

No. 782,370.

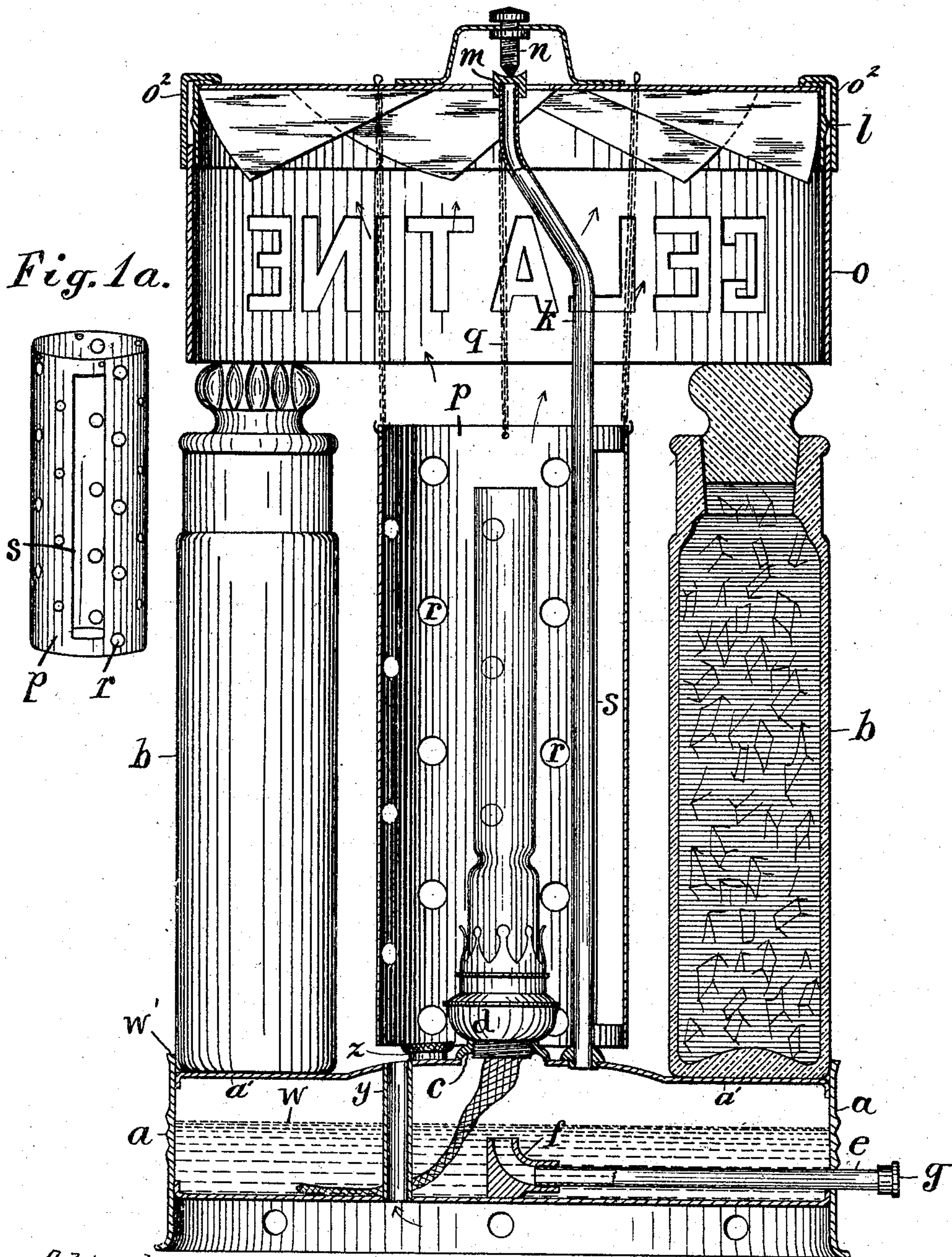
PATENTED FEB. 14, 1905.

