

J. S. CROSSLEY.  
 SECURING MEANS FOR ELECTRIC LAMP SOCKETS AND THE LIKE.  
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971,976.

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Fig. 1.

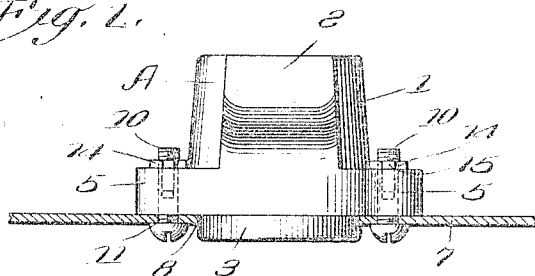


Fig. 2.

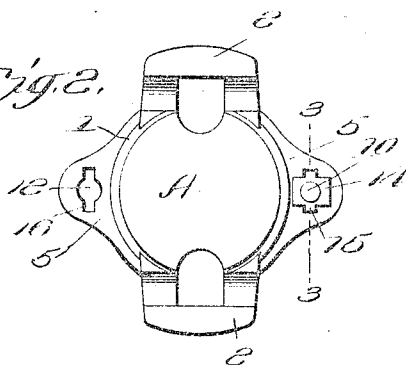


Fig. 3.

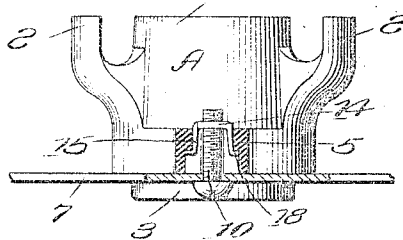


Fig. 4.

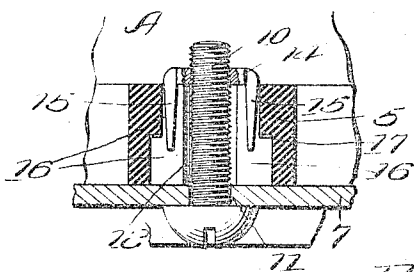


Fig. 5.

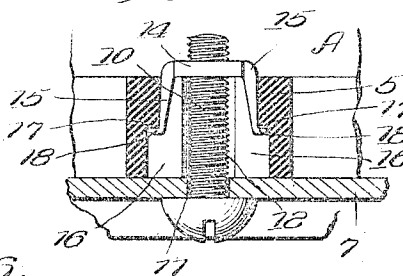
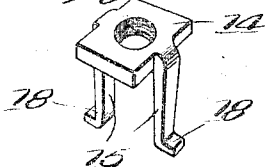


Fig. 6.



Witnesses:  
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Inventor  
 James S. Crossley.  
 By his Attorney  
 Alfred W. Winkler

# UNITED STATES PATENT OFFICE.

JAMES S. CROSSLEY, OF SOLVAY, NEW YORK, ASSIGNOR TO PASE & SEYMOUR, INC., OF SOLVAY, NEW YORK, A CORPORATION.

SECURING MEANS FOR ELECTRIC-LAMP SOCKETS AND THE LIKE.

971,976.

Specification of Letters Patent.

Patented Oct. 4, 1910.

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*To all whom it may concern:*

Be it known that I, JAMES S. CROSSLEY, a citizen of the United States, residing at Solvay, in the county of Onondaga and State of New York, have invented new and useful Improvements in Securing Means for Electric-Lamp Sockets and the Like, of which the following is a specification.

My invention relates to a securing means for electric lamp sockets and the like provided with porcelain bodies having particular employment in the attachment of such articles to signs, the object thereof being to provide a securing means which may be permanently attached to the porcelain bodies in a convenient and economical manner with the minimum liability of accidental detachment of the parts.

It will be understood that in articles of this class it is commercially essential that the securing parts be so initially secured in position on the porcelain bodies that the screw or threaded bolt, as is ordinarily employed in attaching these articles to signs, will engage such securing part connecting therewith merely upon manipulation of the screw. Ordinarily this securing part is a securing nut of rectangular form and retained in a recess in the body by a suitable cement. Cement however when so employed has proven to be susceptible to cracking and loosening during the repeated and none too careful handling which the articles are subjected to under ordinary conditions permitting the nuts to fall out, get lost, and other inconveniences which are especially objectionable when handled in large quantities.

My invention consists in the employment of a special peculiarly formed securing nut provided with extensions adapted to engage shoulders formed on the porcelain body in such manner that it will be permanently secured to the body without the employment of cement, successfully overcoming the disadvantages thereof.

