

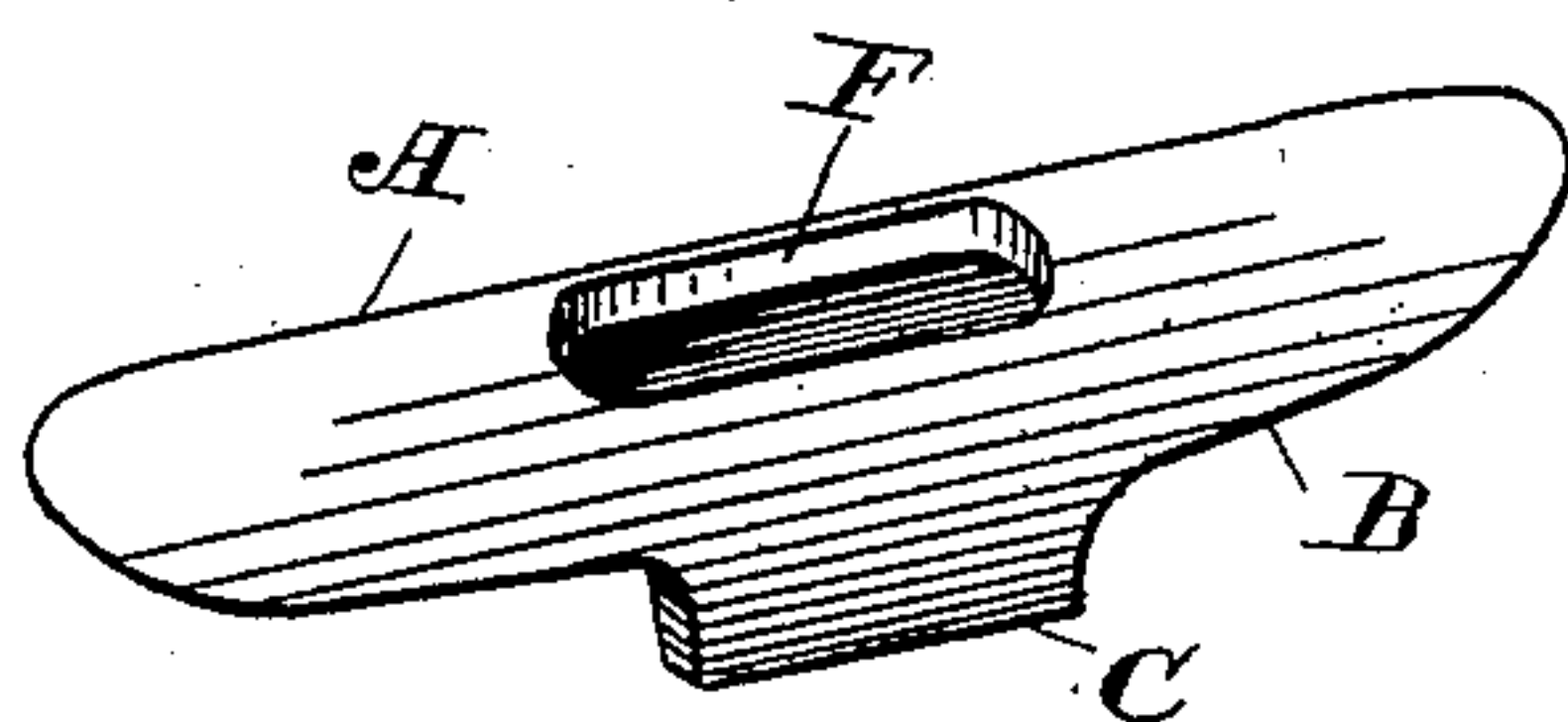
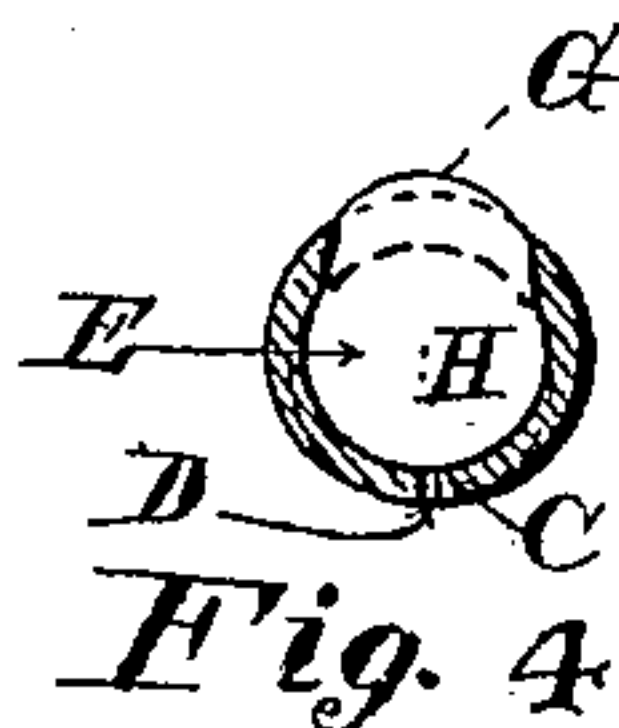
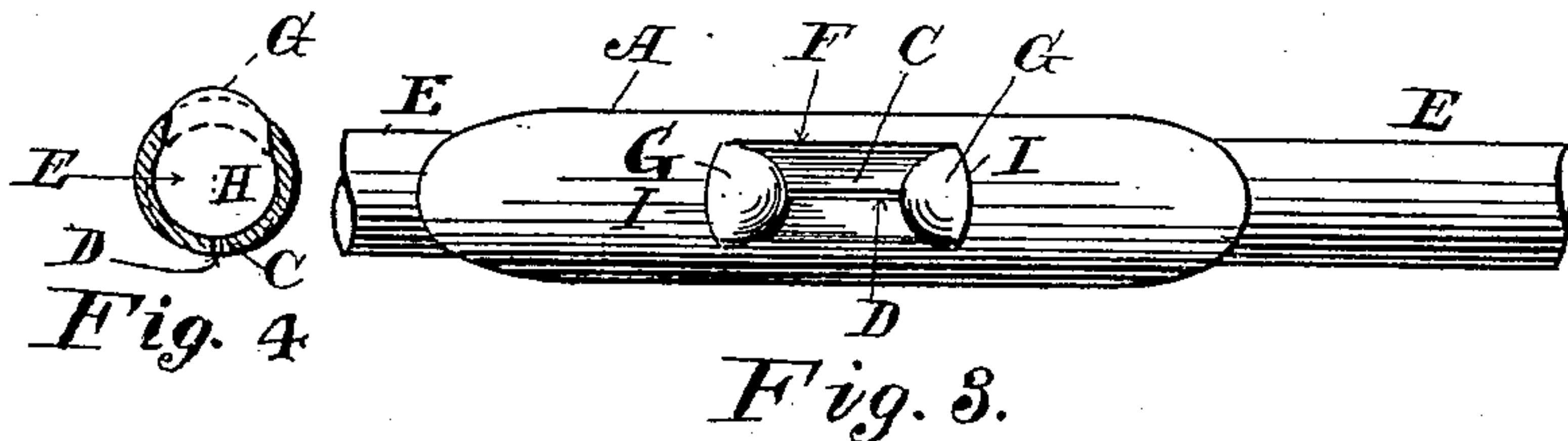