A. H. TRIMPI.  
ILLUMINATED ADVERTISING APPARATUS.

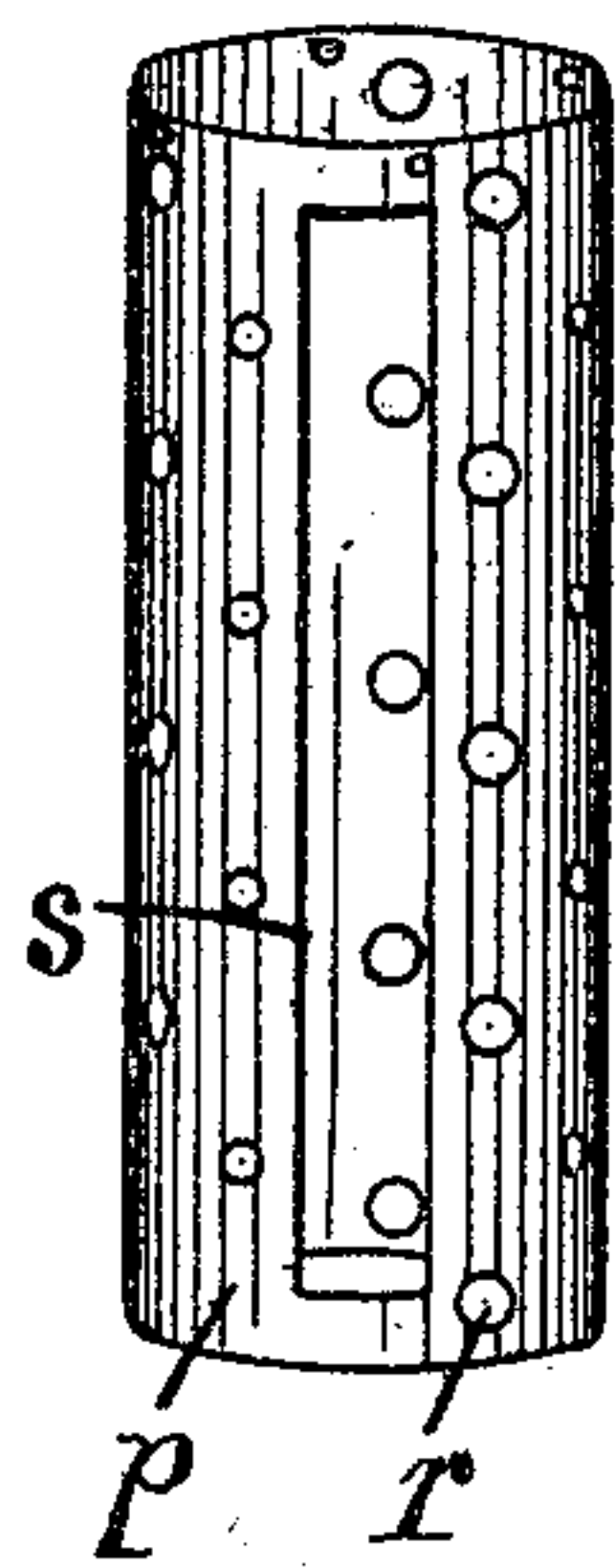
APPLICATION FILED JAN. 26, 1904.

2 SHEETS—SHEET 1.

*Fig. 1.*



*Fig. 1a.*



Attest:

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Inventor.

August H. Trimpi, per  
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No. 782,370.

