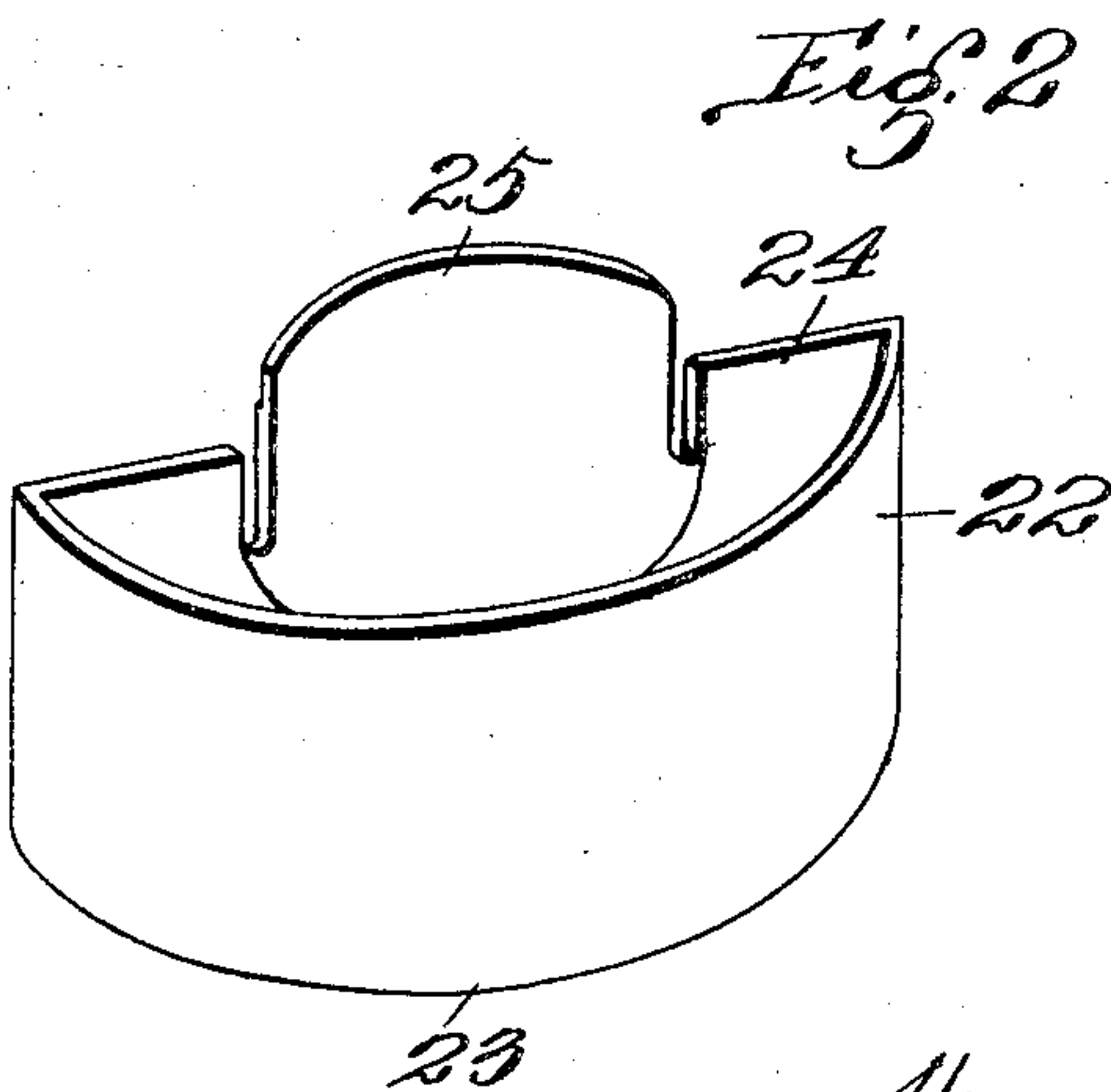
