(No Model.) 2 Sheets—Sheet 1.

F. P. SHANAFELT.

ELECTRIC FOUNTAIN.

No. 518,122. Patented Apr. 10, 1894.

Fig. 1.

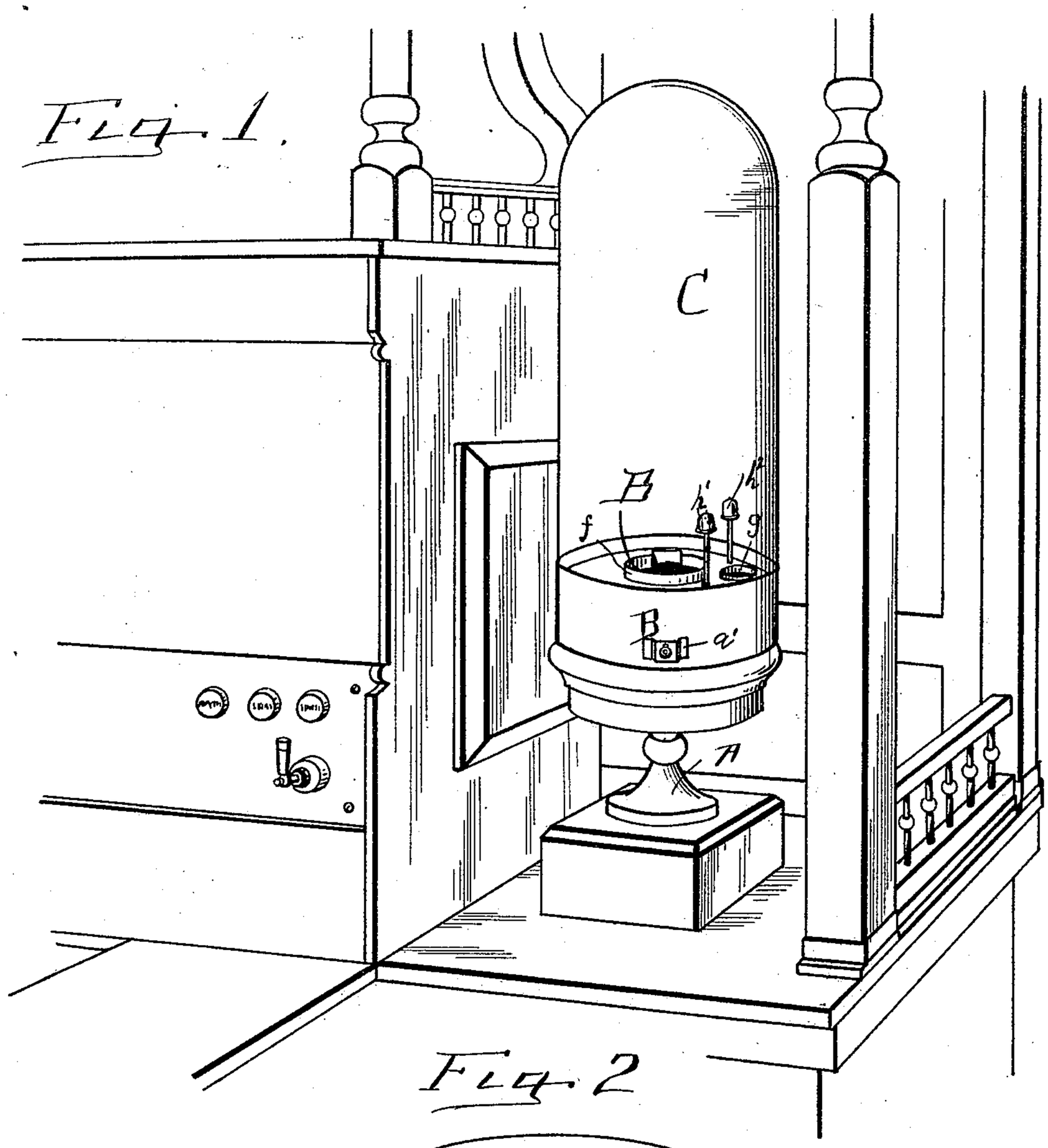
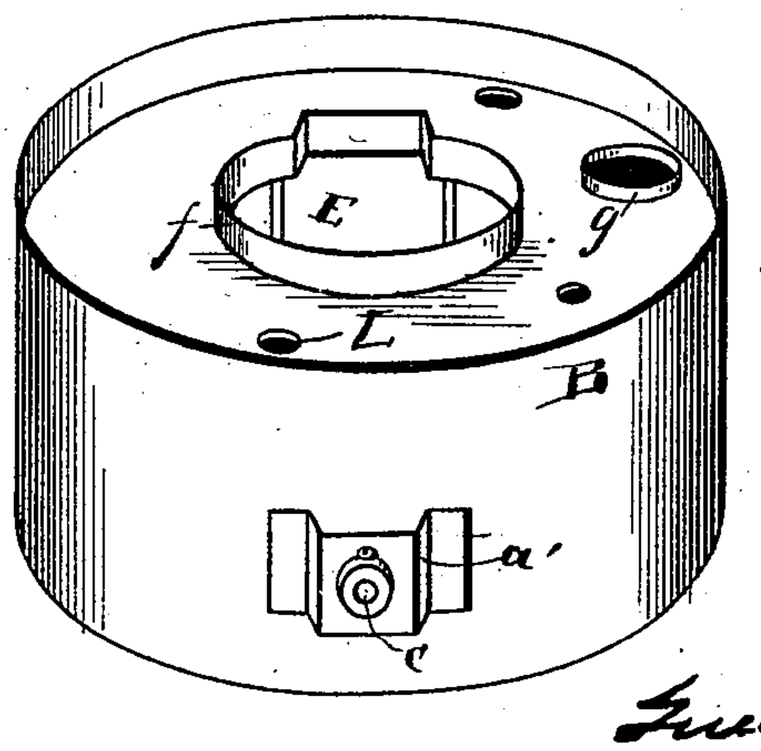