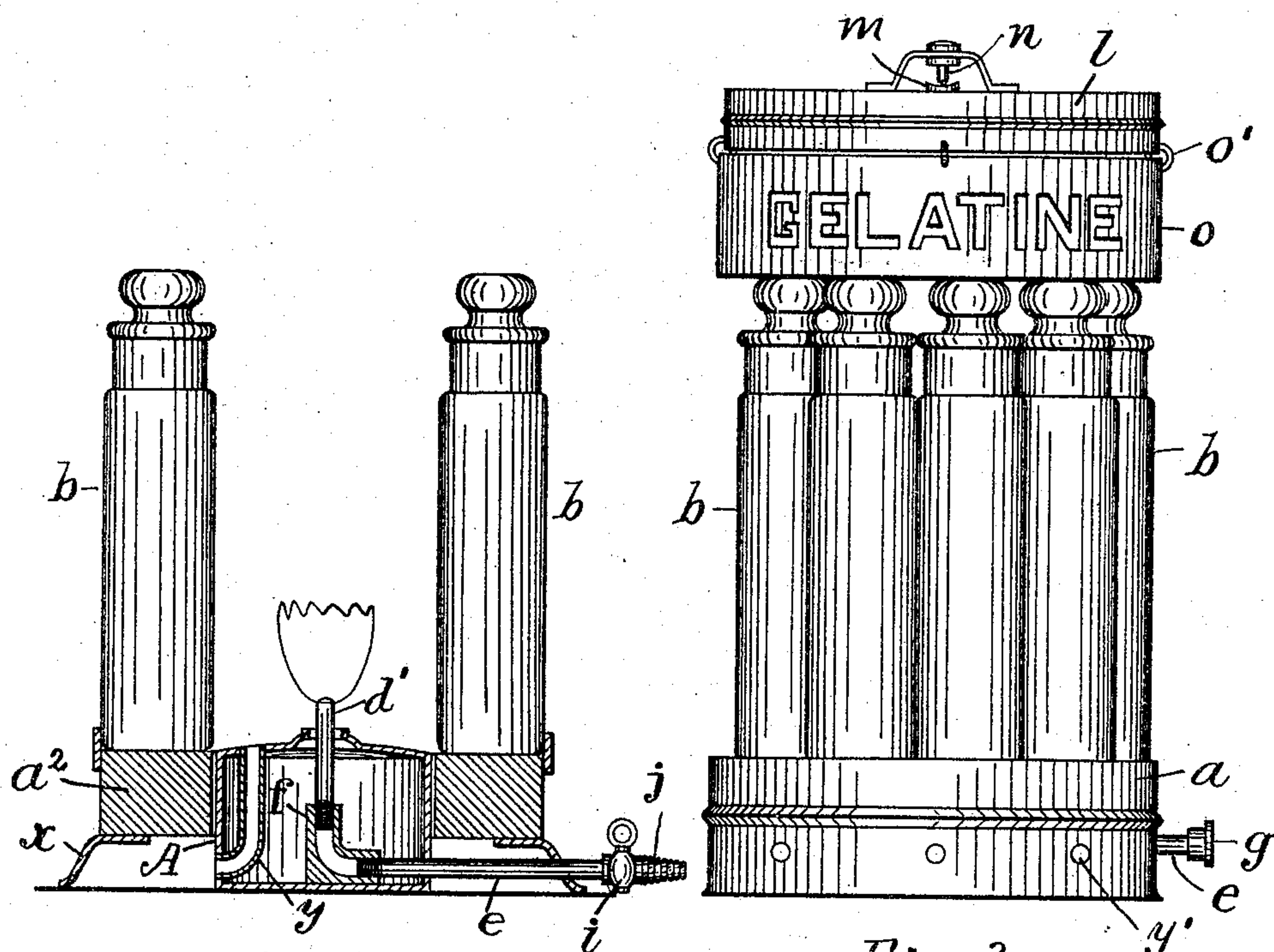
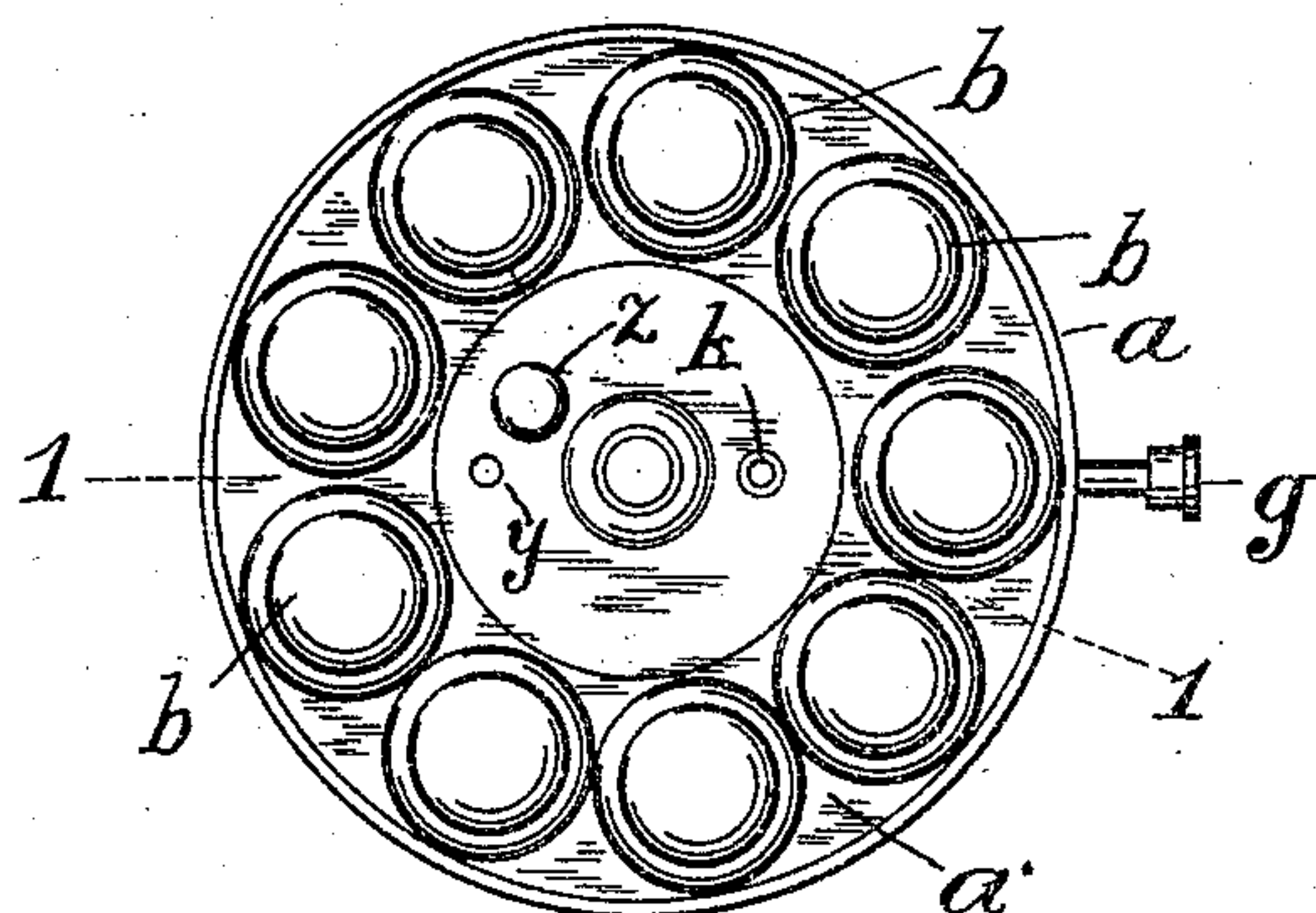
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2 SHEETS—SHEET 2.

