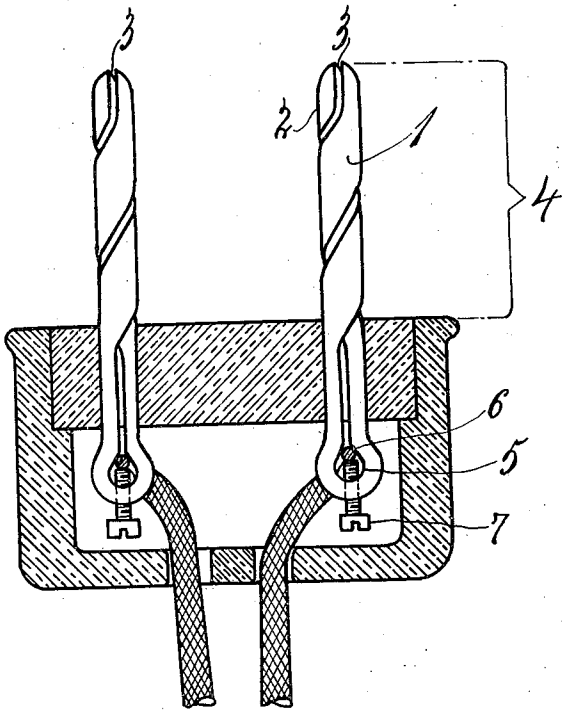
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E. MEIER

PLUG PIN

Filed Jan. 3, 1924



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UNITED STATES PATENT OFFICE.

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PLUG PIN.

Application filed January 3, 1924. Serial No. 684,189.

To all whom it may concern:

Be it known that I, ERLING MEIER, a subject of the King of Norway, residing at Carl Johansgate 43, Christiania, Norway, have invented certain new and useful Improvements in Plug Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The present invention has for its object an improved plug pin of the kind which is generally used for ordinary two-pin plugs for wall sockets and the like; but obviously the pin according to the present invention can also be used for one-pin plugs and plugs with more than two pins.

A plug pin of the usual type comprises an axially slotted pin. These pins have the drawback that the two parts of the slotted pin are liable to be pressed together, and as the material of which these pins have to be made is not very resilient, this pressing together of the two parts of the pin causes the pins to fit loosely in the socket sleeves, thus giving insufficient contact and causes the formation of arcs which corrode the contact surfaces.

This drawback is avoided according to the present invention by forming the contact pin of two members which are wound helically about each other with a pitch approximately equal to the length of the pin and with a certain play between the windings.

Owing to this construction the two parts of the pin will be removed from each other at the middle when they are pressed together at the top, and the pressure exerted at the middle of the pin when the pins are completely introduced into their sockets will tend to enlarge the play between the parts at the top.

The pin according to the present invention further has the advantage of being resilient in all directions, which is a feature of great importance in case the pins have to be mounted exactly in parallelism.

On the drawing is illustrated a plug provided with pins in accordance with the present invention.

The two parts 1 and 2 of the contact pin are helically wound about each other with a certain play as indicated at 3 and with a pitch approximately equal to the length 4 of the contact pin.

It is preferred to make the pin of one piece of metal rod bent in the form of a splint, the eye 5 of the splint serving to fasten the connecting wire 6 by means of screw 7.

The invention is, however, not limited to this particular form of pin, as the pin according to the present invention may also be manufactured from a solid rod which is split axially to a certain length and the two parts of which are then wound about each other in the way illustrated.

As it will be seen the two parts 1 and 2 of the pin, if pressed together at their free end, will be removed from each other at the middle, and if pressed together at the middle, will be removed from each other at their free end.

Claims:—

1. A plug pin comprising two members wound helically about each other with a certain play and with a pitch approximately equal to the free length of the plug pin.

2. A plug pin comprising a rod bent at the middle in the form of a splint and having its two ends helically wound about each other with a certain play and with a pitch approximately equal to the free length of the plug pin.

In testimony that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

ERLING MEIER.

Witnesses:

MAGNUS BUGGE,

GULBORG GULBRANDSEN.