In the accompanying drawing my invention is shown employed to secure a lamp socket to a metal sign plate and the reference numerals of the description indicate corresponding parts in all the figures thereof.

Figure 1 is an elevation illustrating my invention employed to attach a socket to a metal plate. Fig. 2 is a bottom plan view of a socket showing the manner in which

my invention is secured thereto. Fig. 3 is a side elevation at right angles to Fig. 1 showing the socket partially in sections taken on line 3—3 of Fig. 2. Figs. 4 and 5 are enlarged detail views of a portion of Fig. 3 showing the securing nut in position for attachment and as attached to the socket. Fig. 6 is a perspective view of my peculiarly formed securing nut.

In the figures my invention is shown in connection with an electric lamp socket A having the body portion 1 of porcelain provided with oppositely arranged supporting legs 2—2 and the insulating shoulder 3. On the body portion are also provided the opposite integral side extensions or lugs 5—5 to be engaged by the metal plate 7 of the sign or other apparatus to which the socket is to be secured: the plate being apertured at 8 as best shown in Fig. 1 to accommodate the shoulder 3 projecting therethrough. To attach the socket to the plate when the plate and lugs are in position of engagement the screw or threaded bolts 10 are fitted to pass through the plate, apertures 11 being provided therefor, and through the lug apertures 12 into engagement with the securing part which is an essential feature of my invention. This securing means consists of the internally threaded nut 14 adapted to rest on the upper surface of the lug to be engaged by the screw 10 as best shown in Figs. 4 and 5 whereby the socket is securely attached to the plate.

It being essential, as aforesaid, that the securing part be permanently secured in position on the socket, for this purpose the nuts 14 are provided with the integral extensions 15—15 which afford a simple holding means therefor that may be easily formed in the stamping operation. As best shown in Figs. 4 and 5 the securing is accomplished by the outwardly bending of the extension tips, to engage suitable projections or shoulders formed on the socket, in such manner that they are held from withdrawal. Two of these extensions are preferably provided, oppositely arranged and bent downwardly into the lug recess which is formed as best shown in Figs. 2, 4 and 5 to receive them; the recess being provided with side enlargements 16 for the accommodation of the extensions which are preferably larger at the bottom thus conveniently forming the shoulders 17—17 to be engaged

by the bent over extension tips 18—18 and furthermore permitting the insertion of a suitable tool for so bending over the tips.

I have thus provided a securing means 5 which may be easily and economically stamped as an integrality and by the employment of which, electrical sockets and like articles may be securely clamped to the plates of signs etc. merely upon insertion 10 of the screw the engaging part therefor being securely held in position upon the socket, being independently clamped to the socket in a permanent and secure manner, insuring against accidental detachment and 15 the accruing inconveniences therefrom.

Having described my invention, what I claim is:—

1. A securing means for electric lamp sockets and the like comprising a securing 20 bolt and an engaging nut therefor provided with opposite integral downward extensions having their tips outwardly bent to clamp the nut in position on the body.

2. The combination with a porcelain body 25 and a securing means therefor, said securing means comprising a bolt and an engaging nut for the bolt provided with finger-like extensions depending therefrom and said body being recessed to receive said bolt 30 and extensions, said recess being enlarged to form shoulders to be engaged by the extension tips and to give access to bend over the tips permanently to clamp the nut on the body.

35 3. In a securing means for devices of the character described, a nut adapted to be se-

cured in position on a wall of the device, said nut having integral portions at one end to engage with one surface of the wall, tips 40 extending substantially at a right angle to said portions to engage with opposite surfaces on the wall and a screw threaded hole in the nut between the extensions.

4. A securing means for devices of the 45 character described, consisting of a securing bolt and of a nut; said nut consisting of a flat body having a threaded aperture to receive the bolt, opposite portions on the body to engage with one surface of the wall of the device to which the nut is applied, 50 and opposite downward extensions on the body having tips bent to engage with an opposing surface of the wall.

5. In a securing means for electrical de- 55 vices, a nut adapted to be applied to a perforated lug on such a device, said nut being of sheet metal and having a flat main portion larger than the perforation to engage with one side of the lug and having oppo- 60 site extensions downwardly extending at a right angle to the main portion into the perforation, said extensions having tips bent outwardly to engage with shoulders in the perforations and said main portion having 65 a central threaded hole to receive a bolt.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES S. CROSSLEY.

Witnesses:

B. E. SALISBURY,  
W. BREWSTER HALL.