Fig. 2



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(No Model.) 2 Sheets—Sheet 2.

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Fig. 3

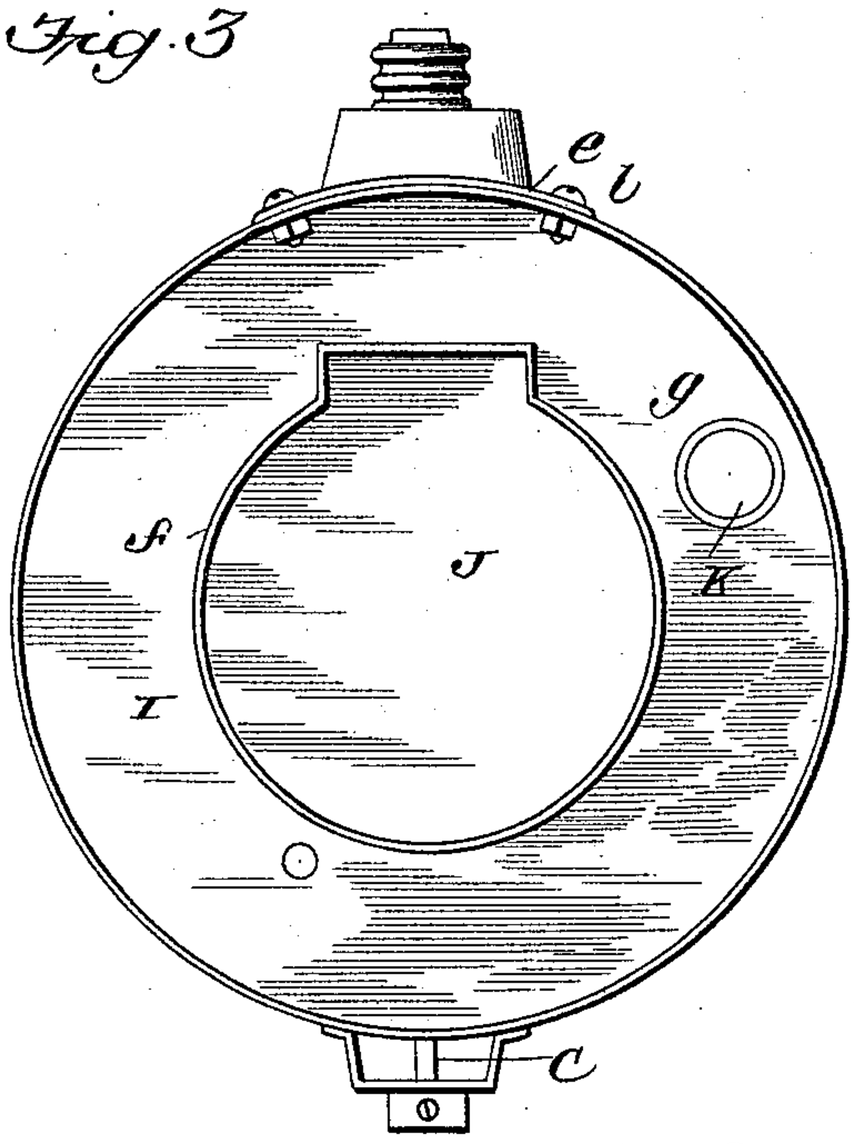


Fig. 4

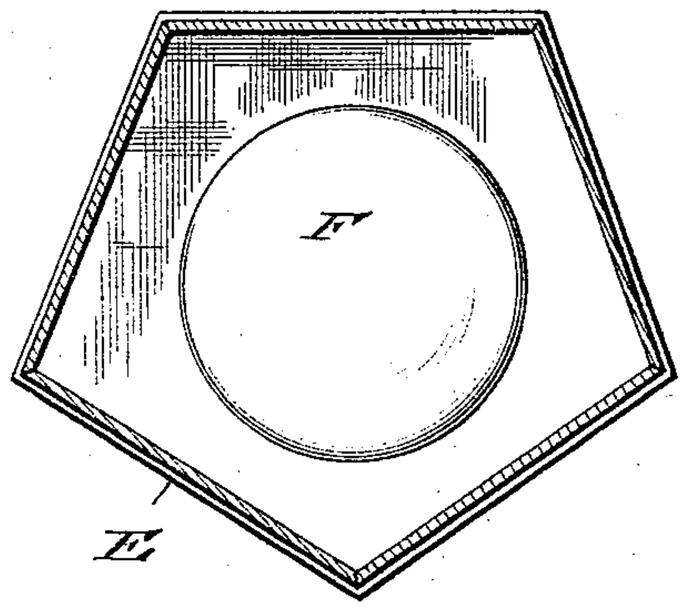


Fig. 5.

