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H. L. WHITE

2,473,626

MAGNET FOR ELECTRIC BULBS

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Fig. 1.

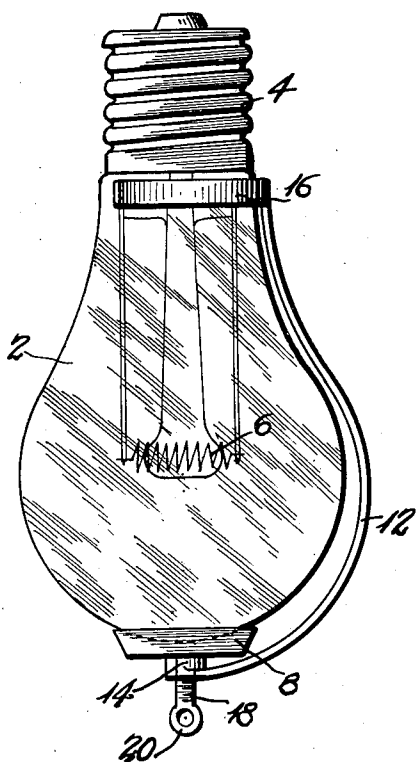


Fig. 2.

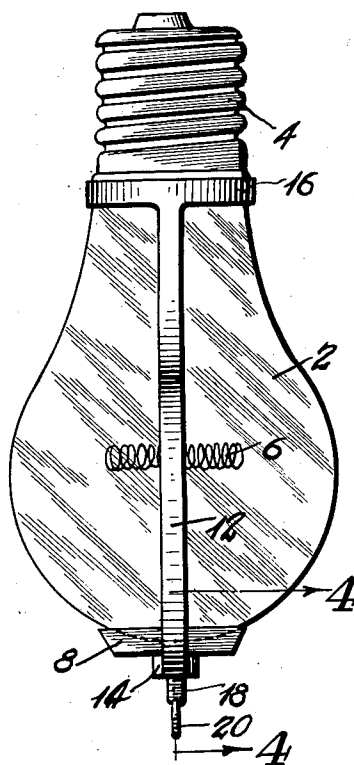


Fig. 3.

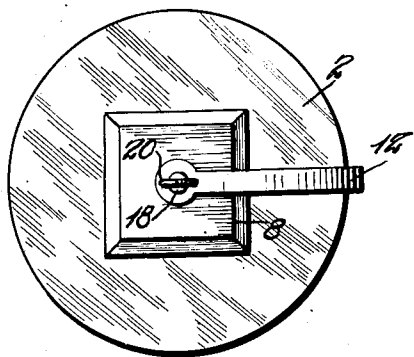
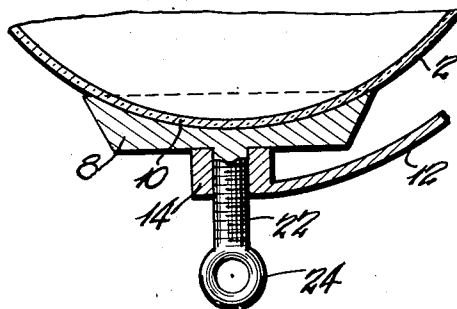


Fig. 4.



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MAGNET FOR ELECTRIC BULBS

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5 Claims. (Cl. 176-16)

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My present invention relates to a magnetic device for electric lamp bulbs and consists in the magnet and the means for applying and holding the magnet on the exterior of an incandescent lamp.

The principal object of my invention is to provide a magnet of sufficient pull to draw toward it any particles of metal as from the filament loose within the glass housing for the lamp. The particles of filament if left to find resting places will cause blackening of the interior of the lamp in spots and will shorten the life of the lamp and impair its efficiency.

In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention according to the best mode I have thus far devised but it will be understood that various changes and alterations may be made in the exemplified structure within the scope of the appended claims.

In the drawings:

Figure 1 is a view of a lamp bulb showing my invention in side elevation.

Figure 2 is a view of the lamp showing my device in front elevation.

Figure 3 is a bottom plan view of the lamp and my invention.

Figure 4 is an enlarged detail view in section taken along line 4-4 of Figure 2.

Referring now to the drawings wherein like numerals indicate like parts, I have illustrated a conventional lamp 2 having a socket 4 and a filament 6 interior of the glass lamp housing.

In order to draw and concentrate in one spot all loose particles of filament or other matter in the lamp, I employ a magnet 8 comprising a square plate having an upper concave surface 10 conforming with the shape of the normal pear-shaped lamp.

This magnet will draw through the conducting glass, all particles in the lamp to the portion of the glass immediately above the magnet.

The magnet is maintained in position by means of the spring arm 12 having a collar 14 at one end and a clasp 16 at the other end. The clasp arms engage the upper portion of the lamp housing, and a screw 18 threadedly engaging the collar and the magnet plate secure the plate and the spring arm in position.

A screw eye is shown on the lower end of the screw 18 as at 20 for the purpose of permitting the support of such ornamental devices as may be desired.

In the structure illustrated in Figure 4 of the drawings I have set forth a slight modification wherein the magnet plate 8 is fashioned with a depending rod integral therewith, the rod passing through the collar 14 of the spring arm 12, and the

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eye 24 on the rod securing the collar between the plate and the eye.

The device of my invention will increase the efficiency of any incandescent lamp by collecting the free particles of filament therein, and once applied to the lamp, the device needs no further attention until the lamp is finally removed.

Having thus fully described by invention what I claim as new and desire to secure by Letters Patent is:

1. A magnet means for use with an incandescent electric lamp having a pear-shaped globe comprising a square shaped magnet having an upper concave surface which is adapted to conform to the shape of and receive the globe, a spring arm having a threaded apertured collar on one end thereof adapted to receive a screw therein, a spring clasp on the other end of said spring arm adapted to encircle the globe so that when the magnet is in place and the screw is tightened to retain the magnet in close contact with the globe the magnet will collect loose filament particles within the globe to prevent discoloration of the globe.

2. Means for attracting to a selected spot on the envelope of an incandescent lamp those magnetic particles thrown off by the filament of the lamp, comprising a magnet adapted to be applied to the outer side of the envelope at the selected spot, and means carrying the magnet and adapted to engage the envelope to hold the magnet in place.

3. The means as in claim 2 wherein, said means comprising a spring embracing a portion of the lamp.

4. The means as in claim 2 wherein, said means comprising a spring embracing a portion of the lamp, an arm carried by the spring, and means carried by the magnet for connecting the magnet to the arm for adjustment in the direction of or away from the spring.

5. The means as in claim 2 wherein, said means comprising a spring clasp having two oppositely diverging curved arms for engaging the upper portion of the lamp, a spring arm depending from said clasp and encircling said lamp, a set screw carried by the lower end of said spring arm and engaging said magnet for adjusting said magnet away from and toward said spring arm.

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REFERENCES CITED

The following references are of record in the file of this patent:

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