(No Model.)

G. L. RUSSELL.

CONNECTOR FOR ELECTRICAL CONDUCTORS.

No. 490,755. Patented Jan. 31, 1893.

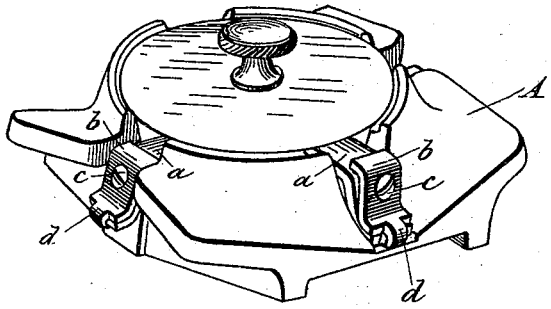

Fig. 1

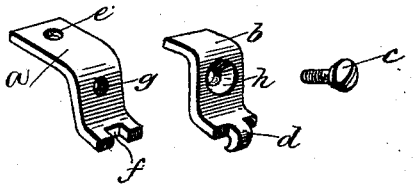

Fig. 2

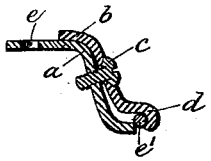

Fig. 3

Witnesses:
Walter W. Longmore.
Edward R. Knowles.

Inventor:
George L. Russell
By Pruitty & Bledsoe
his Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE L. RUSSELL, OF MIDDLETOWN, CONNECTICUT, ASSIGNOR TO THE SCHUYLER ELECTRIC COMPANY, OF CONNECTICUT.

CONNECTOR FOR ELECTRICAL CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 490,755, dated January 31, 1893.

Application filed August 12, 1892. Serial No. 442,910. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. RUSSELL, a citizen of the United States, residing at Middletown, county of Middlesex, and State of Connecticut, have invented certain new and useful Improvements in Connectors for Electrical Conductors, of which the following is a specification.

My invention relates to connectors for electric conductors, and its object is to provide a connector having a capacity for various sizes of wires, and affording a good contact with said wires.

In the drawings, Figure 1 is a perspective view of a switch or a ceiling block provided with my connectors. Fig. 2 shows the parts of a connector, detached. Fig. 3 is a sectional view.

To a suitable base A of insulating material, such as porcelain, one or more connectors may be secured, each having a plate *a* preferably bent twice at nearly right angles, and having near one end a hole *e* through which a screw can be passed to fasten it to the base A. A notch *f* is cut in the other end of the plate. To this plate *a* is secured the clamping piece *b*, which is preferably bent to fit the plate *a*, and has a hole *h* through which passes a screw *c*, which enters a tapped hole *g* in the plate *a*. Other means of adjustably fastening the parts together may be used in place of the screw *c*. One end of the clamping piece rests upon that part of the plate *a* containing the hole *e*. At the other end of the clamping piece is a curved hook *d* adapted to enter the notch *f*. In operation the wire *e'* is placed between the hook *d* and the edge of the plate *a*, where it is clamped by tightening the screw *c*. It will be seen that the device will accommodate a great many sizes of wire, and that the curved hook *d* and sharp edges of the plate *a* make a good electrical contact. By tightening the screw sufficiently, the wire will be bent slightly into the notch *f*, thus affording an additional hold upon it.

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

1. A connector for electric conductors, consisting of a plate having a sharp edge, a clamping piece having a hook to co-act with said edge, and means for adjustably fastening said parts together, substantially as described.

2. A connector for electric conductors, consisting of a plate bent twice at about right angles, a clamping piece similarly bent, and ending in a downwardly extending hooked portion and a screw for fastening them together, substantially as described.

3. A connector for electric conductors, consisting of a plate having a notch in one end, a clamping piece having a hook adapted to enter said notch, and means for fastening said parts together, substantially as described.

4. The combination with a plate *a* bent twice at about right angles, and having a notch *f* in one end, of a clamping piece *b* having a curved hook *d* to enter said notch, and a screw *c* to fasten said parts together, substantially as set forth.

In witness whereof I have hereunto set my hand this 15th day of July, 1892.

GEORGE L. RUSSELL.

Witnesses:
J. F. FIELD,
J. R. STAGG.