

A. VON POST.
ELECTRICAL COUPLING.

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1,329,448.

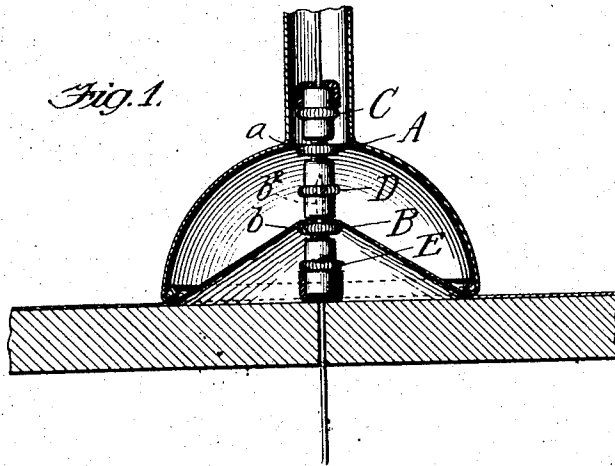


Fig. 2.

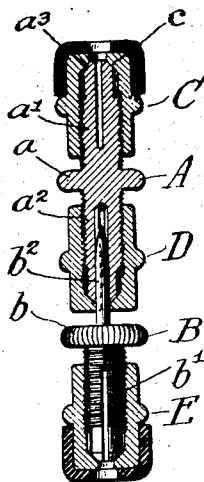


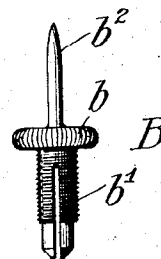
Fig. 3.



Fig. 4.



Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

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ELECTRICAL COUPLING.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADOLF VON POST, a subject of the King of Sweden, residing at London, England, have invented certain new and useful Improvements in Electrical Couplings, of which the following is a specification.

My invention relates to electrical couplings for use in connection with household electrical appliances, such for example as lamps, cooking utensils or other articles commonly employed on tables. The chief object I have in view is to avoid the unsightly appearance of cords overlying the table covering. My invention provides a form of coupling whose members can be placed above and below the table covering immediately beneath or adjacent to the electrical appliance resting upon the table, an electrical connection between which members can be established without damage to the table covering. My coupling is furthermore of such a character that wires can be attached to its members most expeditiously, and the electrical union between the members can be effected by extremely simple manipulation.

In the drawings which accompany and form part of this specification I have illustrated a preferred form of embodiment of my invention and a simple application of it. Figure 1 represents a portion of a table top with a covering upon it, and the coupling of my invention serving to establish electrical connection from any suitable source of current-supply to a lamp resting upon the table; Fig. 2 shows the coupler in longitudinal section; Fig. 3 shows one of its parts in similar section and Figs. 4 and 5 show other parts in elevation.

My coupling as here illustrated comprises five parts. There is a double ended member A comprising a central disk a and oppositely projecting split sockets a' and a'' . Each of these sockets is screw-threaded on the exterior from the disk a for about two-thirds of its length. Thence the socket is smooth on its exterior and of a reduced diameter and it terminates in a conical end-portion a^3 . Another member B of the coupling comprises a disk b , and split socket b' on one side thereof having the same construction as the sockets of the member A,

and a pin or needle-like projection b^2 on the opposite side of said head, tapered at its end to a sharp point.

In connection with the above described two main members of my coupling, I employ three clamping sleeves which screw upon the respective split sockets. The central one of these sleeves, designated C, is interiorly screw-threaded to engage the socket a' , and its head is apertured and beveled interiorly around the aperture as shown at c . The pin b^2 is adapted to be inserted through the aperture and thrust into the split-socket and clamped therein by the screwing up of the sleeve C, whose interior bevel c operates upon the conical end a^3 of the socket. The other two sleeves D and E are of the same construction as the sleeve C, and they screw upon the sockets a'' and b' respectively and operate upon the conical ends thereof to cause these sockets to clamp within them the wires which convey the electrical current.

In use, the wires having been clamped in the sockets a^3 and b' respectively and the sleeve D having been applied to the socket a'' but not screwed up, that portion of the coupling comprising the member A and the two sleeves C and D, is placed on one side of the table covering, and the other member of the coupling, comprising the member B and the sleeve E, is placed on the other side of the table covering and the pin b^2 is passed through the table covering into the socket a^2 . Then the sleeve D is screwed up. I make the pin small and sharp-pointed so that it may be worked through the table covering without rupturing the same. The wire connecting with the member of my coupling, which is beneath the table covering, may be accommodated in the crack of the table top between its leaves without noticeably widening the crack. The whole coupling may be accommodated in the hollow base of a lamp as illustrated in Fig. 1. Furthermore the fullness of the table covering occasioned by the projection of the coupling member above the table top will be covered by the hollow base of the lamp.

It will be seen that the above described construction is well adapted to carry out the object primarily stated. At the same time it must be understood that I do not confine myself to the precise form of construction

here shown. Then of course there are many other uses to which the invention can be put than the particular one here instanced.

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

1. An electrical coupling for making an electric connection through cloth fabrics comprising a split socket, a sleeve applied thereto with provisions for contracting the same, and a slender, pointed pin to pierce the fabric and removably engage the socket; together with means for connecting wires with the socket and the pin respectively.

2. An electrical coupling for making an electric connection through cloth fabrics comprising a split socket, exteriorly screw-threaded and terminally tapered, an interiorly screw-threaded sleeve having an apertured head interiorly beveled, and a slender,

pointed pin to pierce the fabric and removably engage said socket; together with means for connecting wires with the socket and the pin respectively.

3. In an electrical coupling, the combination of a member comprising a disk and split sockets projecting from opposite sides thereof and exteriorly screw-threaded and terminally tapered; interiorly screw-threaded sleeves with apertured heads interiorly beveled; a disk having a pin projecting from one side and a split screw-threaded socket projecting from the opposite side and terminally tapered; and a sleeve screwing onto said socket and having an apertured head interiorly beveled.

In testimony whereof I affix my signature.

ADOLF VON POST.