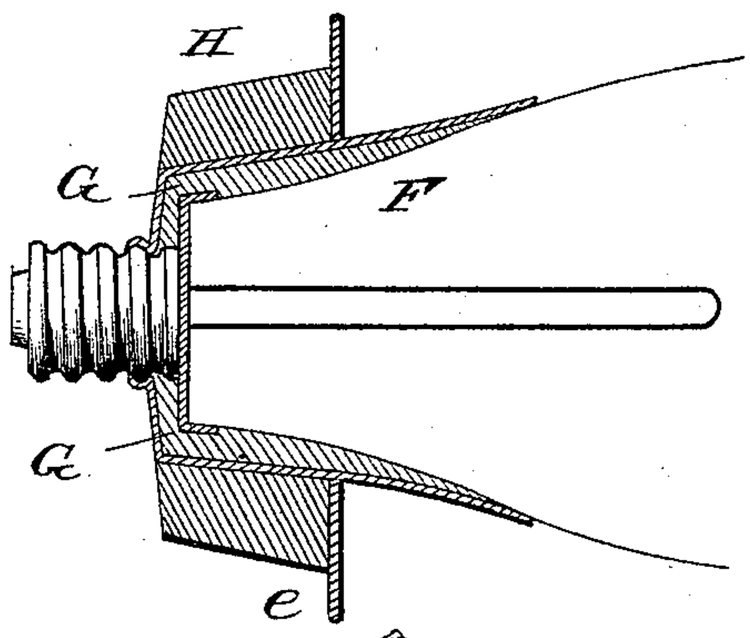


Fig. 6

