The means for detachably securing the shade to the light bulb, which is one of the novel features of this invention, will now be described.

The means generally indicated at 60 comprises a pair of identically shaped substantially rigid wire members or holders 62 and 62' permanently secured to the wire ring 56. One of the wire holder members 62 will be described in detail and appropriately numbered. The other wire member 62', which has the identical shape and construction, will be given the same numbers primed.

The wire member in side elevation is shown in FIG. 2 and starting from the top, the upper opposite ends 66 of the wire member extend vertically and then continue downwardly and inwardly toward each other to form side sections 68 and then are bent inwardly toward each other to form short lower side sections 70. The short lower side sections 70, as viewed in end elevation in FIG. 3, incline outwardly and downwardly from the side sections 68. Continuing from the lower side sections 70 is a connecting section 72 which is of arcuate shape, as best shown in FIG. 4. The connecting section 72 curves outwardly and upwardly of the bottom of the lower side sections 70. The upper ends of the wire members 62 and 64 are suitably welded or brazed to the ring 56.

The two wire members or holders 62 and 62' are secured adjacent each other at their upper ends, as best seen in FIGS. 3 and 4, so that the upper ends 56 and 66' contact each other and then diverge gradually away from each other so that the side sections 68 and 68' of the two wire members form an inverted V-shape formation when viewed in end elevation as in FIG. 3. The two separate lower side sections 70 and 70' diverge further outwardly and the connecting sections 72 and 72' are positioned opposite each other to form a generally oval shaped configuration when viewed in plan as in FIG. 4.

The two wire members or holders 62 and 62' adjacent their lower ends are spread apart so that when the shade unit is adapted to be secured to the lamp bulb it is positioned as in FIG. 2 and moved upwardly into contact with the bulb, so that the two wire holders 62 and 62' are spread apart sufficiently so that the connecting sections 72 and 72', which are the only portions of the holders contacting the bulb, move over the bulb from the bottom upward until they pass upward of the greatest diameter of the bulb and then rest on the upper portion of the bulb adjacent the neck of the bulb, as shown in FIG. 3. At this stage the upper end of the cylindrical shade will be nested within the cover 26, as shown in FIGS. 1 and 3.

This arrangement permits the shade to be readily attached to the light bulb with ease and with a minimum of effort and yet maintains the shade in a securely locked position. It can likewise be removed by moving the shade downwardly so that the holders 62 and 62' spread away from each other as the connecting sections 72 and 72' pass over the greatest diameter of the bulb.

It will be understood that various changes and modifications may be made from the foregoing without departing from the spirit and scope of the appended claim.

What is claimed is:

A shade for attachment to a light bulb which light bulb has a neck portion, said shade comprising a body portion and means for detachably securing said shade to the light bulb at said neck portion, said means comprising a pair of wire holders, each said wire holder having its outer opposite ends attached to the shade, each said wire holder having outer opposite ends which extend vertically and continue downwardly and inwardly in straight lines to form sloping side sections and continue inwardly to form an arcuate shaped connecting section between said side sections, the outer opposite vertical ends of the side sections being adapted to engage the bulb neck portion, the said shade including:

1. A shade body comprising:
   a. A side section having a substantially oval shaped cross sectional profile, said side section including:
      i. A side section having a substantially oval shaped cross sectional profile, said side section including:
         i. A side section having a substantially oval shaped cross sectional profile, said side section including:
            i. A side section having a substantially oval shaped cross sectional profile, said side section including:

2. The means for detachably securing the shade to the light bulb, which is one of the novel features of this invention, will now be described.

The means generally indicated at 60 comprises a pair of identically shaped substantially rigid wire members or holders 62 and 62' permanently secured to the wire ring 56. One of the wire holder members 62 will be described in detail and appropriately numbered. The other wire member 62', which has the identical shape and construction, will be given the same numbers primed.

The wire member in side elevation is shown in FIG. 2 and starting from the top, the upper opposite ends 66 of the wire member extend vertically and then continue downwardly and inwardly toward each other to form side sections 68 and then are bent inwardly toward each other to form short lower side sections 70. The short lower side sections 70, as viewed in end elevation in FIG. 3, incline outwardly and downwardly from the side sections 68. Continuing from the lower side sections 70 is a connecting section 72 which is of arcuate shape, as best shown in FIG. 4. The connecting section 72 curves outwardly and upwardly of the bottom of the lower side sections 70. The upper ends of the wire members 62 and 64 are suitably welded or brazed to the ring 56.

The two wire members or holders 62 and 62' are secured adjacent each other at their upper ends, as best seen in FIGS. 3 and 4, so that the upper ends 56 and 66' contact each other and then diverge gradually away from each other so that the side sections 68 and 68' of the two wire members form an inverted V-shape formation when viewed in end elevation as in FIG. 3. The two separate lower side sections 70 and 70' diverge further outwardly and the connecting sections 72 and 72' are positioned opposite each other to form a generally oval shaped configuration when viewed in plan as in FIG. 4.

The two wire members or holders 62 and 62' adjacent their lower ends are spread apart so that when the shade unit is adapted to be secured to the lamp bulb it is positioned as in FIG. 2 and moved upwardly into contact with the bulb, so that the two wire holders 62 and 62' are spread apart sufficiently so that the connecting sections 72 and 72', which are the only portions of the holders contacting the bulb, move over the bulb from the bottom upward until they pass upward of the greatest diameter of the bulb and then rest on the upper portion of the bulb adjacent the neck of the bulb, as shown in FIG. 3. At this stage the upper end of the cylindrical shade will be nested within the cover 26, as shown in FIGS. 1 and 3.

This arrangement permits the shade to be readily attached to the light bulb with ease and with a minimum of effort and yet maintains the shade in a securely locked position. It can likewise be removed by moving the shade downwardly so that the holders 62 and 62' spread away from each other as the connecting sections 72 and 72' pass over the greatest diameter of the bulb.

It will be understood that various changes and modifications may be made from the foregoing without departing from the spirit and scope of the appended claim.

What is claimed is:

A shade for attachment to a light bulb which light bulb has a neck portion, said shade comprising a body portion and means for detachably securing said shade to the light bulb at said neck portion, said means comprising a pair of wire holders, each said wire holder having its outer opposite ends attached to the shade, each said wire holder having outer opposite ends which extend vertically and continue downwardly and inwardly in straight lines to form sloping side sections and continue inwardly to form an arcuate shaped connecting section between said side sections, the outer opposite vertical ends of the side sections being adapted to engage the bulb neck portion, the said shade including:

1. A shade body comprising:
   a. A side section having a substantially oval shaped cross sectional profile, said side section including:
      i. A side section having a substantially oval shaped cross sectional profile, said side section including:
         i. A side section having a substantially oval shaped cross sectional profile, said side section including:
            i. A side section having a substantially oval shaped cross sectional profile, said side section including:
sections of one holder being secured to the shade and in contact with the outer opposite ends of the side sections of the other holder, with the said side sections diverging gradually away from each other so that when viewed from an end the two side sections of the two holders form an inverted V-shape, said arcuate shaped connecting sections of said pair of holders engaging said light bulb adjacent said neck portion and above the maximum diameter of the light bulb so that said shade is supported by said light bulb.

References Cited by the Examiner

UNITED STATES PATENTS

1,213,293 1/17 Storrs .................. 240—108
1,682,918 2/28 Luckiesh et al. .............. 240—138
2,387,857 10/45 Ross ...................... 240—108

FOREIGN PATENTS

5,305 4/16 Great Britain.

NORTON ANSHER, Primary Examiner.