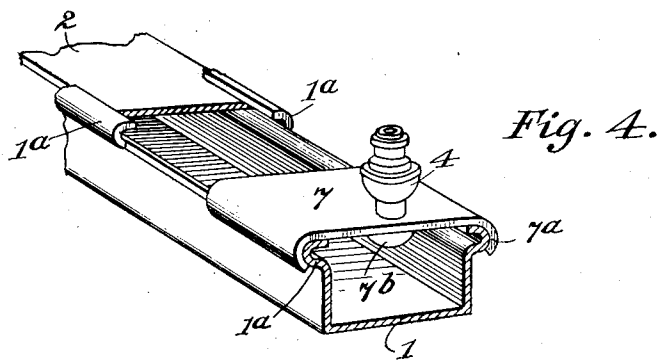
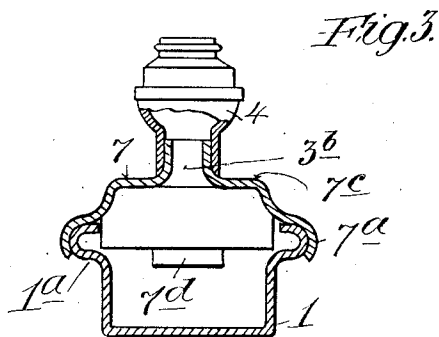
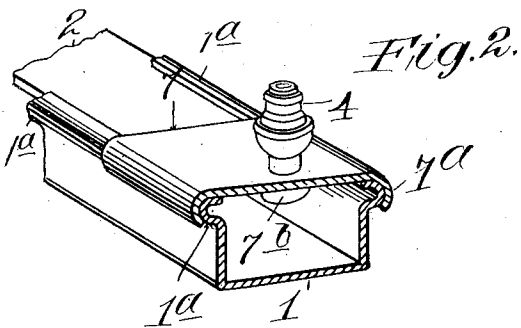
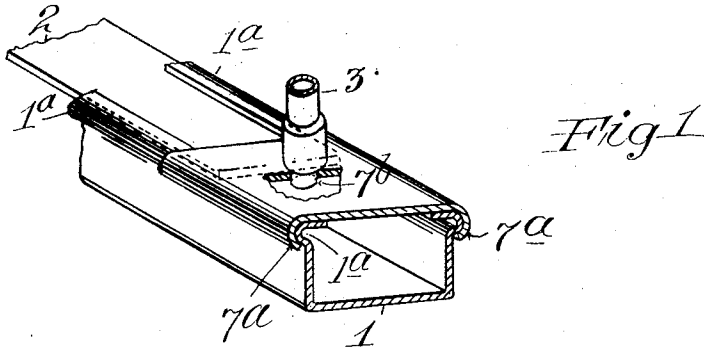


G. A. LUTZ.
 MEANS FOR SUPPORTING ELECTRIC DEVICES.
 APPLICATION FILED JAN. 5, 1910.

1,106,103.

Patented Aug. 4, 1914.



Witnesses:
 W. H. Benjamin
 Marie I. Fairright

Inventor
 George C. Lutz
 By J. F. Bourne Attorney

UNITED STATES PATENT OFFICE.

GEORGE A. LUTZ, OF PLAINFIELD, NEW JERSEY.

MEANS FOR SUPPORTING ELECTRIC DEVICES.

1,106,103.

Specification of Letters Patent.

Patented Aug. 4, 1914.

Original application filed April 13, 1906, Serial No. 311,477. Divided and this application filed January 5, 1910. Serial No. 536,472.

To all whom it may concern:

Be it known that I, GEORGE A. LUTZ, a citizen of the United States, and resident of Plainfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Means for Supporting Electric Devices, of which the following is a specification.

This application is a division of my application for improvements in means for supporting electric devices, filed April 13, 1906, Serial No. 311,477.

The object of the invention is to permit an electric lamp or other device to be readily applied to and removed from a conduit and to be supported thereby.

The invention comprises novel details of improvement and combinations of parts that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming part hereof, wherein,

Figure 1 is a sectional perspective view illustrating my improvements upon a conduit. Fig. 2 is a similar view illustrating the direct connection of a lamp with the foot 7. Fig. 3 is a cross section illustrating the plate or foot 7 provided with means to accommodate wrapping on conductors, and Fig. 4 is a view similar to Fig. 2, illustrating a modification.

Similar numerals of reference indicate corresponding parts in the several views.

The numeral 1 indicates a conduit, adapted to receive electrical wires, and it is shown provided with a duct or channel for the wires, and having opposed grooves 1^a to receive covers 2.