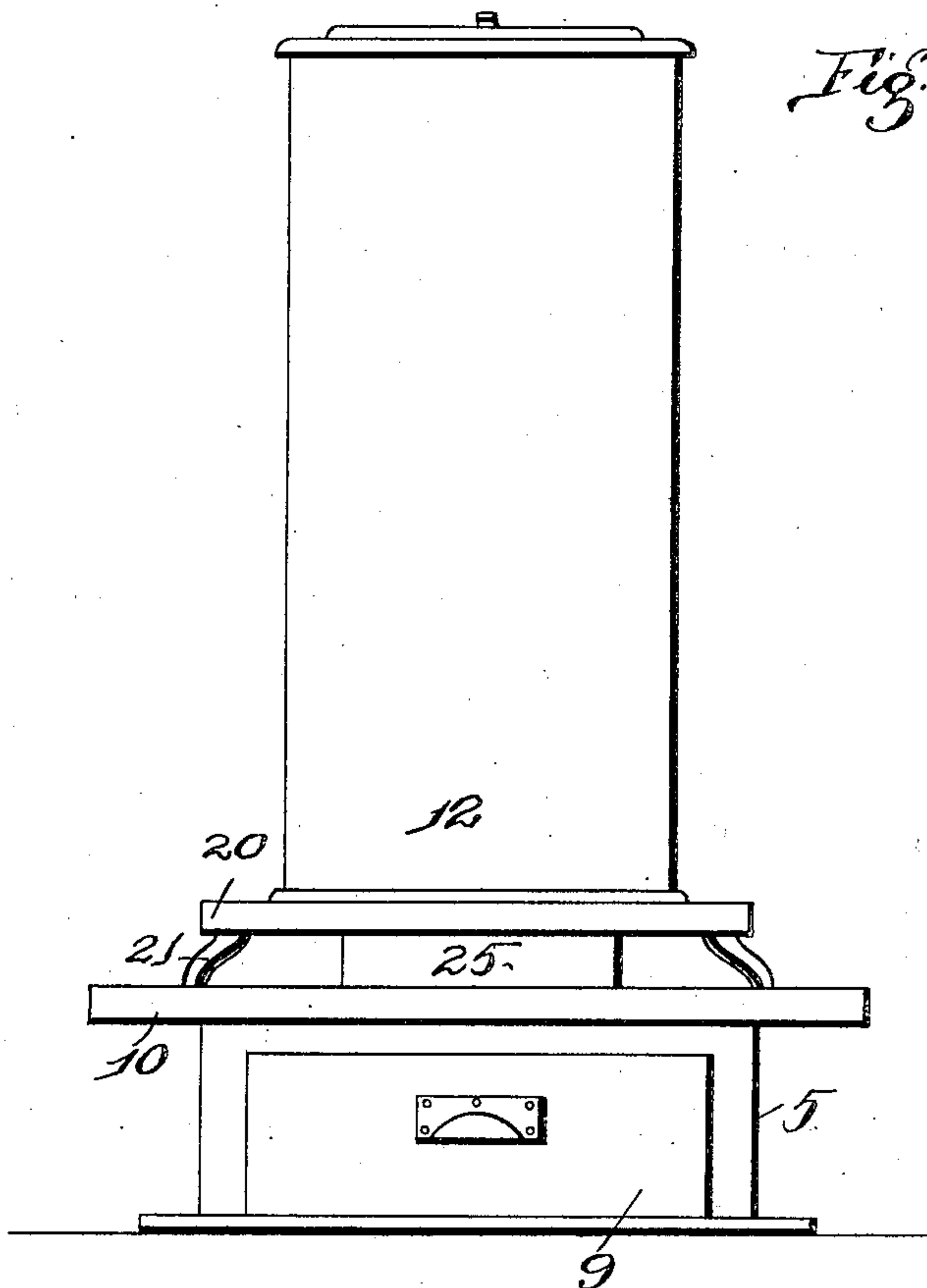