*Fig. 2.*



*Fig. 4.*

*Fig. 3.*

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# UNITED STATES PATENT OFFICE.

AUGUST H. TRIMPI, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO  
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## ILLUMINATED ADVERTISING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 782,370, dated February 14, 1905.

Application filed January 26, 1904. Serial No. 190,671.

*To all whom it may concern:*

Be it known that I, AUGUST H. TRIMPI, a citizen of the United States, whose residence and post-office address is No. 11 Twenty-first street, East Orange, county of Essex, State of New Jersey, have invented certain new and useful Improvements in Illuminated Advertising Apparatus, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

The object of the present invention is to furnish a special construction to utilize the jars which are described in my Patent No. 714,975 in an advertising or display apparatus. Such jars are constructed to produce peculiar ornamental effects, as they contain glass blocks with colored jelly filling the interspaces between the blocks, and in the present apparatus a series of such jars is supported upon a circular seat around an oil or gas burner, and the light of the burner is flashed at intervals upon the jars by perforations in a revolving drum. The drum is revolved in the usual manner in such apparatus by a hot-air propeller supported upon a pivot and sustaining the rotating drum. Any particular article which is to be advertised is displayed by a legend or transparency upon the jars or formed as a circular skirt attached to the propeller and revolved therewith above the jars.

This apparatus has been sent to many parts of the United States in advertising a certain article, and it has been found very convenient to construct the apparatus so that the burner may be supplied with either oil or gas, and the apparatus is thus adapted for use where either one of such means can be supplied.

The base of the apparatus is formed with a seat to support a series of the glass jars, and such base is preferably formed of an oil-lamp font having a socket upon the top to receive a kerosene-oil burner, and the same structure is adapted to the use of gas by extending a gas-pipe into the interior of the oil-font, which pipe is provided with a detachable gas-burner which can be inserted through the oil-burner socket and screwed into the gas connection. The outer end of the gas-pipe is capped when oil is used in the font and is provided with a

cock having a nozzle for a gas connection by which it is adapted to the use of gas.

The invention will be understood by reference to the annexed drawings, in which—

Figure 1 is an elevation of the apparatus with certain parts in section on line 1 1 in Fig. 2. Fig. 1<sup>a</sup> is a perspective view of the perforated drum. Fig. 2 is a plan of the apparatus with the propeller and its attached transparency removed. Fig. 3 is an elevation of the apparatus, and Fig. 4 is a central section of the lamp-font with a separate ring around the same and the jars thereon with the gas-burner substituted for the oil-burner.

