

(No Model.)

S. A. FISHER.
KETTLE.

No. 556,884.

Patented Mar. 24, 1896.

Fig. 1.

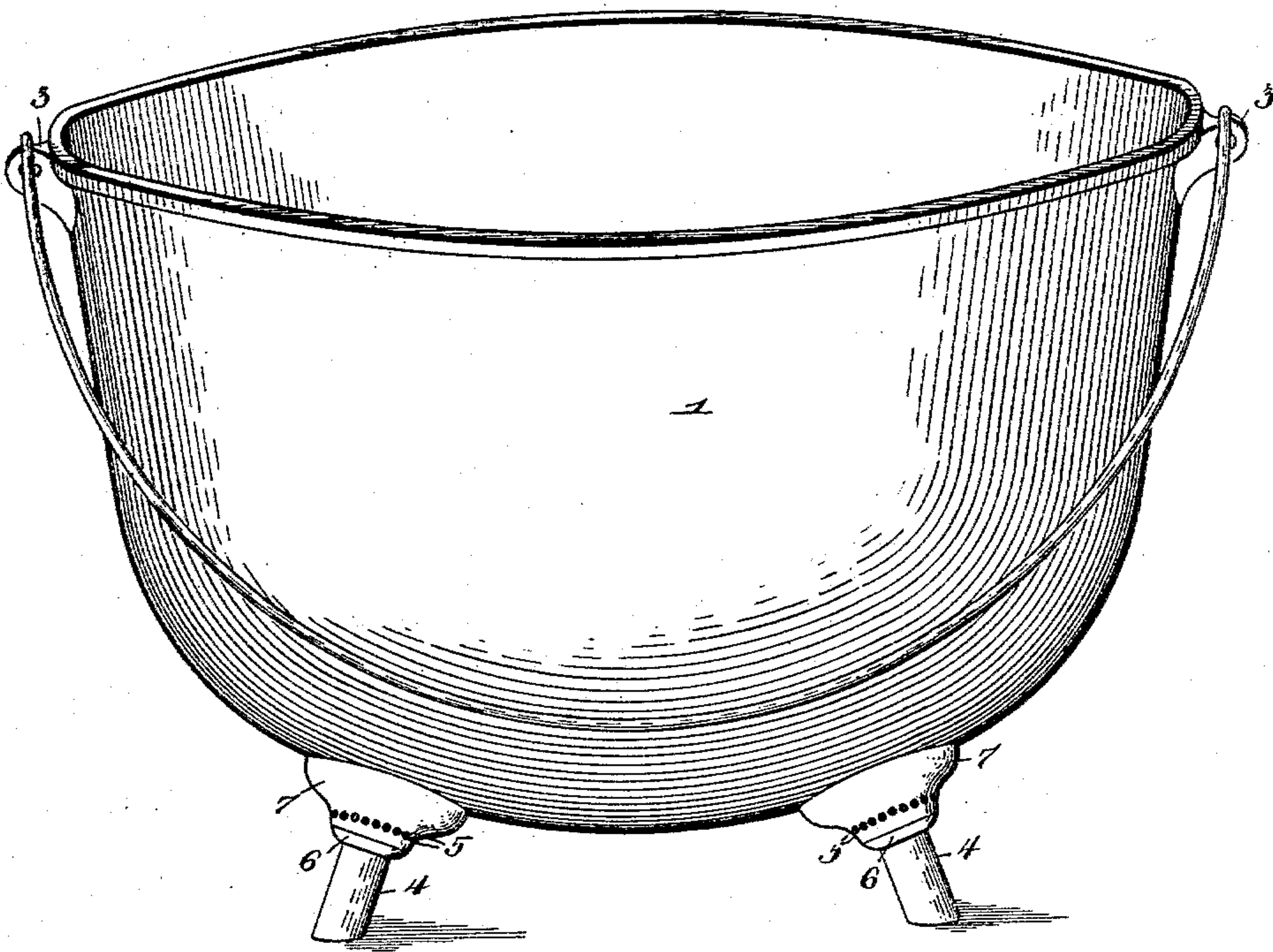


Fig. 3.

