To all whom it may concern:

Be it known that I, Edward D. Pickering, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Electric-Light-Globe Holder, of which the following is a specification.

The present invention relates to lighting fixtures, and has more particular reference to lamps, globes, and the like.

The object of this invention is to facilitate the removing and replacing of glass globes upon electric light sockets and the like, and to eliminate the use of set screws and other relatively rigid fastening devices at present employed for detachably holding the globes in place.

Another object of the invention is to provide a holder which may be readily attached in any well known manner to the socket of an electric light fixture, and to provide the holder with improved spring supports for engagement with the globe to support it and admit of the free expansion and contraction of the globe without liability of cracking or otherwise damaging the same.

The above, and various other objects and advantages of this invention will be, in part, described, and in part understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawing, wherein:

Figure 1 is a fragmentary vertical sectional view through a lamp socket with a holder and globe applied thereto and embodying the features of this invention.

Fig. 2 is a top plan view of the holder.

Fig. 3 is a fragmentary perspective view of the holder, showing one of the spring clips applied thereto.

Referring to this drawing by numerals, 10 designates an electric lamp socket and 11 designates a globe of any desired configuration, and which has at its upper reduced end an outstanding annular bead 12 with a groove 13 in it, under side.

Fitted to the lower end of the socket 10 is a ferrule 14 of sheet metal or the like which is split in the usual manner and provided with a groove to engage the outstanding bead of the socket 10. A holder 15, formed of a sheet metal plate suitably stamped with an axial opening and a threaded neck 16, the neck 16 engaging the screw threaded portion of the ferrule 14.

The holder 15 has a depending flange 17 forging with the holder a socket adapted to receive therein the upper end of the globe 11 and its bead 12.

Supported upon the holder 15, and arranged at the periphery thereof and spaced apart substantially 120 degrees, are a plurality of spring clips constructed according to this invention for engaging the bead 12 of the globe and retaining the latter in the holder.

Each spring clip is formed of a single length of strap metal having a flat attaching end 18 adapted to lie against the upper surface of the plate 15 and held thereto by overturned lugs 19 stamped from the plate. The end 18 of the clip may be secured to the lugs by welding of the like, or the frictional contact of the parts incident to the turning of the lugs may be relied upon. The end 18 of the strip constitutes the base or supporting end thereof. Adjacent the end 18, the strip is provided with an upwardly and outwardly looped portion 20 and the strip extends down from the loop against the outer side of the flange 17 and is curved inwardly beneath the flange, and extends beyond the same where the strip is turned up to a slight extent to form a hook 21 adapted to engage beneath the bead 12 and in the groove 13.

The strip is curved downward and outward from the bill of the hook 21 to form a releasing finger 22 which is preferably curved sufficiently outward to space the finger from the globe when the latter is in place and to bear against the bead 12 as the globe is forced upward into the holder. The lower extremity of the strip is preferably overturned to form a smooth end to the finger. The strip is of resilient metal and of sufficient strength to support the globe.

In applying the globe to the holder it is only necessary to force the globe upward against the fingers 22 of the clips. The fingers are sprung outward by virtue of the spring loops 20, and the bills of the hooks 21 ride over the bead 12 and admit the same beneath the flange 17. As soon as the bead 12 is in place the spring clips snap into normal position with the hooks 21 engaging about the bead 12 and in the groove 13 thereof. By providing the groove the hooks 21 are held from springing outward under the weight of the globe 11 and expansion or irregularities in the thickness of the globes.
of the bead 12 is taken up by the loops 20 without injury to the parts.

To release the globe it is only necessary to spring the fingers 22 outward from one or more sides of the globe for removing the loops 21 from interlocking engagement with the bead 12. The globe 11 is now free to drop from the holder. The depending straight portions of the clips which bear against the outer side of the flange 17 serve as means for retaining the hooks 21 in proper position and for holding the fingers 22 in position to receive the bead 12 thereagain when the globe is forced into the holder.

What is claimed is:

1. In an electric light globe holder, the combination of a plate provided with a central socket receiving opening, and a flange surrounding said opening, said flange provided with threads for connecting the plates to a light socket, a depending flange formed about the outer edge of said plate, a globe having an annular bead adapted to fit in the flange, said bead provided with an undercut groove, and spring clips carried by the plate for detachably holding the globe in place, each of said strips provided with flat portions lying in facial abutment with said plate, the ends of said flat portions being bent and extending through the plate, and tongues struck from the plate and engaging over said flat portions one upon each side, for coaction with said angled end to securely anchor the spring clips to said plate.

2. In an electric light globe holder, the combination of a plate provided with a central socket, receiving opening, and a flange surrounding said opening, said flange provided with threads for connecting the plates to a light socket, a depending flange formed about the outer edge of said plate, a globe having an annular bead adapted to fit in the flange, said bead provided with an undercut groove, and spring clips carried by the plate for detachably holding the globe in place, each of said strips provided with flat portions lying in facial abutment with said plate, the ends of said flat portions being bent and extending through the plate, and tongues struck from the plate and engaging over said flat portions one upon each side, for coaction with said angled end to securely anchor the spring clips to said plate.

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