

No. 710,138.

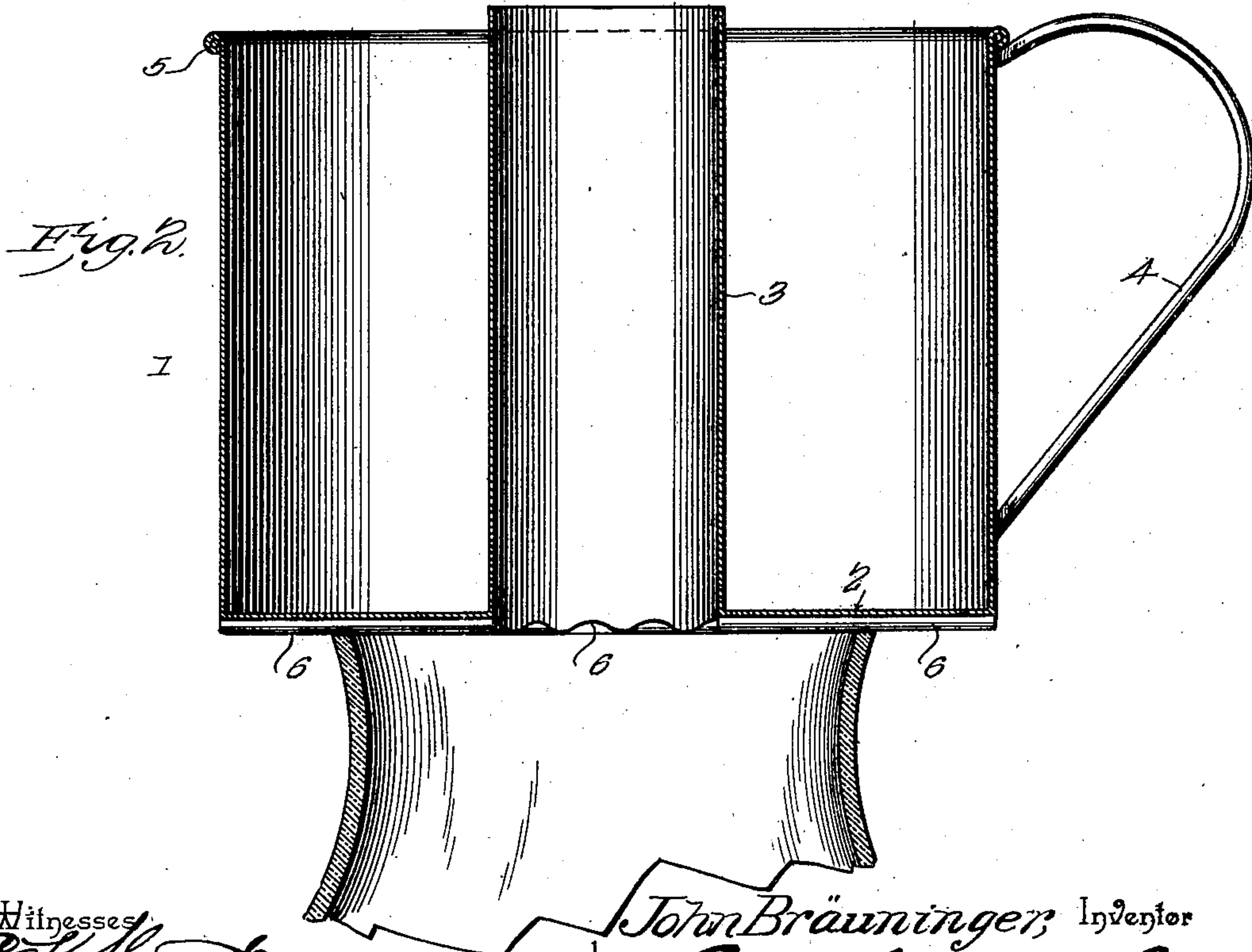
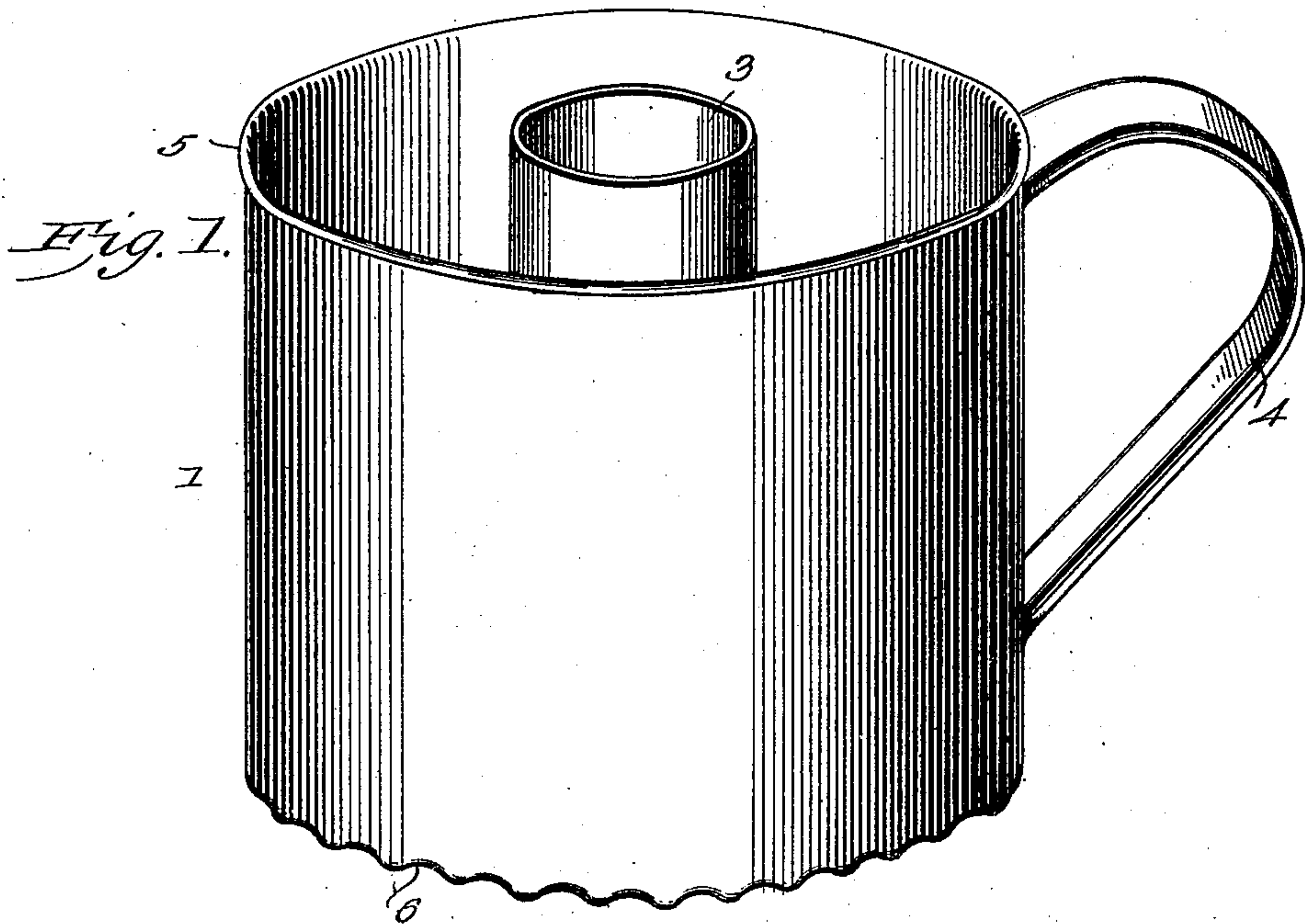
Patented Sept. 30, 1902.