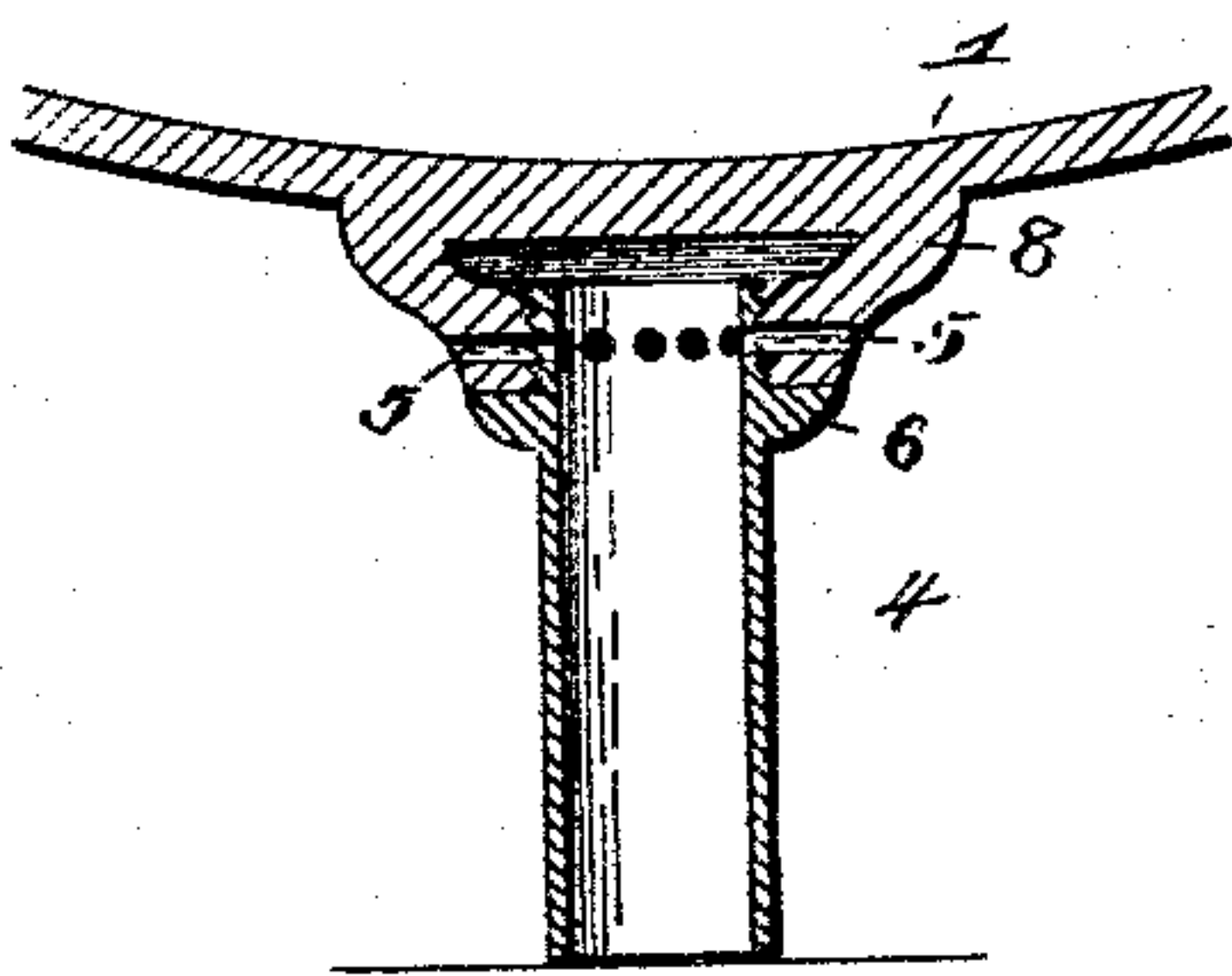
