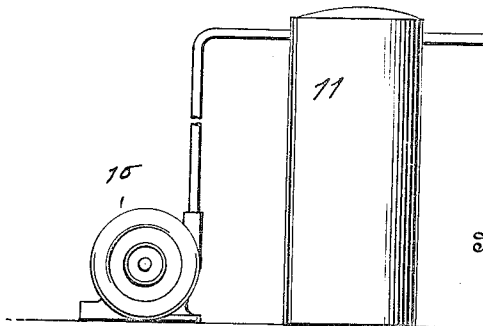
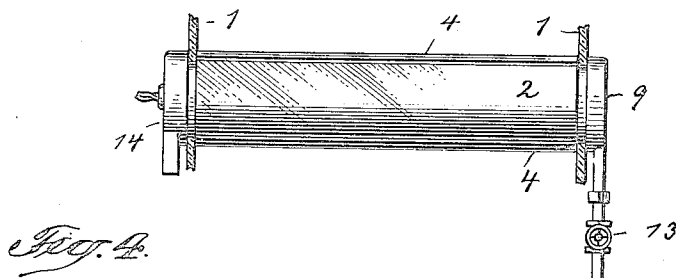
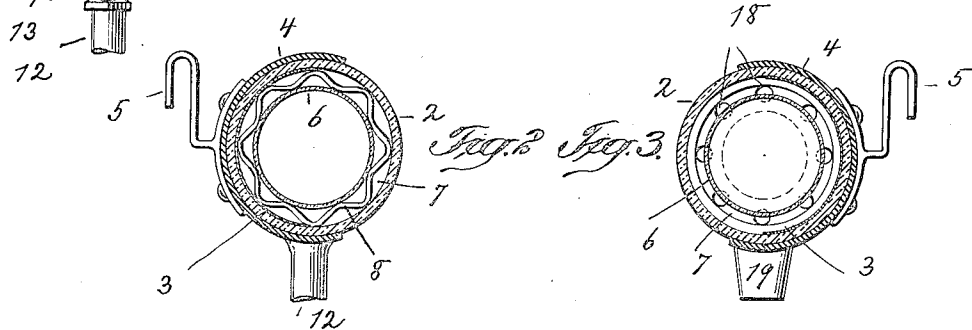
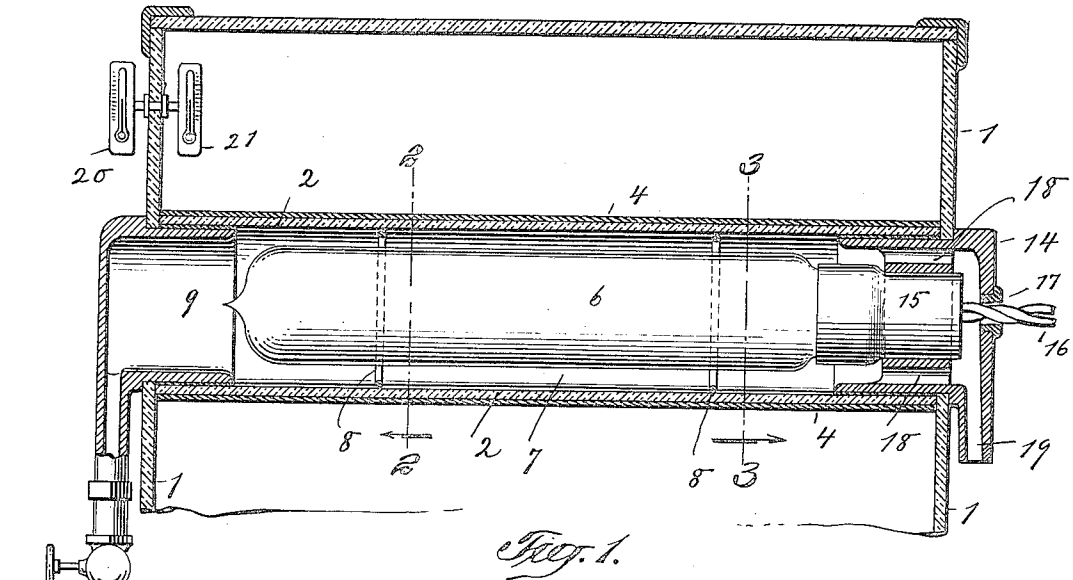


J. F. DOYLE, JR. & M. D. AVILLAR,
SHOW CASE LIGHT.
APPLICATION FILED JAN. 13, 1917.

1,241,098.