J. BRÄUNINGER.

CUP.

(Application filed July 29, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN BRÄUNINGER, OF LORAIN, OHIO.

CUP.

SPECIFICATION forming part of Letters Patent No. 710,138, dated September 30, 1902.

Application filed July 29, 1901. Serial No. 70,144. (No model.)

To all whom it may concern:

Be it known that I, JOHN BRÄUNINGER, a citizen of the United States, residing at Lorain, in the county of Lorain and State of Ohio, have
5 invented a new and useful Cup, of which the following is a specification.

This invention relates to heating-cups, and more particularly to that class adapted to be placed upon a lamp-chimney for the purpose
10 of heating milk, water, or other liquid substances.

The object of the invention is to provide a simply-constructed, cheap, efficient, and durable cup for the purpose specified which
15 when placed upon a lamp-chimney, either of the pearl-top type or plain-top type, will utilize the heat from the lamp in the most advantageous manner to effect rapid heating of any substance in the cup; furthermore, to provide
20 a cup the bottom of which shall be so constructed as not to interfere with the combustion of the lamp and which shall present increased surface for radiation of heat, thereby to hasten the heating of any substance placed
25 in the cup.

With this and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a
30 heating-cup, as will be hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, forming part of this specification, and in which like numerals of reference indicate the corresponding parts, I have illustrated a form of embodiment of my invention capable of carrying
35 my ideas into effect, it being understood that the elements herein exhibited may be varied or changed as to shape, proportions, and exact manner of assemblage without departing from the scope of my invention, and in these drawings—

Figure 1 is a view in perspective, exhibiting
45 a cup embodying the essential features of my invention. Fig. 2 is a vertical longitudinal section through the cup, the cup being exhibited as resting upon the upper portion of the lamp-chimney.

50 Referring to the drawings, 1 designates a cup, which may be made of any suitable material; 2, the bottom; 3, the draft-tube, which extends above the rim of the cup, and 4 the

handle. In constructing the cup of this invention the same may be made, if preferred, of
55 a single piece of metal with the bottom and sides integral and with the draft-tube suitably associated therewith, or it may be made in the usual manner—that is to say, with the body and bottom separate elements and with
60 the draft-tube associated with the bottom, as by solder or the like. The rim 5 of the cup is herein shown as beaded in order to facilitate pouring out of the contents of the cup, as will be well understood. 65

In order to adapt the cup for use in connection with a fluted or pearl-top chimney or with a plain-top chimney and also to increase the heating-surface of the bottom, the same is shown as provided with radial corrugations 6,
70 which may extend from the draft-tube 3 outward to the sides of the cup, as shown in Fig. 1, or may extend from a point near the draft-tube to a point near said sides, as may be preferred. It will be readily appreciated that
75 when these corrugations are provided the up-draft of the chimney is in no way interfered with and that, further, the heat-radiating surface is very largely augmented. The draft-tube 3 may be associated with the bottom in
80 any preferred manner or may constitute an integral part thereof and operates in the well-known manner to carry off the unconsumed products of combustion from the lamp and also operates to give added heat-surface to
85 the cup.

The form of cup herein shown is exceedingly simple of construction, and as the parts are capable of being made and assembled by an ordinary mechanic it may be made and
90 sold at a price that will commend itself to persons requiring such a utensil.

What I claim is—

A lamp heating-cup comprising a body having its lower end fluted, a bottom having radial corrugations registering with the flutes,
95 and a centrally-disposed draft-flue carried by the bottom and extending above the rim of the body.

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

JOHN BRÄUNINGER.

Witnesses:

GEO. L. GLITSCH,
G. W. GERTZ.