In Figs. 1, 2, and 3, *a* designates a circular base formed wholly of an oil-font with a flat circular seat *a'* upon the top of the same adjoining the margin upon which a series of glass jars *b* is shown. A rim *w'* projects above the base to hold the jars thereon. Such jars form the display-body, and a screw-socket *c* is formed upon the font in the center of the chamber within the jars and shown provided with an ordinary detachable lamp-wick burner *d*. With oil in the font such burner supplies a light to illuminate the jars. A gas-pipe *e* is shown extended into the oil-font and terminated below the center of the socket *c*, with an upwardly-projecting nozzle *f*, to which a gas-burner *d'* is detachably fitted, so that it can be applied through the socket *c* when the kerosene-burner is removed, as shown in Fig. 4.

In Fig. 1 a cap *g* is shown upon the outer end of the gas-pipe, and oil *w* is shown in the font filling the gas-pipe; but when gas is to be used the gas-burner would be substituted for the kerosene-burner and a gas-cock *i*, with a hose connection *j*, applied to the outer end of the pipe *e*, as shown in Fig. 4. A post *k* is shown extended upwardly from the lamp-font at the side of the burner and bent at the top over the center of the burner to support a hot-air propeller *l*, having the usual slanting blades to produce rotation by the current of air rising from the burner. The top of the post is shown provided with a removable vitrified cap *m*, having a concave seat in the top, and the center of the pro-



5 peller is shown provided with a step-pivot  $n$ ,  
 resting in the seat of the vitrified cap. The  
 propeller  $l$  is shown supported at a suitable  
 distance above the tops of the jars  $b$  to carry  
 a cylindrical skirt  $o$ , perforated to form the  
 legend "Gelatine," which is illuminated when  
 turned toward the spectator by the light from  
 the burner below, thus forming an ordinary  
 transparency. It is immaterial how the skirt  
 10  $o$  is attached to the propeller. In Fig. 3 it is  
 shown secured by wire rings or loops  $o'$ , while  
 in Fig. 1 it is shown attached by brackets  $o^2$ ,  
 the upper ends of which merely rest upon the  
 top of the propeller, so that it is removable  
 15 and renewable at pleasure. The skirt  $o$  is re-  
 volved above the jars, so that it may be  
 lighted independently of the jars.

A cylindrical drum  $p$  is shown suspended  
 from the rotary propeller by chains  $q$  and  
 20 perforated with holes  $r$  and slit  $s$ , through  
 which the direct light of the burner passes  
 at intervals outwardly to the jars  $b$ . The  
 holes are arranged spirally in series which  
 operate to flash through the jars at different  
 25 points of elevation. The slit  $s$  extends ver-  
 tically of the drum and serves to illuminate a  
 stripe from the top to the bottom of the jars,  
 which occurs momentarily as the drum re-  
 volves behind each portion of the series of  
 30 jars. The drum  $p$  extends only to the tops  
 of the jars, and the suspending-chains  $q$  per-  
 mit the reflected light to pass outwardly above  
 the drum to the skirt. The skirt is made ma-  
 terially larger than the drum, so as to extend  
 35 to the outsides of the jars, where it is fully  
 exposed to view.

The perforated legend upon the skirt is illu-  
 minated indirectly by the light of the burner,  
 which is reflected out of the top of the drum,  
 40 which does not extend above the bottom of  
 the skirt, and thus permits the reflected light  
 to reach the same.

It will be observed that the apparatus pos-  
 sesses an advertising-sign in the skirt  $o$ , bear-  
 45 ing the word "Gelatine," which may be the  
 name of a proprietary article, and that the  
 series of jars upon which the light is flashed  
 at intervals serves for attracting attention to  
 the said sign.

50 Fig. 4 illustrates the connection of a gas-  
 burner with the gas-pipe  $e$  and an alternative  
 construction for the base by which the lamp-  
 font is made separate from the circular seat  
 $a'$ . In this construction a solid circular ring  
 55  $a^2$  is shown with feet  $x$  and a hole in the cen-  
 ter in which a cylindrical font  $A$  is fitted de-  
 tachably and provided with the gas connec-  
 tion having a gas-burner  $d'$  screwed therein  
 and extended upwardly through the threaded  
 60 nozzle  $c$ , which is adapted to receive a kero-  
 sene-burner when required.

In Figs. 1 and 4 a tube  $y$  is shown extend-  
 ed upwardly through the font and its lower  
 end exposed to the atmosphere and its upper  
 65 end terminated within the revolving drum  $p$ .