Patented Sept. 25, 1917.



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UNITED STATES PATENT OFFICE.

JOHN F. DOYLE, JR., OF GARDEN CITY, AND MANUEL D. AVILLAR, OF NEW YORK, N. Y.

SHOW-CASE LIGHT.

1,241,098.

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To all whom it may concern:

Be it known that we, JOHN F. DOYLE, JR., and MANUEL D. AVILLAR, both citizens of the United States, and residents, respectively, of Garden City, in the county of Nassau and State of New York, and New York city, in the county and State of New York, have invented certain new and useful Improvements in Show-Case Lights, of which the following is a specification.

This invention relates to a show case light of novel construction, which is so constituted that an even temperature between the interior of the show case and the store may be maintained, so that any sweating or tarnishing of the goods displayed within the case may be effectively prevented.

In the accompanying drawing:

Figure 1, is a vertical longitudinal section, partly in elevation of a show case light embodying our invention;

Fig. 2, a cross section on line 2—2 Fig. 1;

Fig. 3, a cross section on line 3—3 Fig. 1, and

Fig. 4, a diagram showing the connection of the light with the compressed air tank.

Across preferably the back of a show case 1, extends a glass tube or transparent container 2, the rear half of which is provided with an inner reflecting surface 3. Tube 2, is incased within a shield 4 preferably made of fiber, and which is open at its front so as to here expose the tube. This shield may carry a number of hooks 5, by means of which the device may be affixed to a suitable support, to prevent sagging. Within tube 2, there is centered an electric light bulb 6, the outer diameter of which is considerably less than the inner diameter of tube 2, so as to form an annular air space 7 therebetween, which completely surrounds the bulb. The means for centering the bulb within the tube, consist preferably of a number of corrugated or open work rings 8, that encircle the bulb but do not obstruct the passage of air along space 7. Into one end of tube 2, enters an air inlet nozzle 9 which fits into a corresponding opening in the side of the show case and faces lamp 6. This nozzle is adapted to receive a charge of compressed air, from an air pump or compressor 10, mounted in the store, and

connected to a compressed air tank 11, that is in turn connected to nozzle 9 by a pipe 12, furnished with a regulating valve 13. Into the other end of tube 2, enters an annular air outlet nozzle 14, that fits into an opening in the opposite side of the show case. Within the central eye of nozzle 14, is accommodated the lamp socket 15, the leading in wires 16 passing outwardly through an insulated aperture 17 of the nozzle. Around the central opening of nozzle 14, are provided a plurality of ducts or ports 18, through which the air may leave space 7, to be returned to the store by means of a nipple 19, with which nozzle 14 is furnished.

A pair of thermometers 20 and 21 mounted on the outside and inside of the show case respectively, permit a comparison of the temperatures between the store and the interior of the show case.

In use, the compressed air from tank 11 will by nozzle 9, be delivered to air space 7, and flow around lamp 6 to be eventually discharged through nozzle 14. This flow of air is regulated by means of valve 13 which should be so set, that the temperatures within and without the case are equalized. In this way the heat emitted from the bulb is neutralized, and the objectionable sweating or tarnishing of the goods, due to the difference in temperatures, and which frequently proves to be extremely annoying, is effectively overcome.

We claim:

1. A show case having a pair of apertured sides combined with a pair of nozzles fitted into said sides, a glass tube engaging the nozzles within the show case, a shield partly encompassing said tube, a light bulb mounted within the tube, and means for sending a current of air through the tube.

2. A show case light comprising a glass tube, an electric light bulb mounted therein, means for admitting compressed air into one end of said tube, and an air outlet nozzle at the other end of the tube, said nozzle being provided with a central opening receiving the lamp socket, and with a plurality of surrounding air outlet ports.

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