No. 898,065.

PATENTED SEPT. 8, 1908.

H. C. ROGERS.
BARREL HEATER.
APPLICATION FILED MAY 14, 1907.

2 SHEETS—SHEET 1.



WITNESSES

W. B. Stein

INVENTOR

Hiram C. Rogers

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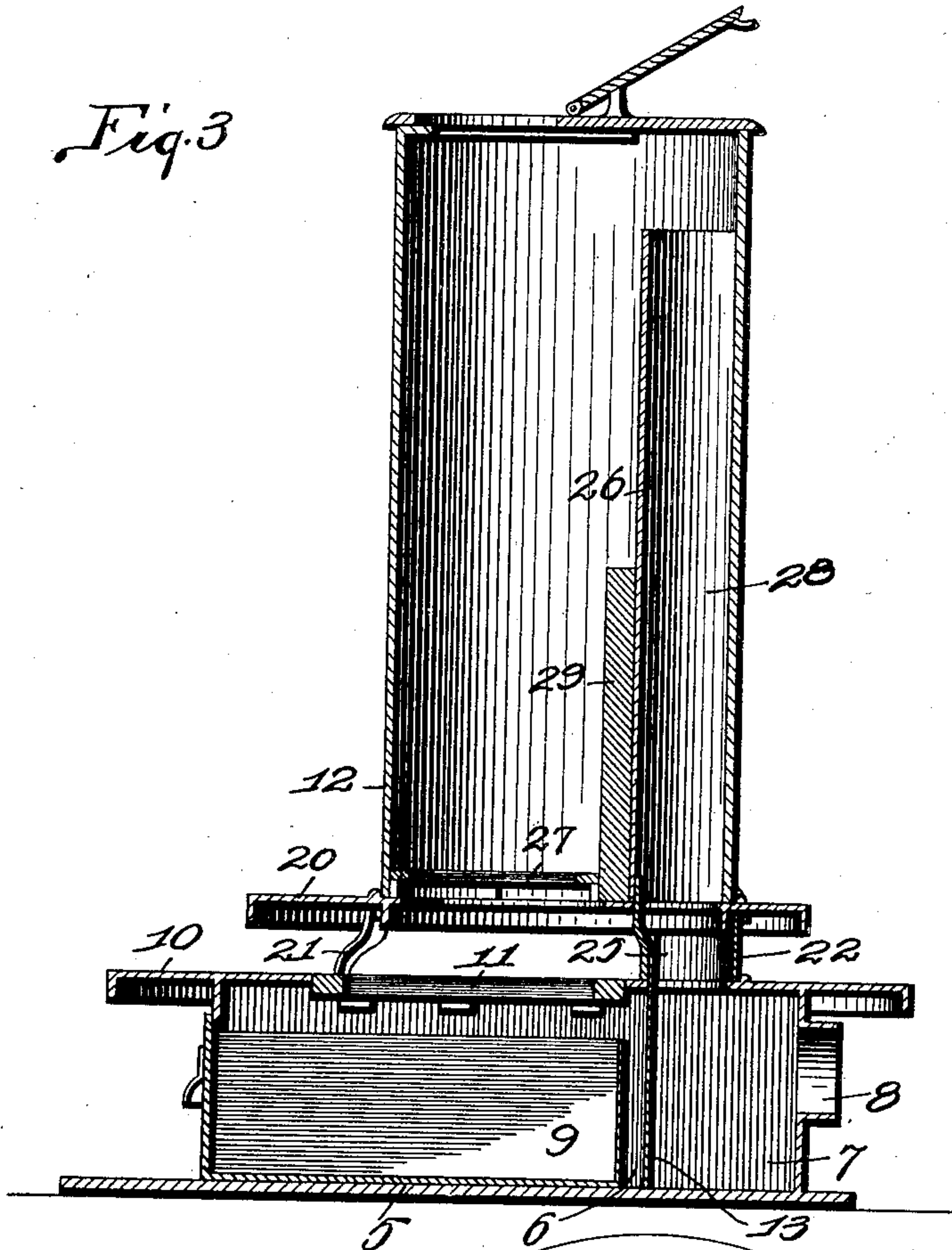
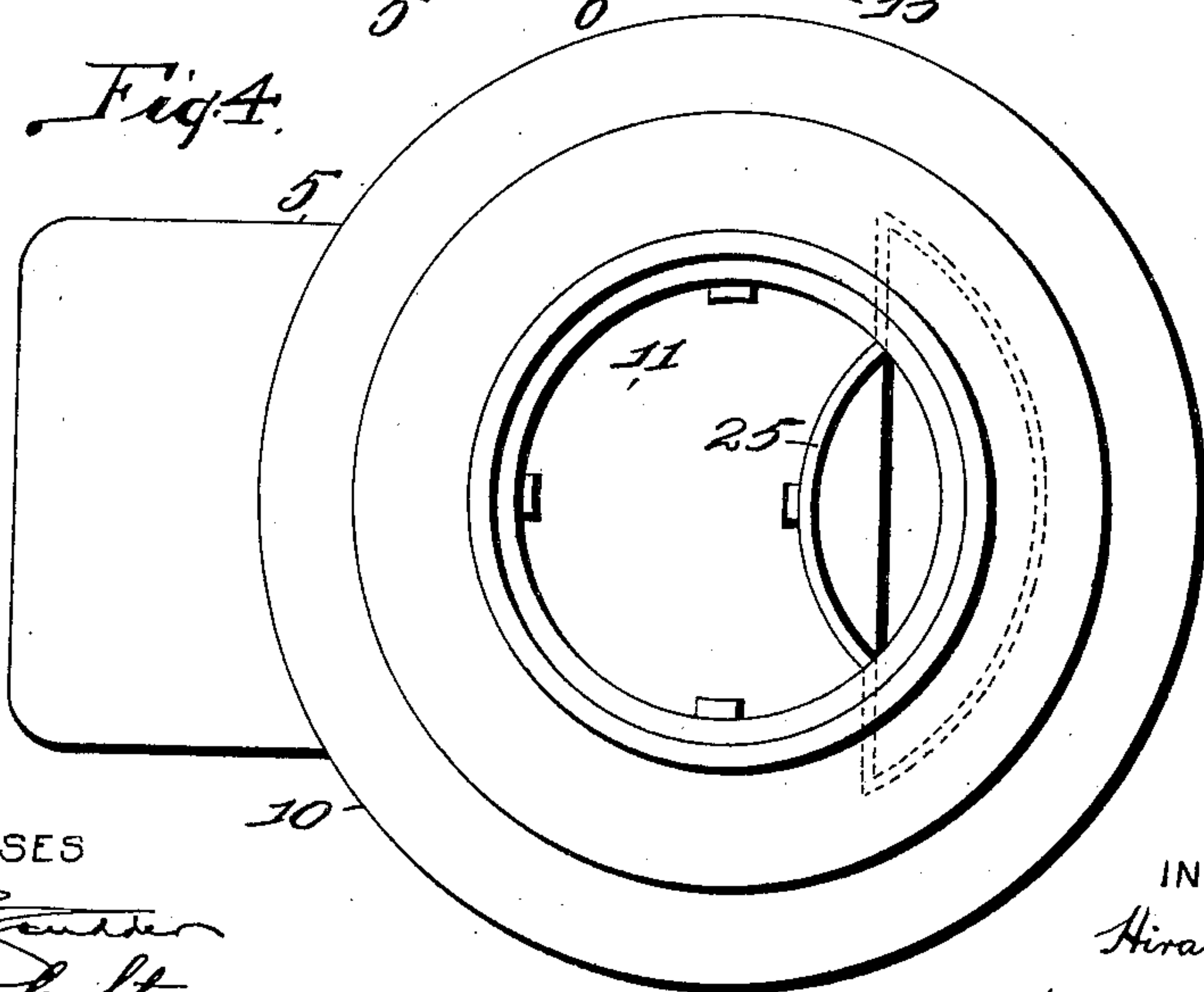


