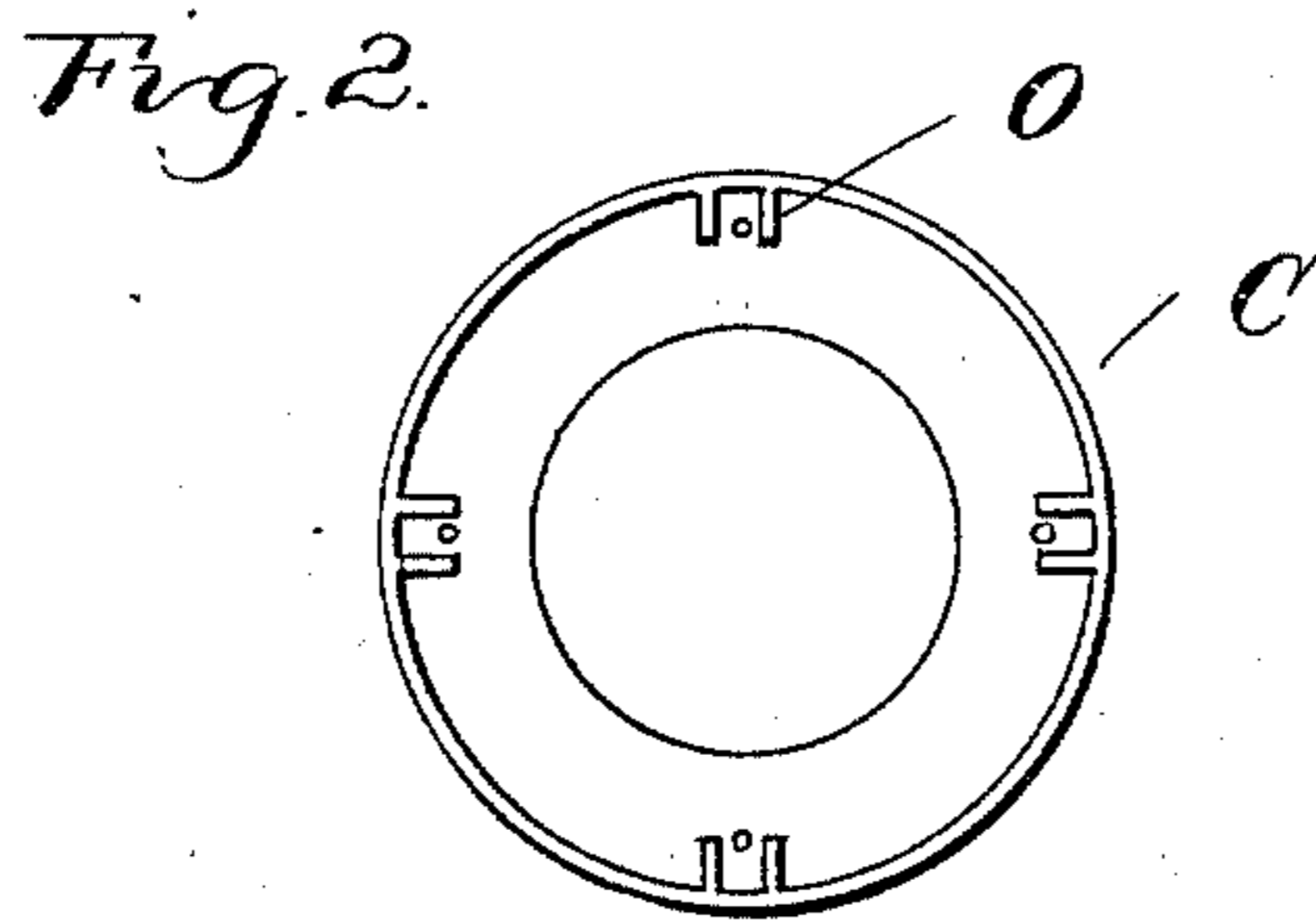