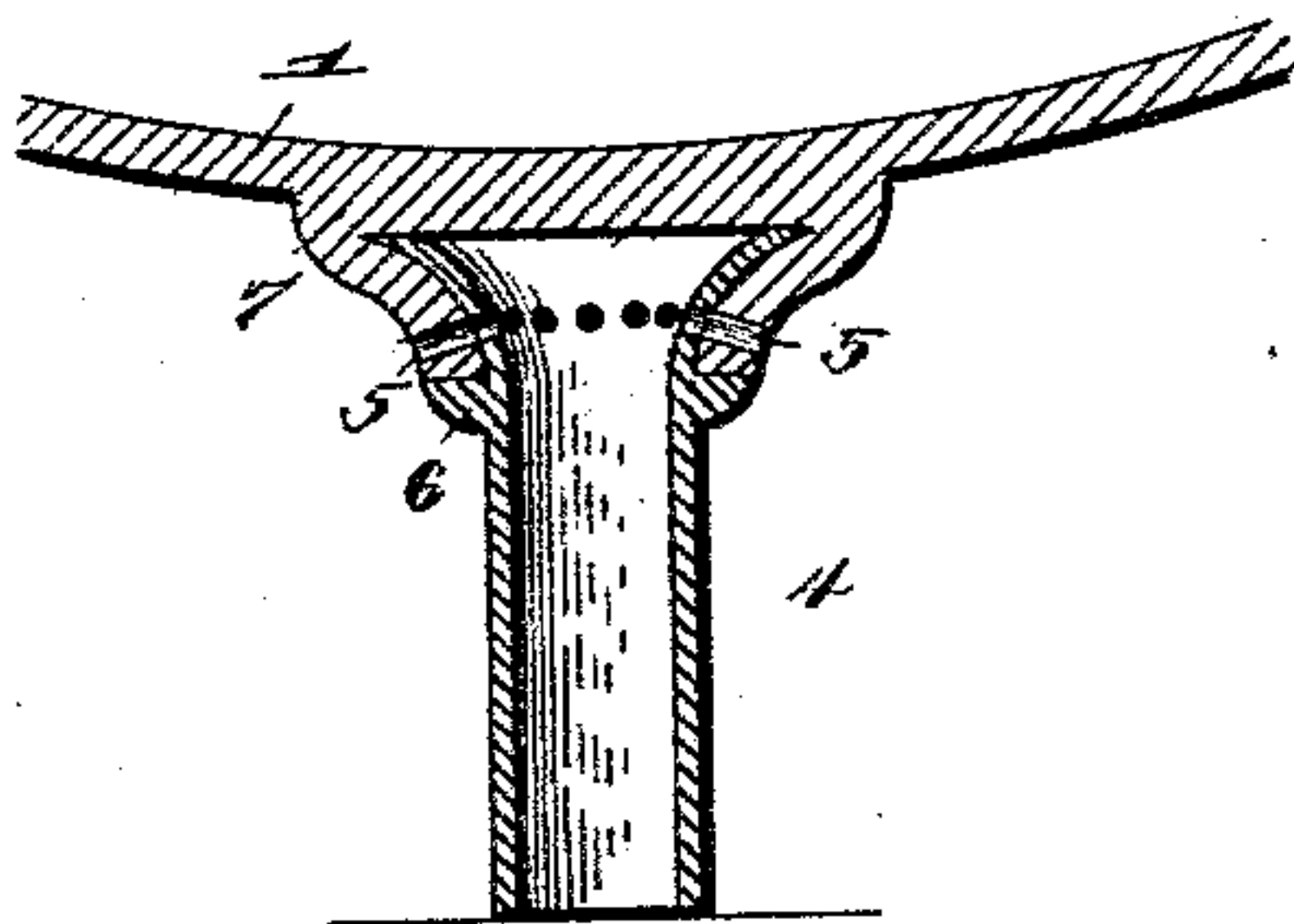


