

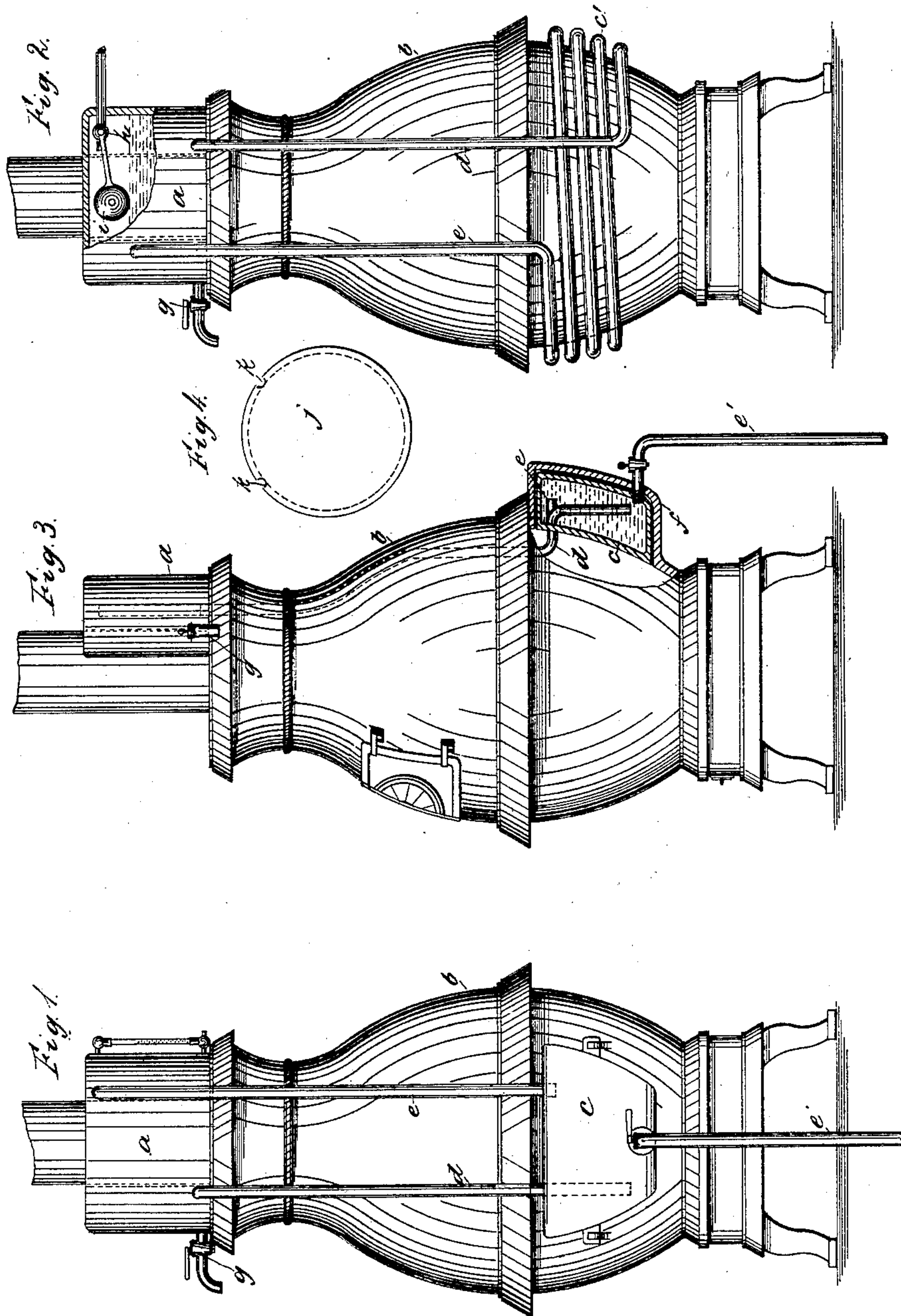
(No Model.)

G. T. BREWER.

HOT WATER ATTACHMENT FOR STOVES.

No. 360,411.

Patented Apr. 5, 1887.



Witnesses:

Henry Lee
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UNITED STATES PATENT OFFICE.