At 3 is an arm or support for an electric lamp, to which the fixture for the lamp may be connected in well known manner. Said arm is shown in tubular form for the passage of wires to the terminals of the lamp.

The conduit 1 may be secured to a wall or other support in suitable manner. Arm 3 is to be supported in line with the open side of the channel in the conduit, so that the wires and conduit can be passed through the arm. Arm 3 is shown secured to a plate or foot 7, which foot is shown provided with inwardly curved ends 7^a, corresponding to the shape of the exterior adjacent portion of the conduit, such as the webs forming grooves 1^a; the foot being so proportioned to the conduit as to grip the same firmly, to

thereby be supported upon the conduit. The foot may be so made that its end portions 7^a can be sprung over the webs or sides of the conduit to apply it to the latter, or the foot may be applied by cutting away portions of the webs or sides of the conduit. To prevent the covers from being pushed into contact with wires that pass through arm 3 an abutment is provided to be engaged by the covers.

In Fig. 1 the abutment 7^b is shown as formed by the downwardly projecting end of the arm or tube 3 into the space in line with the covers. But the abutment can be formed in any suitable manner.

As shown in Fig. 2 the lamp socket portion 4 may be connected directly to foot 7 without the interposed extended arm 3. The walls of the conduit may be pressed inwardly to facilitate connection of foot 7 therewith.

In Fig. 3 the foot 7 is shown provided with a tubular extension 3^b for the lamp socket 4, which may be formed by drawing the metal of the foot into tubular form so that the parts 7 and 3^b will be integral, the lamp socket being attached to part 3^b. The part 3^b may be so provided on either of the parts 7 shown in the other figures. The abutment or lug 7^b may be applied to foot 7 as indicated in Fig. 2, or may be formed on the ends of part 7 as at 7^a in Fig. 3, but said lugs may be omitted according to requirements.

In cases where the conductors within the conduits are to be joined to branches that pass through the parts 3^a or 3^b and an insulating wrapping is wound at the joint of the conductors, it thereby produces an enlargement on the conductors which might be too crowded within the conduit under the flat foot or plate 7. The latter may be bent upwardly or raised from the plane of the conduit or covers 2, as at 7^c in Fig. 3, whereby a deeper channel is provided adjacent the fixture or arm attached to foot 7, to accommodate the wrapping in accordance with the size of the conductor adjacent the foot. Such enlargement of foot 7 may be made upon any of such feet shown in the drawing.

While I have shown my improvements as applied in connection with conduits having grooves at the edges providing outwardly extending webs, it will be understood that

the same may be used with channel-like conduits having removable covers of any well-known or desired character.

My improvements will be particularly
5 useful in show windows of stores, and in
show cases, where the conduits are exposed
and placed vertically or in other desired po-
sitions, and the covers 2 may be made of
flexible material to facilitate their connec-
10 tion with the conduit, or may be of any
suitable character attached to the conduit
in any desired manner, and such covers can
be readily attached on opposite sides of the
electric fixture to be applied to the conduit,
15 whereby the wires contained in the conduit
may be concealed and protected and ready
access to them can be had.

While I have shown an electric lamp con-
nected with the conduit it will be understood
20 that any suitable electric device can be sub-
stituted for said lamp.

I do not limit my invention to the pre-
cise form of the parts shown and described,
as they may be varied without departing
25 from the spirit thereof.

Having now described my invention what
I claim is:—

1. The combination of a conduit having
detachable covers, with a foot fitted between
30 said covers and provided with means on op-
posite sides to spring on the sides of the
conduit to clamp the foot thereon, and
means to support an electric device upon

said foot, the foot having an opening for the
passage of a conductor on the side opposite 35
its clamping means.

2. The combination of a conduit, with a
foot, having spring acting portions for sup-
porting the foot with respect to the conduit,
said foot having a hollow and tubular por- 40
tion raised above the plane of the conduit,
and means connected with said foot for sup-
porting an electric device on the outer por-
tion of the foot beyond the conduit.

3. The combination of a conduit provided 45
with webs, with a foot having spring-acting
portions on opposite sides to clamp on said
webs to support said foot upon said webs,
said foot having a tubular portion raised
above the plane of the conduit, and means 50
for connecting an electric device with said
tubular portion of said foot.

4. A cap for inclosing the junction of
branch conductors with conductors inclosed
in a conduit, consisting of a tubular portion 55
and with resilient gripping portions on op-
posite sides of the tubular portion to clamp
the cap in position on the conduit.

Signed at New York city, in the county of
New York, and State of New York, this 3rd 60
day of January A. D. 1910.

GEORGE A. LUTZ.

Witnesses:

T. F. BOURNE,

MARIE F. WAINWRIGHT.