Fig. 2.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

SYLVANUS A. FISHER, OF GENESEO, ILLINOIS.

KETTLE.

SPECIFICATION forming part of Letters Patent No. 556,884, dated March 24, 1896.

Application filed February 23, 1895. Serial No. 539,408. (No model.)

To all whom it may concern:

Be it known that I, SYLVANUS A. FISHER, a citizen of the United States, residing at Geneseo, in the county of Henry and State of Illinois, have invented a new and useful Kettle, of which the following is a specification.

My invention relates to an improvement in pots or kettles; and the object of my invention is to provide a kettle of any ordinary form with hollow perforated feet or legs of wrought or malleable metal, whereby the heat may reach all portions of the bottom of the kettle and the liability of breaking the feet or legs of the kettle be obviated.

My invention consists in the combination, with a cast-iron pot or kettle, of perforated hollow feet or legs of wrought or malleable metal secured thereto in the process of casting or in any other convenient manner.

In the accompanying drawings, Figure 1 is a perspective view of a kettle embracing my improvement. Fig. 2 is a vertical section through the same, showing the preferred method of applying the wrought or malleable legs or feet.

Fig. 3 is a vertical section through a portion of the kettle, illustrating the manner in which the feet may be screwed into the threaded extensions on the bottom of the kettle.

Similar numerals of reference indicate corresponding parts in the figures of the drawings.

Referring to the drawings, 1 indicates a kettle of any ordinary or preferred form having a suitable bail 2 and lugs or ears 3 3 for the reception of said bail. 4 4 indicate a series of feet or legs projecting from the bottom of the kettle and located at convenient points. Each leg is made hollow or in a tubular form (indicated in Fig. 2) and is provided at or near its upper end contiguous to the bottom of the kettle with a number of perforations 5, as shown. The leg 4 is made of wrought or malleable iron for the purpose of giving greater strength and resistance thereto and for better adapting it to rough usage, transportation, &c., being much less liable to break than where it is formed integrally with the kettle and cast thereon, as in the usual manner.

At or near the upper end of the leg 4 a flange 6 extends around the same, and the upper portion of the leg, which contains the perforations 5 above referred to, is flared out or given a conical shape. The kettle 1 in the

process of casting is formed with lugs 7, which increase the thickness of the pot or kettle at this point, adapting them to receive the upper flared ends of the hollow perforated feet or legs 4.

The preferred method of uniting the legs 4 to the bottom of the kettle is to place said legs 4 in the sand or mold in which the main body portion of the kettle is to be cast. The legs 4 are inserted into the sand until the flange 6 is even or flush therewith. The molten metal entering the mold surrounds the upper flared ends of the legs 4, firmly binding them in place as the metal cools.

In Fig. 3 I have shown a modification in the manner of uniting the legs or feet 4 to the bottom of the kettle, which consists simply in screw-threading the upper ends of the legs or feet and screwing them into internally-threaded lugs 8 on the bottom of the kettle.

By the construction described the strength of the feet or legs is greatly increased and the bottom of the kettle exposed at all points to the action of the heat.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim is—

1. A pot or kettle having united thereto feet or legs of wrought or malleable metal made hollow and perforated, substantially in the manner and for the purpose described.

2. The combination with a pot or kettle, of a series of hollow perforated feet or legs, each provided with an enlarged or flaring upper end and united to the kettle in the process of casting, substantially as described.

3. The combination with a pot or kettle, having the perforated bottom lugs as described, of a series of hollow feet or legs provided with perforations in alignment with the perforations in the kettle-lugs, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

SYLVANUS A. FISHER.

Witnesses:

W. O. MISNER,
H. L. KINER.