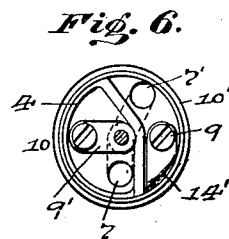
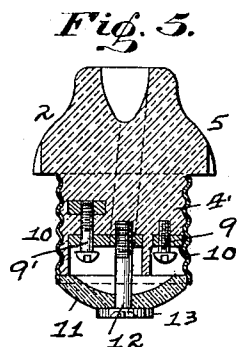
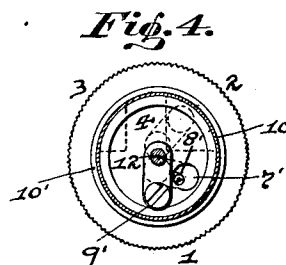
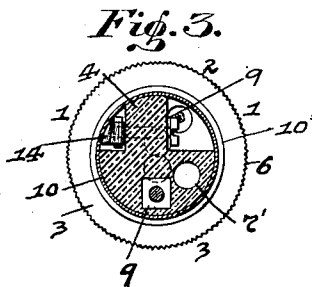
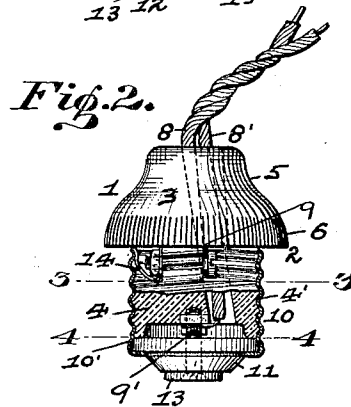
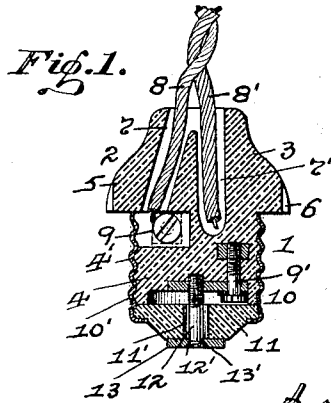


No. 837,182.

PATENTED NOV. 27, 1906.

D. E. BOWN.
ATTACHMENT PLUG FOR ELECTRIC LIGHTING.

APPLICATION FILED AUG. 14, 1905.



WITNESSES

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UNITED STATES PATENT OFFICE.

DAVID E. BOWN, OF PITTSBURG, PENNSYLVANIA.

ATTACHMENT-PLUG FOR ELECTRIC LIGHTING.

No. 837,182.

Specification of Letters Patent.

Patented Nov. 27, 1906.

Application filed August 14, 1905. Serial No. 274,019.

To all whom it may concern:

Be it known that I, DAVID E. BOWN, a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Attachment-Plugs for Electric Lighting; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to attachment-plugs, and has special reference to such plugs as are used in electric lighting.

The object of my invention is to provide an attachment-plug for the sockets of incandescent lamps in electric lighting which will be cheap and simple in its construction, will contain few parts, and will be capable of being manufactured easily and assembled conveniently and rapidly.

To these ends my invention consists, generally stated, in the novel arrangement, construction, and combination of parts, as hereinafter more specifically set forth and described, and particularly pointed out in the claims.

To enable others skilled in the art to which my invention appertains to construct and use my improved attachment-plug, I will describe the same more fully, referring to the accompanying drawings, in which—

Figure 1 is a longitudinal central section of my improved attachment-plug. Fig. 2 is a side view of the same and showing a portion thereof in section. Fig. 3 is a cross-section on the line 3 3, Fig. 2. Fig. 4 is a cross-section on the line 4 4, Fig. 3. Figs. 5 and 6 are views showing another form of my improved plug.

Like symbols of reference herein indicate like parts in each of the figures of the drawings.

As illustrated in the drawings, 1 represents my improved attachment-plug, which is provided with the body portion 2, preferably formed of porcelain, and such body portion has the head 3 and shank 4 formed thereon. The head 3 is formed integral and solid with the shank 4 and is provided with the curved outer face 5 and serrated edge 6 on said face, while leading through said head into the shank 4 of the body portion 2 are the openings or passage-ways 7 7' for the passing of the wires 8 8' through the same, which are connected at their ends within said shank to the terminals 9 9', respectively, therein.

Fitting around the shank 4 of the body portion 2 is the screw-cap 10, which is usually formed of brass or copper and engages with

the screw-threads 4', formed on the outer face of said shank by its threaded body 10'. This screw-cap 10 carries the cap-plate 11, which is preferably formed of porcelain and has an opening 11' formed through the same, through which a contact-pin 12 is adapted to pass and be screwed into the terminal 9', while the head 12' of said pin fits within a countersunk hole 13', formed in a contact-plate 13, which is held against said cap-plate by said pin and is adapted to engage with the contact-point of the incandescent-lamp socket. (Not shown.) The inner end of the threaded body 10' on the screw-cap 10 when in place engages with a spring-plate 14, connected to the terminal 9, and such threaded body is adapted to engage and form contact with the usual threaded lamp-socket when in place in the lamps. If desired, the threaded cap 10 can be permanently secured to the body portion 2 by making indentations in the threaded body 10' of said cap and also by soldering the terminal 9 to said body 10, as shown at 14' in Fig. 6, thereby doing away with the spring-plate 14, and in this case the cap-plate 11 is removably held in place in the body 10' by the screw or contact-pin 12. It will thus be seen that my improved attachment-plug is of such a construction that it will do away with a number of parts usually employed in this class of plugs, thereby greatly cheapening the cost of manufacture of the same and saving time in the assembling thereof. The use of the integral or solid head enables quicker and firmer connections to be made by going into the bottom of the plug, and this will prevent any wire from coming in contact with another, as with connections or terminals at the top there was always great liability of the wires becoming loose, which would form a short circuit, and thereby cause a fire. It will also be seen that in the use of caps for the passing of the wires they were liable to pull off the plug and hang down, which is hereby avoided, and in this device there is no liability of any of the parts becoming loose or dropping off the plug.

Various modifications and changes in the design and construction of my improved attachment-plug may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. An attachment-plug comprising a body portion having a shank, a screw-cap connect-

ed to said shank, and a cap-plate on said cap and removably connected to said shank.

2. An attachment-plug comprising a body portion having a shank, a screw-cap connected to said shank, a cap-plate on said cap, and means engaging with said shank for removably holding said cap in place.

3. An attachment-plug comprising a body portion having a shank, a cap connected to said shank, a cap-plate on said cap and having an opening therein, and a contact-pin passing through said opening and engaging with said shank.

4. An attachment-plug for lamp-sockets

comprising a body portion having a shank, a cap connected to said shank, a removable cap-plate on said cap and having an opening therein, and a contact-pin passing through said opening and connecting with said shank for engaging with the contact-point of the lamp-socket and for holding said plate in place.

In testimony whereof I, the said DAVID E. BOWN, have hereunto set my hand.

DAVID E. BOWN.

Witnesses:

J. N. COOKE,

JAMES L. WEHN.