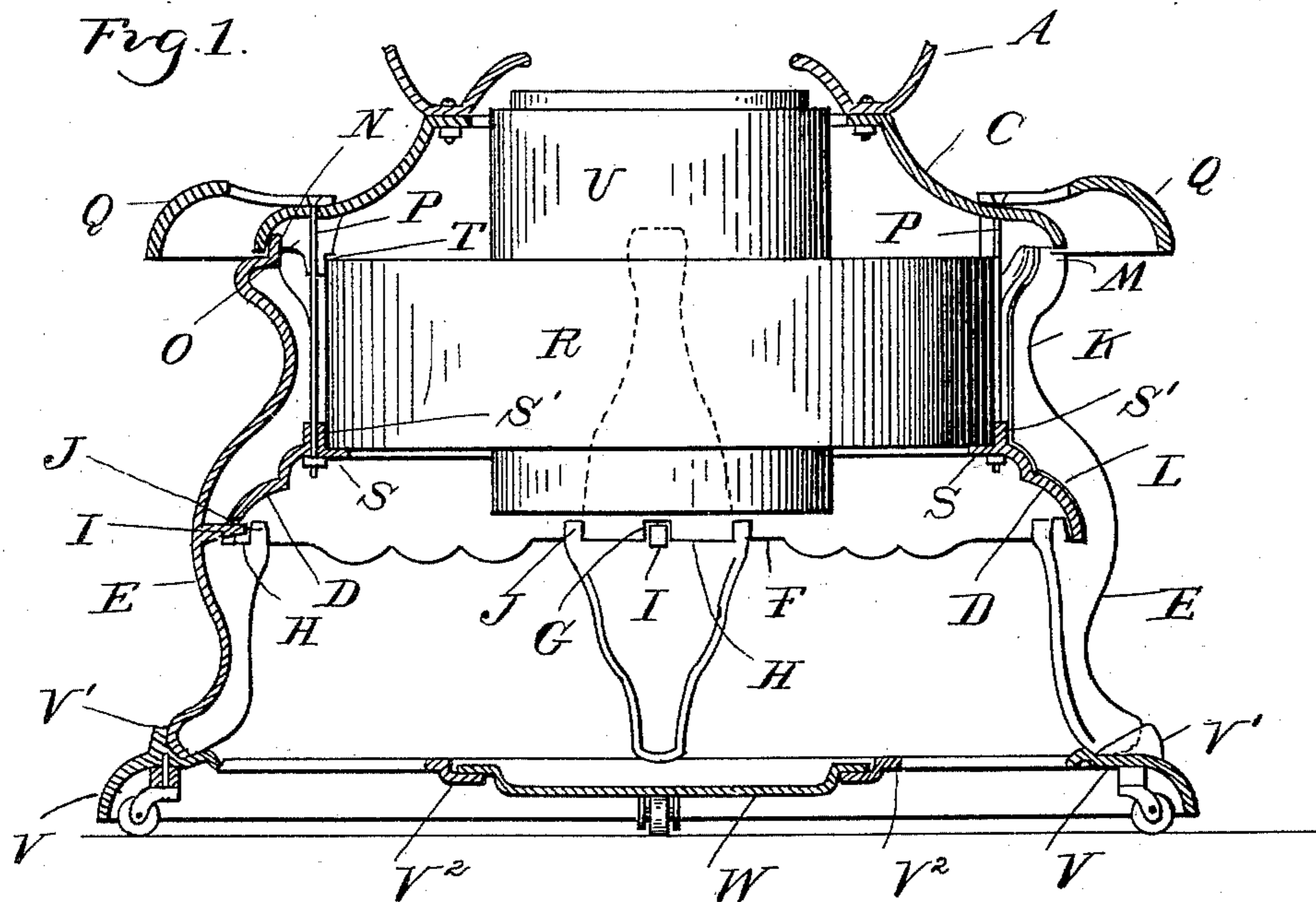