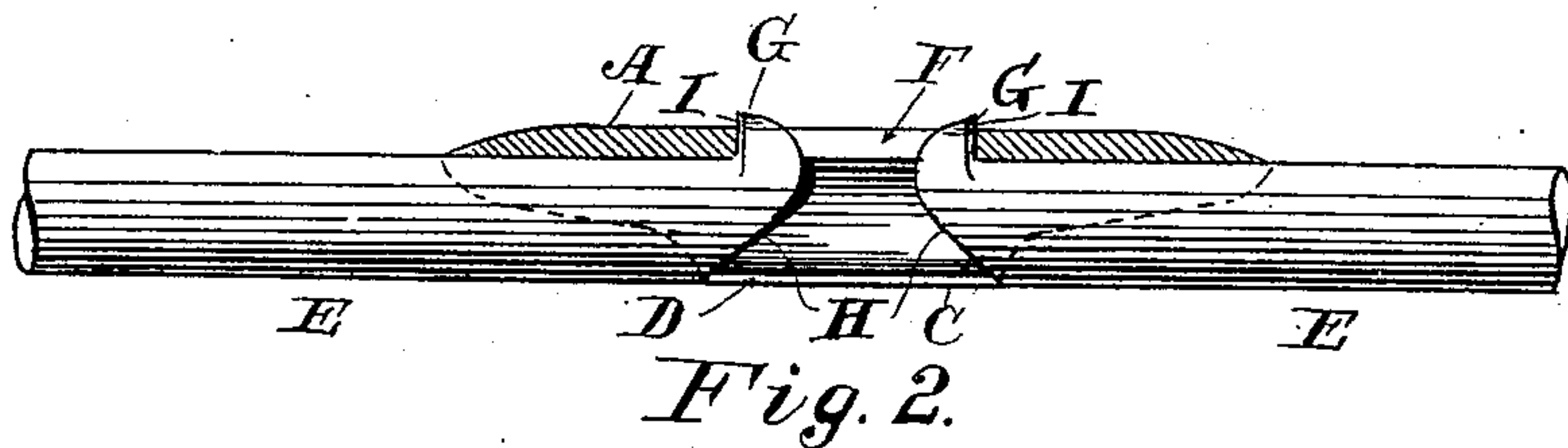
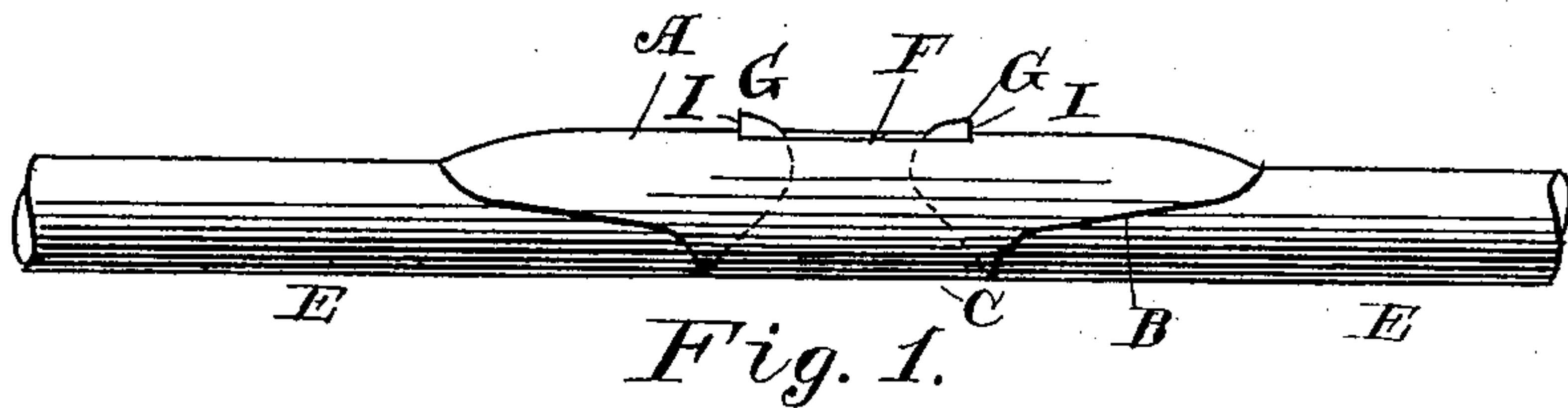
No. 631,864.