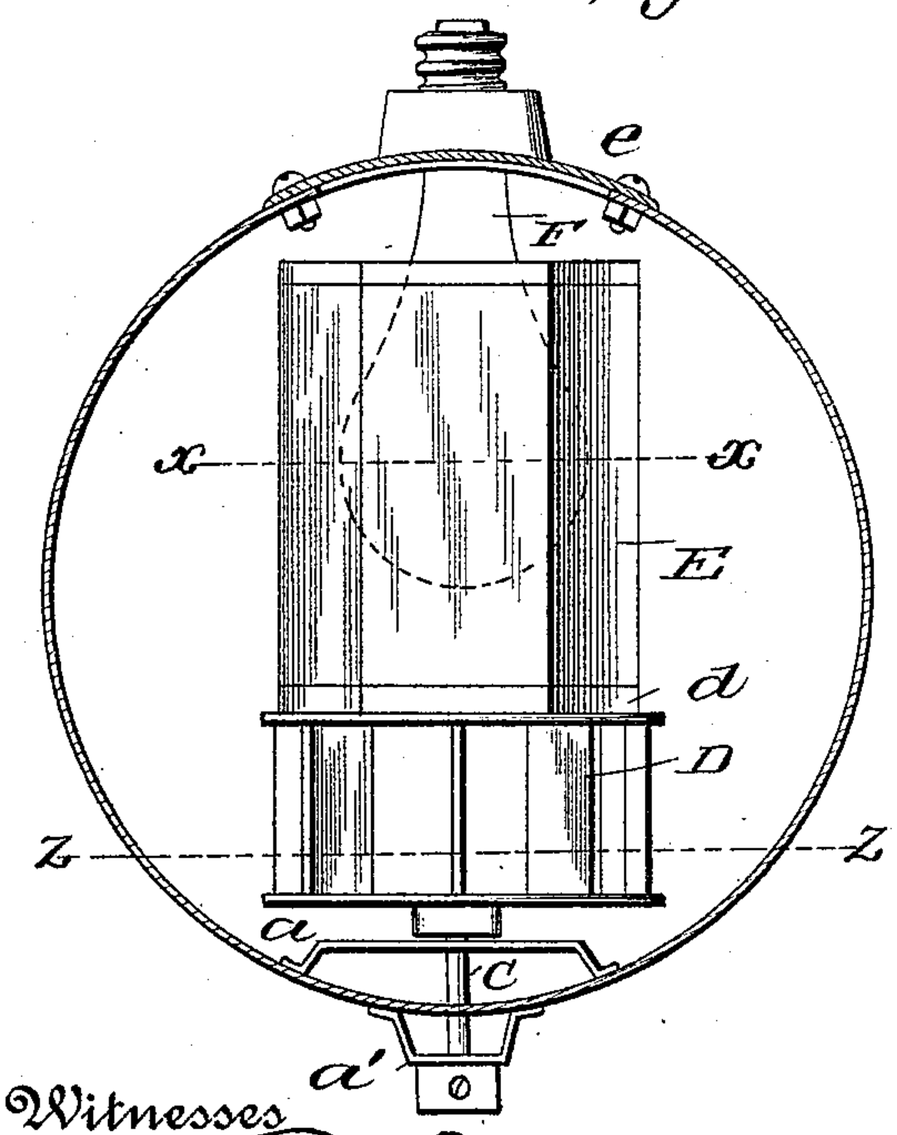
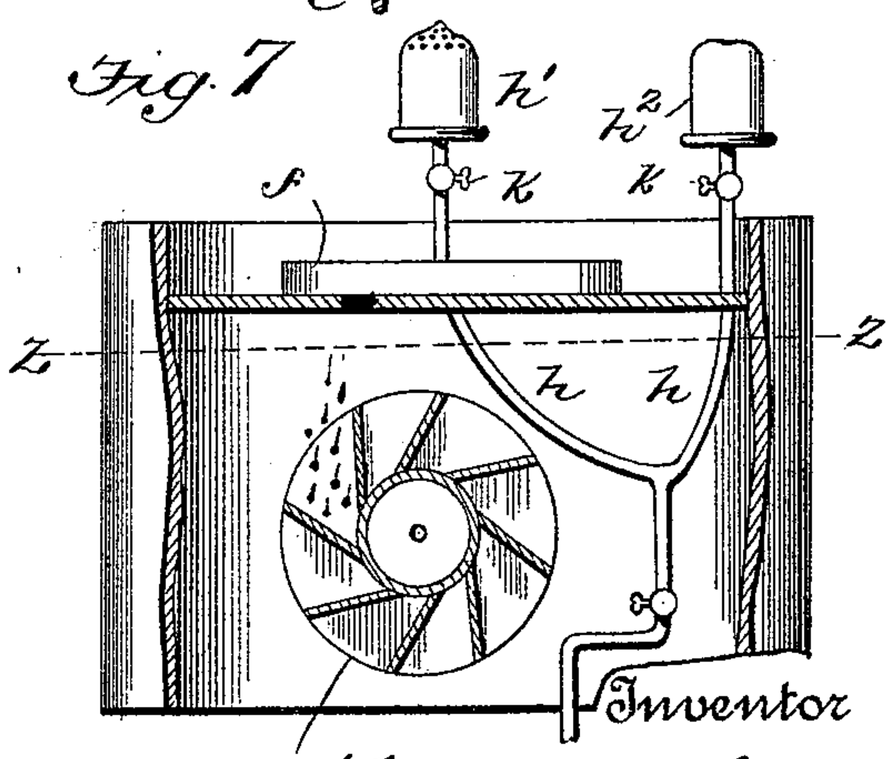