Such tubes are to supply air for the combus-  
 tion at the burner, and the drum  $p$  serves as  
 a chimney for the products of combustion to  
 pass upwardly and as a guide to direct them  
 upon the inclined blades of the propeller  $l$ . 70  
 The extension of the air-tubes through the  
 body of the font furnishes the most conven-  
 ient means of supplying air to the burner and  
 a current of heated air to the propeller. Only  
 one of the air-tubes is shown in each of Figs. 75  
 1 and 4; but several of such air-tubes are re-  
 quired in practice. Holes  $y'$  are shown in  
 the flange projected below the font in Fig. 3  
 to admit air to the tubes. A filling-nozzle is  
 required upon the font, and the stopper  $z$  upon 80  
 such nozzle is indicated in Fig. 1.

This invention furnishes a very cheap and  
 effective means of utilizing translucent glass  
 jars containing colored or crystalized sub-  
 stances in an advertising or display device by 85  
 combining the lamp-font with a surrounding  
 seat adapted to support a series of jars and a  
 perforated drum revolved by a propeller be-  
 tween the burner and the jars to illuminate  
 the same in the manner described. 90

The combination of holes  $v$  with the slit  $s$   
 in the drum furnishes a diversity of illumi-  
 nation each time the drum revolves, and thus  
 produces a striking effect upon the spectator.  
 The means provided for using either gas or 95  
 oil for the light permit the apparatus to be  
 shipped to any place for use without inquir-  
 ing into the illuminating means that are avail-  
 able and permits the devices to be distributed  
 in grocery-stores, drug-stores, and other suit- 100  
 able places without making special provision  
 with each apparatus to suit the requirement  
 in each place.

By forming the display-body in this appa-  
 ratus of a series of translucent jars resting 105  
 loosely upon the base such jars may be changed  
 at pleasure to vary the effect of the illumina-  
 tion. If the jars are of different colors, the  
 mere changing of their arrangement upon the  
 base serves to vary the effect; but as the jars 110  
 are loose they may be readily removed and  
 replaced by others, if desired.

It will be observed that the light which  
 reaches the skirt  $o$  indirectly from the flame  
 produces a uniform illumination of the letters 115  
 or inscription in the skirt, which would not  
 be the case if the skirt revolved directly around  
 the flame, as the flame would shine through  
 the perforations in the skirt when such per-  
 forations were in a direct line between the 120  
 spectator and the flame. The illumination of  
 the inscription or lettering upon the skirt is  
 more easily read and understood with uniform  
 illumination than when illuminated by flashes  
 like the jars which are lighted only at inter- 125  
 vals by the perforations in the drum.

What is claimed herein is—

1. In a display apparatus, the combination,  
 with a circular base having a burner in the  
 center and a flat seat surrounding such burner, 130



of a circular series of removable translucent jars forming a display-body upon such seat, whereby the jars may be changed at pleasure to vary the effect of the illumination.

5 2. In a display apparatus, the combination, with a base, a circular series of jars thereon, and an oil-font in the base, of a burner upon the font, a perforated drum and a hot-air propeller for rotating the drum around the  
10 burner, and the font having an air-passage communicating at the lower end with the atmosphere, and extending at its upper end within the said drum, to supply air to the burner and to the hot-air propeller.

15 3. In a display apparatus, the combination, with a base forming an oil-lamp font and having a burner in the center and a seat upon the top around such burner, of a series of translucent glass jars sustained upon the seat to  
20 form a display-body, and a perforated drum supported rotatably between the burner and the jars and provided with a hot-air propeller having a perforated skirt *o* suspended therefrom above the jars, whereby direct rays of  
25 the light reach the jars through the perfora-

tions of the drum, and only the reflected light reaches the perforations in the skirt *o*.

4. In a display apparatus, the combination, with a base forming an oil-lamp font and having a burner in the center and a seat upon the  
30 top around such burner, of a series of translucent glass jars sustained upon the seat to form a display-body, the post *s* extended upward from the base, the hot-air propeller pivoted on the top of the post, the perforated  
35 skirt *o* suspended from the propeller above the jars, chains *q* depending from the propeller, and the perforated drum *p* suspended by the chains inside the series of jars, whereby  
40 direct rays of the light reach the jars through the perforations of the drum, and the reflected light passes between the chains to the perforations in the skirt *o*.

In testimony whereof I have hereunto set my hand in the presence of two subscribing  
45 witnesses.

AUGUST H. TRIMPI.

Witnesses:

IDALINE AIMS,  
THOMAS S. CRANE.