

1,009,120.

FIG-1-

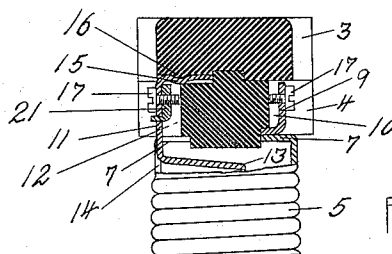


FIG. 2.

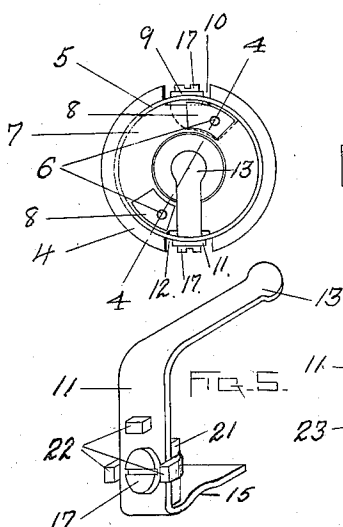


FIG 3

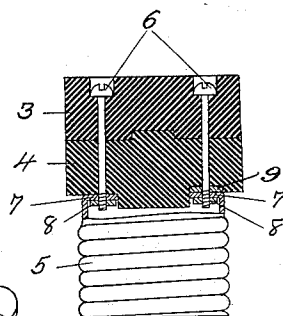


Fig. 4.

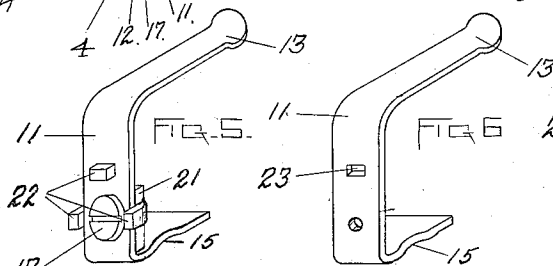


FIG. 5.

FIG 6

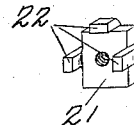


FIG-7-

INVENTOR
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UNITED STATES PATENT OFFICE.

AUGUST WEBER, SR., OF SCHENECTADY, NEW YORK, ASSIGNOR TO WEBER ELECTRIC COMPANY, OF SCHENECTADY, NEW YORK, A CORPORATION OF NEW YORK.

INCANDESCENT-ELECTRIC-LAMP SOCKET.

1,009,120.

Specification of Letters Patent.

Patented Nov. 21, 1911.

Application filed October 1, 1906. Serial No. 336,842.

To all whom it may concern:

Be it known that I, AUGUST WEBER, Sr., a citizen of the United States, residing at Schenectady, county of Schenectady, and State of New York, have invented certain new and useful Improvements in Incandescent-Electric-Lamp Sockets, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification. Similar characters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a view in side elevation of my improved incandescent electric lamp-socket without the inclosing case which forms no part of the present invention. Fig. 2 is a vertical cross-section of the same taken on the broken line 2—2 in Fig. 1. Fig. 3 is a bottom plan view of the same as shown in Fig. 1. Fig. 4 is a vertical cross-section of the same taken on the broken line 4—4 in Fig. 3. Fig. 5 is a detached view in perspective of a terminal plate, screw and nut. Fig. 6 is a similar view of the terminal plate alone. Fig. 7 is a view of the nut alone. The last three figures are drawn on a relatively large scale.

My invention relates more particularly to the class of keyless incandescent electric lamp sockets, although it may be employed in key sockets, if desired.

The principal object of the invention is to simplify the assembling and connecting together of certain parts of the interior of the lamp-socket.

Other objects of the invention will appear in connection with the following description.

The interior of my improved lamp-socket has a two-piece insulating base comprising the washers, 3 and 4, formed of porcelain, or other insulating material, upon which is mounted the usual screw-shell, 5, the two washers and screw-shell being all securely held together by a pair of screws, 6, each inserted through aligned apertures in the two porcelain blocks or washers and the introverted end-flange, 7, of the screw-shell and the nut, 8, engageable with said introverted flange. The screw-shell, 5, is adapted to

be connected with one side of the electric circuit by means of a terminal plate, 9, the body of which is located in a peripheral recess, 10, formed in the insulating base, and the shank of which is interposed between the end-flange of the screw-shell and the porcelain block, 4, said shank being apertured to receive the screw, 6, whereby said plate is secured rigidly in position when the parts are clamped together by said screw. The block, 4, is properly recessed on its outer face to receive said terminal plate. A second terminal plate, 11, adapted to be connected with the other side of the circuit is located in the peripheral recess, 12, in the porcelain base, with the contact end, 13, of said member projecting through an aperture, 14, formed by cutting away a portion of the screw-shell, 5, and being adapted to form a contact for the central lamp terminal. The shank of the plate, 11, is bent approximately at right angles to the body of the plate and is provided with a transverse recess or groove, 15, formed by a bend in the sheet metal of which the plate is formed, which groove is adapted to receive a projection in the form of a rib, 16, formed on the inner face of the porcelain block, 3, said shank being inserted between the two porcelain blocks of the base and clamped tightly therebetween by means of the screws 6. Each of the terminal plates, 9 and 11, is provided with a binding screw, 17, whereby a circuit wire may be connected therewith.

It is desirable where a binding-screw is used for connecting a circuit wire to a terminal plate to provide means for confining the strands of the wire within proper and safe limits.

In constructing the terminal plate, 11, I employ a comparatively thin, but strong and resilient, sheet-metal, and insert a binding-screw, 17, through an aperture therein into a nut, 21, applied to the back of said plate. This nut, 21, is preferably formed with fingers or lugs, 22, adapted to embrace said plate and project outwardly beyond the same a sufficient distance to confine between them any strands of the circuit-wire not covered by the head of the binding-screw. A third finger or lug, 22, on the nut is adapted to be inserted through an aperture, 23, in the body of the plate, 11, and be slightly headed down or riveted to con-

nect said nut and plate together. This third
lug or finger, 22, may, however, be left pro-
jecting a sufficient distance outwardly from
the body of the terminal plate to cooperate
5 with the other fingers or lugs, 22, to confine
the strands of the wire.

What I claim as new and desire to secure
by Letters Patent is—

1. In an incandescent electric lamp-socket,
10 and in combination, an insulating-base; a
screw-shell having an introverted end-flange
mounted upon said base; a terminal-plate
having a shank interposed between said in-
sulating-base and the flange on said shell,
15 and having means for connecting therewith
a circuit-wire; and a screw and nut adapted
to engage, one the porcelain-base and the
other said end-flange on the shell, said screw
passing through alined apertures in said
20 flange, insulating-base, and the shank of said
terminal-plate.

2. In an incandescent electric lamp-socket,
and in combination, an insulating-base com-
prising a pair of blocks of insulating ma-
terial; a screw-shell having an introverted 25
end-flange mounted upon the outer base-
member; a terminal-plate having a shank
located between said flange and said outer
base-member in a recess in the surface of the
latter; and a screw and nut adapted to en- 30
gage, one the inner base-member and the
other said flange, said screw passing through
alined apertures in said flange, both of said
base-members, and the shank of said termi-
35 nal-plate.

In testimony whereof, I have hereunto set
my hand this 26th day of September, 1906.

AUGUST WEBER, SR.

Witnesses:

E. M. O'REILLY,
J. DONSBACH.