Patented Aug. 29, 1899.

R. THOMPSON.
COUPLING FOR ELECTRIC OR OTHER WIRES.

(Application filed June 23, 1899.)

(No Model.)



WITNESSES

Geo. Wadman
H. E. Hennessy..

Fig. 5.

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UNITED STATES PATENT OFFICE.

ROLLAND THOMPSON, OF PASSAIC, NEW JERSEY, ASSIGNOR OF ONE-HALF TO JOHN DUNPHY, OF NEW YORK, N. Y.

COUPLING FOR ELECTRIC OR OTHER WIRES.

SPECIFICATION forming part of Letters Patent No. 631,864, dated August 29, 1899.

Application filed June 23, 1899. Serial No. 721,660. (No model.)

To all whom it may concern:

Be it known that I, ROLLAND THOMPSON, a citizen of the United States, and a resident of Passaic, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Couplings for Electric or other Wires, of which the following is a specification.

The object of my invention is to provide a simple and inexpensive coupling for use more particularly for joining the ends of trolley electric wires and that will require in forming the joint no solder or analogous material which is liable to burn out from the heat such couplings are exposed to.

In the accompanying drawings, Figure 1 is a side elevation of a coupling constructed according to my invention. Fig. 2 is a central longitudinal section, partly in elevation, of the same. Fig. 3 is a top view. Fig. 4 is a transverse section through the middle of the same, and Fig. 5 is a perspective view of the coupling-sleeve ready for application.

E E are the ends of two ordinary electric wires to be coupled together, each being provided with a hook-shaped extremity G, comprising a shoulder I, extending upwardly at right angles, or nearly so, to the upper side of the wire. The end surfaces H of the wires diverge from each other when in place from the curved hook portion near their upper side to a point along their lower sides, the inclination of each being substantially an angle of forty-five degrees.

A is a coupling-sleeve containing a slot F in its upper side to receive and engage the hook portions of the two wires. Its upper half portion B is adapted to fit closely around the ends of the two wires, and its ends are curved and taper toward side portions C of reduced length, which before being used to

couple the wires extend downwardly parallel to each other in order to allow the hook portions of the wires to be inserted in place. After the latter has been effected the sides are bent around flush with the lower side portions of the wires, their width D and length being adapted to fit between the divergent lower portions of the ends of the wires and form a flush lower surface therewith. In this manner the wires are locked together without the aid of solder, and the danger arising from the burning out of the latter is obviated.

I claim—

1. A coupling, comprising wires having hook-shaped extremities containing shoulders extending upwardly from the upper sides of the wires, and a split sleeve containing a slot to engage the said hooks and having its upper portions adapted to fit around the ends of the wires, and its lower side portions extending around and fitting between the ends of said wires and forming a flush lower side therewith, substantially as described.

2. A split coupling-sleeve having its upper portion provided with a slot to engage hook-shaped extremities of wires to be joined, and adapted to fit around the ends of the same, and having its lower portions of reduced length and adapted to be bent around flush with the lower side portions of the said wires, and fit between the bottom portions of divergent ends thereof, substantially as described.

Signed at New York, in the county of New York and State of New York, this 8th day of June, A. D. 1899.

ROLLAND THOMPSON.

Witnesses:

GEO. WADMAN,
N. E. HENNESSY.