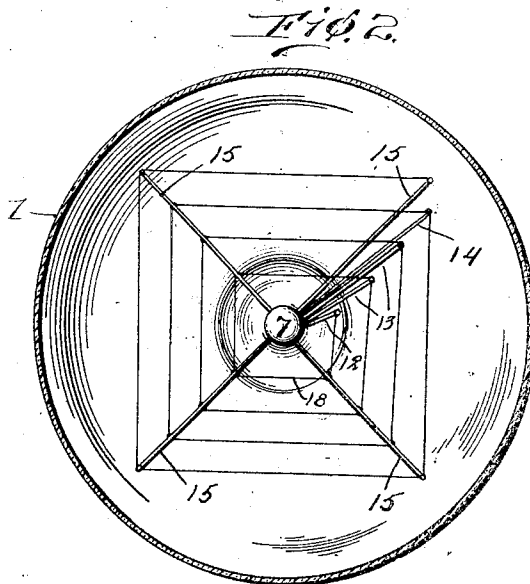
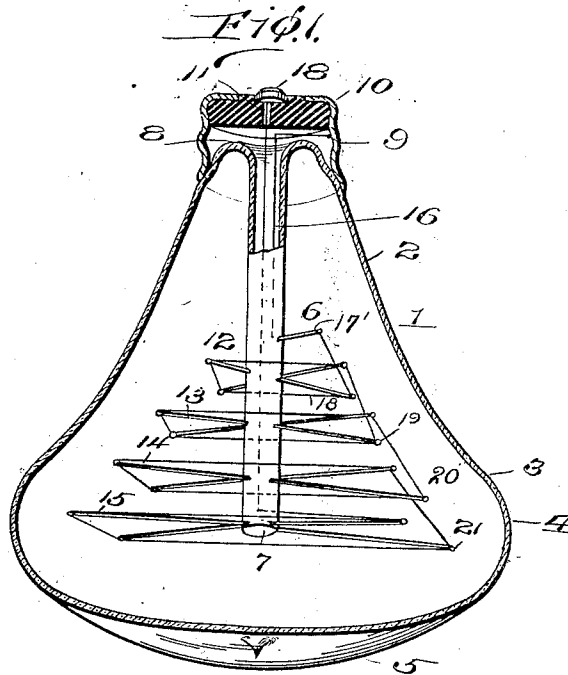


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BULB.  
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Witnesses

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## UNITED STATES PATENT OFFICE.

VAHAN GULESERIAN, OF BUFFALO, NEW YORK.

BULB.

1,055,272.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, VAHAN GULESERIAN, a subject of the King of Great Britain, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Bulbs, of which the following is a specification.

This invention relates to incandescent lamps and has for its object to provide an improved incandescent lamp so constructed and arranged that the light therefrom will be effectively distributed over the place occupied by a person using said lamp.

The invention further has for its object to provide an improved incandescent lamp so constructed and arranged that the heat generated by the lamp will be effectively distributed in the bulb so as to protect the latter from undue heating.

The invention further has for its object to provide an improved incandescent lamp which will be simple in construction, effective in operation and durable.

Referring to the accompanying drawing: Figure 1 is a view in vertical section of an incandescent lamp constructed in accordance with this invention. Fig. 2 is a view of the lamp looking from top to bottom and showing the bulb in horizontal section at its lower end.

To illustrate the carrying out of the invention 1 indicates a glass bulb for the lamp constructed in accordance with this invention and formed with an upper, narrow tapering portion 2 which is gradually inclined outward toward the bottom of the lamp to a point as at 3, when it is formed with the oblong oval portion 4, providing a broad extending bottom 5 to the lamp. The lamp is further formed with the stem 6 mounted within the same and projecting from the narrow end of the lamp to a point adjacent to and spaced from the bottom of the lamp and preferably formed integral with the glass bulb, said stem 6 being of glass or other suitable non-conducting material. The stem 6 is hollow and closed at its lower end as at 7, and open at its upper end as at 8 for the admission of the current conducting wires which lead through said stem to the filament as hereinafter set forth. The small end of the bulb is provided with a metallic cap 9, suitably secured thereto and by means of which the lamp may be screwed into engagement with a suitable lamp socket. Within the cap 9, is located a filling piece 10

of rubber or other insulating material which is provided with a hole 11 for the passage of one of the conducting wires.

In the construction of this lamp the filament is constructed and arranged as follows: The stem 6 is provided with sets of filament supporting projections secured thereto in any suitable manner and projecting outwardly therefrom, these sets of filament supporting projections being located at intervals apart on said stem, the projections in each set gradually increasing in length from the uppermost set to the set of projections at the lower end of the stem. Four sets of such filament supporting projections are preferably employed, each set consisting of the projections 12, 13, 14 and 15 respectively. The lengths of the filament supporting projections are such that the ends of the projections are spaced sufficiently apart from the sides of the bulb to afford a sufficient space to avoid overheating the bulb. It will be seen that by means of this arrangement of the filament supporting projections sets of projections are provided of gradually increasing length and in stepped arrangement to each other, the oblong, oval, lower end of the bulb permitting of this arrangement and providing an extended horizontal space whereby an extended radiation of light is provided downward to the user of the lamp sitting beneath the same.

16 indicates a current conducting wire electrically connected at one end to the cap 9 and extending down through the stem 6 to a point adjacent to the filament supporting projections 12 and then passing through the stem 6. The other current conducting wire 17 is electrically connected at one end to a contact button 18 on the insulating piece 10 and extends through the hole 11 therein and down through the stem 6 to the lower end thereof. The current conducting wire 16 is connected to the end of one of the filament supporting projections 12 as at 17' with a filament 18 of platinum or other suitable material which extends over and is connected with the ends of the remaining filament supporting projections 12 and then leads to the end of one of the filament supporting projections 13 as at 19 and passes over and is connected to the ends of the remaining filament supporting projections 13 and then leads to the end of one of the filament supporting projections 14 as at 20 and passes over and is connected to the remain-

ing filament supporting projections 14, and then leads to and is connected with one of the filament supporting projections 15 as at 21 and passes over and is connected to the 5 ends of the remaining filament supporting projections 15 and is then electrically connected with the end of the current conducting wire 17 at the lower end of the stem 6.

It will be seen from the foregoing construction that when the lamp is secured to 10 an electric socket and is located in an electric circuit that the incandescent filament arranged as described will afford sets of lights in accordance with the arrangement 15 of the sets of filament supporting projections and that the radiation of light from such sets of lights will be gradually extended in the horizontal plane so as to spread out above the user of the lamp. Moreover owing

to the pyramidal or stepped relation of the 20 sets of filament supporting projections spaced at their ends from the bulb undue heating and cracking of the lamp will be avoided.

Having described the invention: I claim--- 25

An incandescent lamp globe comprising a bulb, a hollow stem depending within said bulb, sets of filament supports on said stem spaced apart from each other and of increased length relative to the set above, and 30 a filament extending from said sets of supports in a pyramidal direction.

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

VAHAN GULESERIAN.

Witnesses:

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