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

HIRAM C. ROGERS, OF ST. LOUIS, MISSOURI.

BARREL-HEATER.

No. 898,065.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed May 14, 1907. Serial No. 373,690.

To all whom it may concern:

Be it known that I, HIRAM C. ROGERS, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain
5 new and useful Improvements in Barrel-Heaters, of which the following is a specification.

This invention relates to improvements in barrel heaters, and consists in the novel arrangement, construction and combination of
10 parts as will be fully hereinafter described and claimed.

The object of my invention is to construct a barrel heater which may be so arranged as
15 to accommodate the heating of various sized barrels and kegs.

A further object of my invention is to construct a barrel heater hingedly mounted upon a base and having a flue extension whereby
20 various sized drums may be placed upon the base to accommodate various sizes of barrels or kegs to be heated.

In the drawings: Figure 1 is a front view of my barrel heater mounted directly upon the
25 base. Fig. 2 is a detail perspective view of the flue attachment. Fig. 3 is a central vertical sectional view of my complete invention. Fig. 4 is a plan view with the drum removed.

In the construction of my invention I provide a base 5 divided into two compartments 6 and 7, the compartment 7 acting as a flue chamber and provided with an outlet
30 8 to which a pipe is attached to communicate with the flue in the building. In the compartment 6 is placed an ash pan 9 and upon the top 10 is provided an opening 11 through which the ashes from the drum 12 are adapted to fall into the ash pan 9.

A partition 13 is formed in the base which divides the same into the compartments 6 and 7, and the upper end of the partition projects upwardly a short distance to complete the passage through which the draft
45 circulates.

In Fig. 1 I show the drum mounted directly upon the base 5. When placing a drum of smaller diameter upon the base 5 I provide a base 20 of smaller diameter, the front
50 end provided with legs 21 which rest upon the front of the base 5 and the rear end of the base 20 is supported upon the flue connection 22. The flue connection is composed of a hollow casing having a curved front wall 23
55 and a straight rear wall 24 and in the wall 24

I provide a curved projecting portion 25 which comes in contact with the inner surface of the partition 26 formed in the drum.

The partition wall 26 is located in the various sized drums and extends upwardly a
60 short distance from the top of the drum which permits the combustion to pass upwardly from the fire located upon the grate 27 and downwardly through the flue 28 formed by the partition wall 26 through the flue extension into the compartment 7 out through
65 the pipe connected with the flue of the building. In the front of the partition wall 26 I provide a lining 29 of sufficient height and of sufficient material to prevent the burning of
70 the partition 26.

The essential feature of my invention is the flue connection which is removably located upon the base 5, and which completes the flue connection with the various sizes of drums
75 located upon the base. The reason for providing various sizes of drums is to heat the barrels in cooperage establishments when the same are being constructed from a large size barrel to a keg. It has been the experience
80 by the coopers that by using a barrel heater of my design a great deal of space in the establishment is saved, and all that is necessary to do this is to remove the drum and place a drum of smaller diameter in position as shown
85 in Fig. 3. Heretofore it was necessary to have various sizes of heaters and whenever a change was necessary the pipe connecting the base with the flue in the building would have to be removed and placed upon a smaller
90 base. By my invention the base is retained in position and merely the drums are disconnected. The view in Fig. 1 shows the largest size directly upon the base while in Fig. 3 I show the drum upon a second base and at-
95 tached to the flue connection.

Having fully described my invention, what I claim is:

1. A barrel heater, comprising a base divided into two compartments, a detachable
100 flue connection mounted upon one of said compartments, a drum, a flue located in said drum and arranged to communicate with the detachable flue connection, substantially as specified.

2. A barrel heater, comprising a base, a partition wall located in the base dividing the same into two compartments, one of said compartments attached to a pipe which communicates with the flue of a building, a de-
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tachable flue connection mounted upon said compartment, a smaller base detachably mounted upon the larger base, its rear end supported by the detachable flue connection,
5 a drum detachably mounted upon the smaller base, a flue located in the drum and communicating with the detachable flue connection, substantially as specified.

In testimony whereof, I have signed my name to this specification, in presence of two 10 subscribing witnesses.

HIRAM C. ROGERS.

Witnesses:

ALFRED A. EICKS,
WALTER C. STEIN.