

BOILER-STAND.

SPECIFICATION forming part of Letters Patent No. 773,555, dated November 1, 1904.

Application filed January 29, 1904. Serial No. 191,188. (No model.)

To all whom it may concern:

Be it known that I, CHARLES G. ETTE, 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 a front elevation, the ring being shown in position on the stand and the boiler being indicated by dotted lines. Fig. 2 is a side elevation, a portion of the ring being broken away. Fig. 3 is a top plan view, a portion of the ring being broken away; and Fig. 4 is a sectional view on about the line 4 4 of Fig. 1.

This invention relates to improvements in boiler-stands—that is, stands employed for the purpose of supporting the well-known stand-boilers commonly connected to ranges.

My object is to provide a stand in a single piece, said stand being of such character that it is easily made, is light, and can be made of malleable iron.

To these ends and also to improve generally upon devices of the character indicated the invention consists in the various matters hereinafter described and claimed.

As heretofore commonly constructed boiler-stands have included a base member, a cylindrical pedestal carrying the supporting-arms, and a securing member provided with a head, said securing member passing through the cylindrical pedestal and bolting the pedestal and the base together. Such a stand requires the casting of three distinct parts, one of which necessitates corework, (which is always expensive,) is heavy, (thus costing a relatively large amount of money for freight,) and must be assembled before the boiler can be supported thereon.

Referring now more particularly to the drawings, A indicates the supporting-ring, which can be of any usual or desired construction, and B indicates the boiler. The present boiler-stand is a single casting and has a pedestal comprising what may be termed the

“lateral vertical” supporting-ribs 1 and the “front” and “rear” supporting-ribs 2, these lateral ribs being at substantially right angles to the front and rear ribs. The supporting-arms, which form a U, include a U-shaped web 3, whose central portion rests upon and is connected to the before-mentioned front and rear ribs 2, each of these arms having an outwardly-extending bearing-web 4, upon which the ring A is adapted to seat, each of said bearing-webs preferably having a slot 5 for the reception of a bolt, by means of which the ring A is clamped upon the stand. The web 3 of the arms projects beyond what may be termed the “front” and “rear” faces of the lateral ribs 1 of the pedestal, and ribs 6, extending from the under side of the said web 3 and in the transverse center of the latter, merge into the respective pedestal-ribs 1 and are respectively connected to the supporting-webs 4. The pedestal-ribs 1 and 2 diverge outwardly at their lower ends in order to form strong bearings and distribute the strain, and preferably, although not essentially, these pedestal-ribs 1 and 2 are connected to a flat base or foot-plate 7.

As will be readily apparent, the present stand can be very easily and cheaply cast in one piece, and the various ribs and webs and the base-plate being of substantially the same thickness the stand can be made of malleable iron, thus being practically indestructible. The present stand requires a very small amount of iron for its construction and is therefore extremely light, thus making the stand easy to handle and cheap to transport, the freight being little because of the light weight of the stand. The pedestal composed of the ribs 1 and 2 is strong and the supporting-arms are firmly braced. The entire stand being but a single casting, no assembling of the stand itself is necessary.

I am aware that minor changes in the construction, arrangement, and combination of the several parts of my device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. As a new article of manufacture, a boiler-
5 stand comprising a single casting having a pedestal composed of lateral ribs and front and rear ribs, said ribs flaring outwardly at their upper ends to produce supporting-feet, supporting-arms composed of a U-shaped web
10 above said ribs, said web projecting to the front and rear beyond said lateral ribs of said pedestal, and said front and rear ribs of said pedestal extending downwardly from substan-
tially the center of said U-shaped web, and
15 ribs upon the under side of said web and merging into said lateral ribs of said pedestal; substantially as described.

2. As a new article of manufacture, a boiler-
stand comprising a single casting having a
20 pedestal composed of lateral ribs and front and rear ribs, said ribs flaring outwardly at their lower ends to produce supporting-feet,

supporting-arms composed of a web above said ribs, said web projecting to the front and rear beyond said lateral ribs of said pedestal, and 25 said front and rear ribs of said pedestal extending downwardly from substantially the center of said web, a bearing-web extending outwardly from the upper end of each of said supporting-arms, a rib upon the under side 30 of each supporting-arm and extending from said bearing-web upon said arm and merging into the corresponding lateral rib of said pedestal, and a base-plate connecting said flaring supporting-feet of said pedestal-ribs and 35 into which said flaring feet merge; substantially as described.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 18th day of January, 1904.

CHARLES G. ETTE.

Witnesses:

EDW. P. KYLE,

WILLIAM B. POWER.