Fig. 7



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UNITED STATES PATENT OFFICE.

FRED P. SHANAFELT, OF CANTON, OHIO.

ELECTRIC FOUNTAIN.

SPECIFICATION forming part of Letters Patent No. 518,122, dated April 10, 1894.

Application filed September 13, 1893. Serial No. 485,429. (No model.)

To all whom it may concern:

Be it known that I, FRED P. SHANAFELT, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Electric Fountains; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1, is a view of the fountain showing the different parts properly arranged and located with reference to a soda fountain. Fig. 2, is a detached view of the drum designed and calculated to inclose the water wheel and the different parts belonging thereto. Fig. 3, is a top view of the drum. Fig. 4, is a transverse section through line *x*—*x*, Fig. 6. Fig. 5, is a transverse vertical section of the head of the incandescent lamp. Fig. 6, is a view showing the top of the drum removed and illustrating the position of the different parts contained within the drum. Fig. 7, is a transverse section through line *z*—*z*, Fig. 6.

The present invention has relation to electric fountains, and it consists in the different parts and combination of parts hereinafter described and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings A represents the base or urn, which may be substantially of the form shown in Fig. 1 or it may be of any other desired form or style. Upon the top or upper part of the urn A is located the drum or cylinder B, which drum or cylinder is for the purpose of providing a means for properly attaching and arranging the different parts contained in said drum or cylinder to be hereinafter described. Upon the top of the drum or cylinder A is located the glass dome C, which glass dome may be located, substantially as illustrated in Fig. 1. To the drum or cylinder B are attached the brackets *a* and *a'*, which brackets are for the purpose of providing suitable bearings for the water wheel-shaft *c*, to which shaft is securely attached in any convenient and well known manner the water wheel D; or if desired the water wheel D may be loosely mounted upon the shaft *c*, and said shaft held in a rigid horizontal position by means of the arms or brackets *a* and *a'* or their equivalents. To the inner end of the water wheel D is securely attached the polygon E by means of the flange *d* or its equivalent. The polygon E as shown in Fig. 4 is a pentagon, but it will be understood that any other desired kind of polygon may be used without departing from the nature of my invention, as the only object to be accomplished by the use of a polygon is to provide a means for locating sections of different colored glass around the lamp. The inner end of the polygon E is open for the purpose of admitting the incandescent lamp F. For the purpose of providing a means for attaching the lamp F to the drum B the outer end or portion of the lamp is wrapped with asbestus or other like insulating and yielding material. Upon the asbestus G or its equivalent is wrapped a layer of silk or like material, over which is placed the block or head H, which block or head is provided with the attaching flange *e*, said attaching flange being for the purpose of securely attaching the lamp together with its different parts to the drum or cylinder B. The object and purpose of placing yielding material between the lamp and the head is to provide for expansion without injury to the lamp.

The drum or cylinder B is provided with the plate or cover I, which plate or cover is provided with the central opening J, said opening is located directly over the polygon E. The plate I is provided with the over-flow aperture K, which over-flow aperture may be located substantially as illustrated in Figs. 1, 2 and 3.

For the purpose of providing a means for holding a quantity of water on the plate I, said plate is provided with the flanges *f* and *g*, the flange *f* being somewhat higher than the flange *g*, thereby allowing the water to over-flow before it reaches the top of the flange *f*, by which arrangement no great quantity of water is allowed to come in contact with the polygon or cylinder carrying the different colored glass. The feed pipe K' may enter the drum or cylinder at any desired

point reference being had to bringing the branches *h* within the glass dome C. The object and purpose of providing two branches to the feed pipe K′ is to provide for either a spray or jet stream of water as it will be understood that the tip *h′* may be a spray tip as shown and the tip h^2 a jet tip. For the purpose of regulating the flow of water to the tips *h′* and h^2 valves *k* are provided.

It will be understood that as the water strikes the inner sides of the dome C, it will find its way to the bottom of the dome, and accumulate upon the top or upper side of the plate I from whence it passes through the aperture L on to the water-wheel D, thereby communicating rotary motion to the water-wheel and the polygon or cylinder E, which rotary motion shifts the section of glass composing the polygon or cylinder, thereby changing the color of light.

In the drawings I have shown the lamp contained within the polygon, but it will be understood that the same object can be accomplished, by placing the lamp entirely below the polygon or other revolving device carrying different colored sections of glass.

I do not desire to limit my invention to any particular form of polygon, cylinder or other frame for holding different colored sections of glass and revolving the same by means of water.

In the drawings I have shown my device applied to a soda fountain, but it will be understood that the soda fountain has no reference to the present invention, except so far as it becomes an ornament of a soda fountain.

In the drawings I have illustrated an incandescent lamp, but it will be understood that in fountains especially designed for out door uses an arc lamp may take the place of the incandescent lamp shown.

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

1. The combination of the cylinder or drum provided with the plate or cover I having the opening J, and the over-flow aperture K, and the flanges *f* and *g*, the water wheel D located within the drum or cylinder, and a revolving cylinder carrying different colored glass sections, and an electric light, a glass dome and a water pipe, substantially as and for the purpose specified.

2. In an electric fountain the combination of a lamp as F, provided with yielding material, and a head provided with attaching flanges, a cylinder or drum having located therein a water wheel, and rotatable glass sections of different colors, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRED P. SHANAFELT.

Witnesses:
JESSIE M. HARE,
F. W. BOND.