GILBERT T. BREWER, OF HOBOKEN, NEW JERSEY.

HOT-WATER ATTACHMENT FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 360,411, dated April 5, 1887.

Application filed September 15, 1885. Serial No. 177,145. (No model.)

To all whom it may concern:

Be it known that I, GILBERT T. BREWER, a citizen of the United States, residing at Hoboken, in the county of Hudson and State of New Jersey, have invented new and useful Improvements in Hot-Water Attachments for Stoves, of which the following is a specification.

My invention consists of a simple hot-water attachment for heating-stoves that may be applied to bar-room and office stoves already made, or may have such stoves specially contrived for it, the object being to provide a simple device that may be used or not in connection with the common form of heating-stoves not adapted for heating water, to enable hot water to be readily procured from such stoves when required, which is frequently the case in bar-rooms, barber-shops, stores, and offices, where the cast-iron cylinder or barrel stoves are most generally used for heating purposes, all as hereinafter fully described, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a barrel-shaped stove of the common form with my improved hot-water attachment applied. Fig. 2 represents the same with a modified form of the attachment. Fig. 3 is partly a side elevation and partly a section of the same form of stove specially constructed for the application of the attachment. Fig. 4 is a plan of the stove-cover employed in some cases.

The attachment consists, essentially, of a tank, *a*, adapted to rest on the top or other elevated part of the stove *b*, and a boiler, *c* or *c'*, or other approved form adapted to be applied to the side of the stove, inside or out, and connected with the tank *a* by suitable circulating-pipes, *d* and *e*, forming a device that may be applied to a stove and removed therefrom at will, the boiler being so as to lodge against or rest in connection with the hottest part of the stove, where the water will be readily heated, and the tank being located on a cooler part, where the water will be kept hot, but steam will be condensed, and the boiler being suspended from the tank by the circulating-pipes connecting the two together.

The preferable and convenient form of the

attachment is that represented in Figs. 1 and 3, in which the boiler is a vessel adapted by its form to lodge either against the outside of the bulge of the stove or in a recess, *f*, that may be made in the side of a stove specially constructed for it, the inside of the boiler fitting the exterior of the shell of the stove in the one case, and in the other case forming a portion of the interior shell of the fire-box, and the connecting-pipes being located outside or inside of the stove, according as the boiler is placed outside or in. When the boiler is placed outside, the supply-pipe *e'* may connect directly with it, as shown in Fig. 1; but when placed inside said pipe will extend through a hole in the stove-plate. When the boiler is to be placed inside of the stove, the hole in the stove-cover will be adapted to allow the boiler to be inserted through it, and the cover *j* for the hole will be notched for the pipes, as at *k* in Fig. 4. The pipes in such case will connect with the inside of the boiler and with the bottom of the tank suitably for extending down from the boiler inside of the stove.

In the outside arrangement of the boiler the pipes may connect with top of the boiler and with the back side of the tank. The tank is made with one concave side to fit the smoke-pipe a part of its circumference, and is provided with a faucet, *g*, for drawing the hot water. It may have the inlet-pipe connected to it with a cock, *h*, and a float, *i*, to shut off the water when partly full, if desired.

It is obvious that the coil boiler *c'* may be substituted for the vessel *c* with good results, if desired, the coil being fitted around the lower portion of the barrel, where the fire is hottest.

The attachment may be applied to such stoves as have a smoke-pipe extending out of the side, with a pot-hole and cover at top of the same, by a slight modification of the circulating-pipes.

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

1. The combination, with a cylinder or barrel stove, of the hot-water attachment consisting of a tank seated on the top or other elevated part of the stove, the boiler supported

on a level with and extended in contact with the shell of the fire-pot, and the circulating-pipes connecting the tank with the boiler.

2. The combination, with a stove having the
5 interior recess, *f*, in the fire-box, of the hot-water attachment consisting of tank *a*, seated on the top of the stove, boiler *c*, located in the recess *f* in the shell of the fire-pot, and the circulating-pipes *d e*, connecting the tank and the
10 boiler, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

GILBERT T. BREWER.

Witnesses:

W. J. MORGAN,
S. H. MORGAN.