(No Model.)

G. W. COPE.
OIL STOVE.

No. 485,838.

Patented Nov. 8, 1892.



Witnesses
A. L. Hobbie
M. J. O'Gherly

Inventor
George W. Cope
By M. J. O'Gherly, Atty's.

UNITED STATES PATENT OFFICE.

GEORGE W. COPE, OF DETROIT, ASSIGNOR TO HUGH L. SMITH, OF JACKSON,
MICHIGAN.

OIL-STOVE.

SPECIFICATION forming part of Letters Patent No. 485,838, dated November 8, 1892.

Application filed July 12, 1892. Serial No. 439,761. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. COPE, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Oil-Stoves, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in oil-stoves; and the invention consists in the peculiar construction of the base, whereby the construction is simplified and cheapened, giving also a firmer connection between the various rings of which the base is formed.

The invention further consists in the peculiar construction, arrangement, and combination of the various parts, as more fully hereinafter described.

In the drawings, Figure 1 is a vertical section through the stove containing my improvements. Fig. 2 is a bottom plan view of the upper ring.

The upper part of the stove may be of any desired construction and may be secured to my improved base in any desired manner.

In the drawings I have shown part of an upper section A, secured to the upper ring C of the base.

D is the lower ring. E are the legs. The lower ring is provided at suitable points with a straight portion F, central of which is formed a notch G. The legs are provided with corresponding shoulders H and with an inward-extending lug I, adapted to engage in the notch G, as plainly shown in Fig. 1. The legs are also provided at each side with the upward-extending fingers or lugs J, adapted to engage on the inner side of the lower ring to prevent movement of the leg in relation to the ring after the two are secured together. The leg is provided with the upward extension K, having the bearing L, adapted to fit upon the upper face of the lower ring, and a shoulder M, fitting beneath the lower edge of the upper ring, and a finger or lug N, fitting within the lower ring between lugs O, formed on the under side thereof.

P are clamping-bolts passing through both rings and adapted to draw the two together. In turning up these clamping-bolts the bear-

ing L will press against the upper face of the lower ring and the shoulder M will bear against the under face of the upper ring, and thus tightly clamp the leg in position, the leg being held from lateral displacement by means of the lugs J and the finger I engaging into the notch G, as previously described.

Q are foot-rails at either side of the stove and secured to the upper ring by means of the clamping-bolts P, and these clamping-bolts pass behind the legs, which serve as covers for the same, enabling me to construct the base without any of the bolts showing.

I preferably hold the tank R in position by clamping it between the upper and lower rings. To do this, I form flanges S and S' on the inner edge of the lower ring, forming an annular notch or gain, in which the lower edge of the tank rests, and I form corresponding notches or gains T in the lower edges of the lugs O, the parts being so constructed that the legs and tank are of suitable height, so that the clamping-bolts will clamp both firmly in position at the same time. Thus with the four bolts I am enabled to assemble the whole base, including the legs, rails, and oil-tank.

U is the wick-tube.

V is a roller-base having suitable sockets V' to receive the lower ends of the legs and a flanged ring V², arranged beneath the wick-tube U, adapted to support a pan W to catch the drippings from the tube.

What I claim as my invention is—

1. In a stove, the combination of an upper ring, a lower ring, legs having extensions adapted to engage both rings, and clamping-bolts passing through both rings and clamping the rings and legs together, substantially as described.

3. In a stove, the combination of an upper ring, a lower ring, the legs having lugs J, engaging inside the lower ring, the bearing L, engaging upon the top of the lower ring, the lug N, engaging beneath the upper ring, and clamping-bolts passing through the upper and lower rings, substantially as described.

2. In a stove, the combination, with the upper ring, the lower ring, the legs having lugs J, engaging beneath the lower ring, and a finger G, engaging in a notch or recess in the lower ring, of the extensions K of said legs, having

the bearing L upon the upper face of the lower ring, the lugs or fingers N, engaging beneath the upper ring, and the clamping-bolts, substantially as described.

- 5 4. In a stove, the combination, with the upper and lower rings having notched bearings on their inner edges, of the tank R, adapted to engage the top and bottom of said notches, the legs having extensions and engaging both

of the rings, and the clamping-bolts, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. COPE.

Witnesses:

M. B. O'DOHERTY,
N. L. LINDOP.