

V. P. GRINDLE.
 MULTIPLE WIRE CONNECTOR.
 APPLICATION FILED SEPT. 6, 1917.

1,295,304.

Patented Feb. 25, 1919.

Fig. 1.

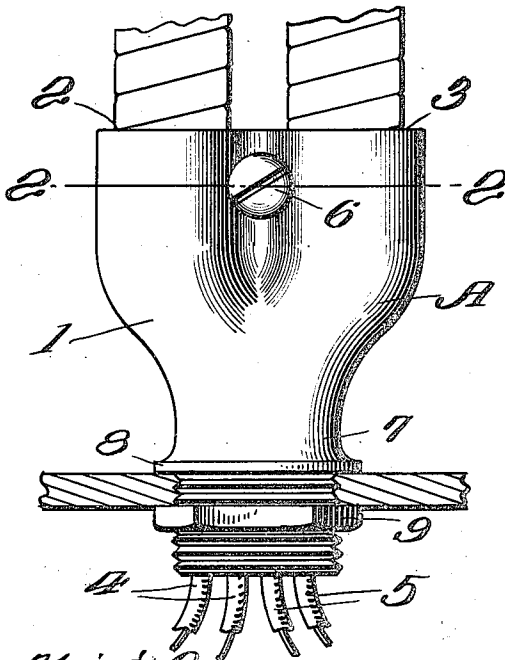


Fig. 3.

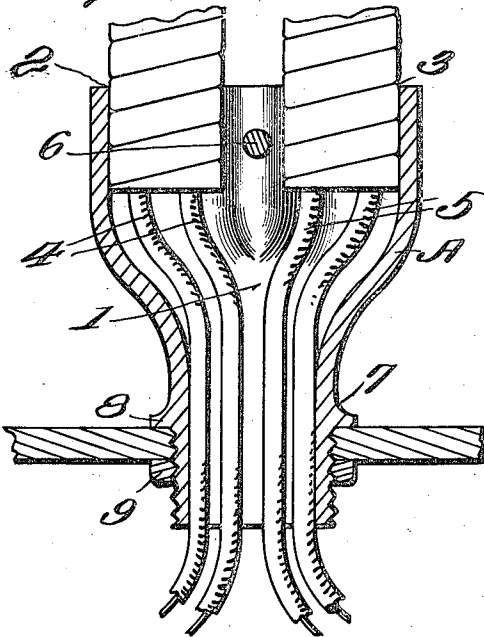


Fig. 2.

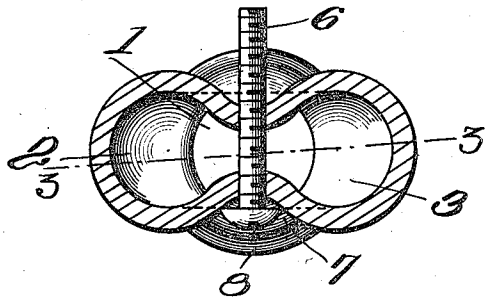


Fig. 4.

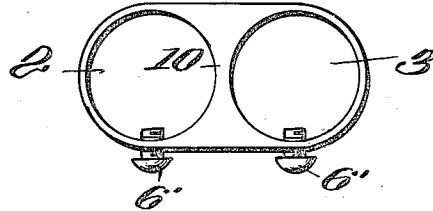
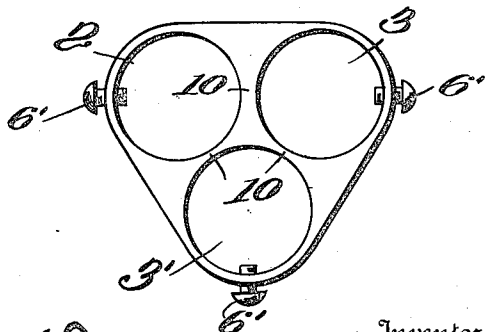


Fig. 5.



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UNITED STATES PATENT OFFICE.

VERLIN PAUL GRINDLE, OF LINCOLN, NEBRASKA.

MULTIPLE-WIRE CONNECTOR.

1,295,304.

Specification of Letters Patent. Patented Feb. 25, 1919.

Application filed September 6, 1917. Serial No. 189,985.

To all whom it may concern:

Be it known that I, VERLIN PAUL GRINDLE, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Multiple-Wire Connectors, of which the following is a specification.

This invention relates to a multiple wire connector, and more particularly to that class of connectors which would accommodate armored wire, especially that class known as B. X.

The object of this invention is to construct a connector in such a manner that more than one B. X. armored wire can be laid to a switch-box, plate, cut-out cabinets, etc., through one connector, instead of having to use a separate connector for each of said armored wires, thereby effecting great saving in time and material in the installation of such apparatus.

In the accompanying drawings:—

Figure 1 is a top plan view of the connector showing the armored wire leading thereto;

Fig. 2 is a transverse vertical section on line 2—2 of Fig. 1;

Fig. 3 is a horizontal section taken on line 3—3 of Fig. 2; and

Figs. 4 and 5 are views showing modified forms of the connector.

A, indicates a multiple connector which may be made of any suitable material, preferably some material which is somewhat pliable, for instance malleable iron, or the like. The hollow body portion 1 has leading thereto, from one end of the casing, parallel inlets 2 and 3, which are adapted to receive sets of electrical wires 4 and 5 covered with the so-called B. X. armor. These inlets are of such a size as to receive the armor. The opposing wall portions of the inlets 2 and 3 are brought together somewhat as shown in Fig. 2 to more completely surround the armor, and are drawn together by an adjusting screw 6 to more securely hold the armor within the connector.

The opposite end 7 of the connector ter-

minates in a single circular opening, which provides an outlet for the sets of wires carried by the two armored leads. The end 7 is externally screw-threaded, and provided at its base with a shoulder 8. This shoulder limits the insertion of the end 7 into the apparatus to which it is to be applied, the connector being held therein by suitable lock-nut 9 received upon the screw-threaded end 7 of the connector.

In Figs. 4 and 5, I have shown two modified forms, which show a possible construction when making the connector of such metal as would not be so pliable as the malleable iron.

In these instances, the parallel inlets 2 and 3 and 3' are provided with dividing walls 10, while the adjusting screws 6' are arranged in the outer walls of the casing, as clearly shown.

It will thus be seen that I have devised a connector which is particularly adapted for use in connection with B. X. armored wires or similar armored wires, which is comparatively inexpensive, and yet particularly adapted for the special use for which it is designed.

I claim:

1. A connector comprising a hollow body portion, formed with parallel inlets at one end, the opposite wall portions of said inlet being curved inwardly toward each other, means arranged between said inlets for drawing said wall portions together, and a single outlet at the other end of the connector.

2. A connector comprising a hollow body portion, formed with parallel inlets at one end, the opposite wall portions of said inlet being curved inwardly toward each other, means arranged between said inlets for drawing said wall portions together, and a single outlet at the other end of the connector, said outlet being externally screw-threaded, shouldered, and provided with a lock-nut whereby said connector can be held securely in place.

3. A one-piece connector comprising a hollow body portion formed with parallel

inlets at one end, the opposing walls of which are provided with means arranged between said inlets for drawing the walls together, whereby the armored wire is held
5 therein, the outer end of said inlet terminating in a single opening which is externally screw-threaded, shouldered and provided

with a lock-nut, whereby the connector may be securely held in place.

In testimony whereof I affix my signature. 10

VERLIN PAUL GRINDLE.

Witnesses:

R. F. STOUT,

MABEL WILLIAMS.