

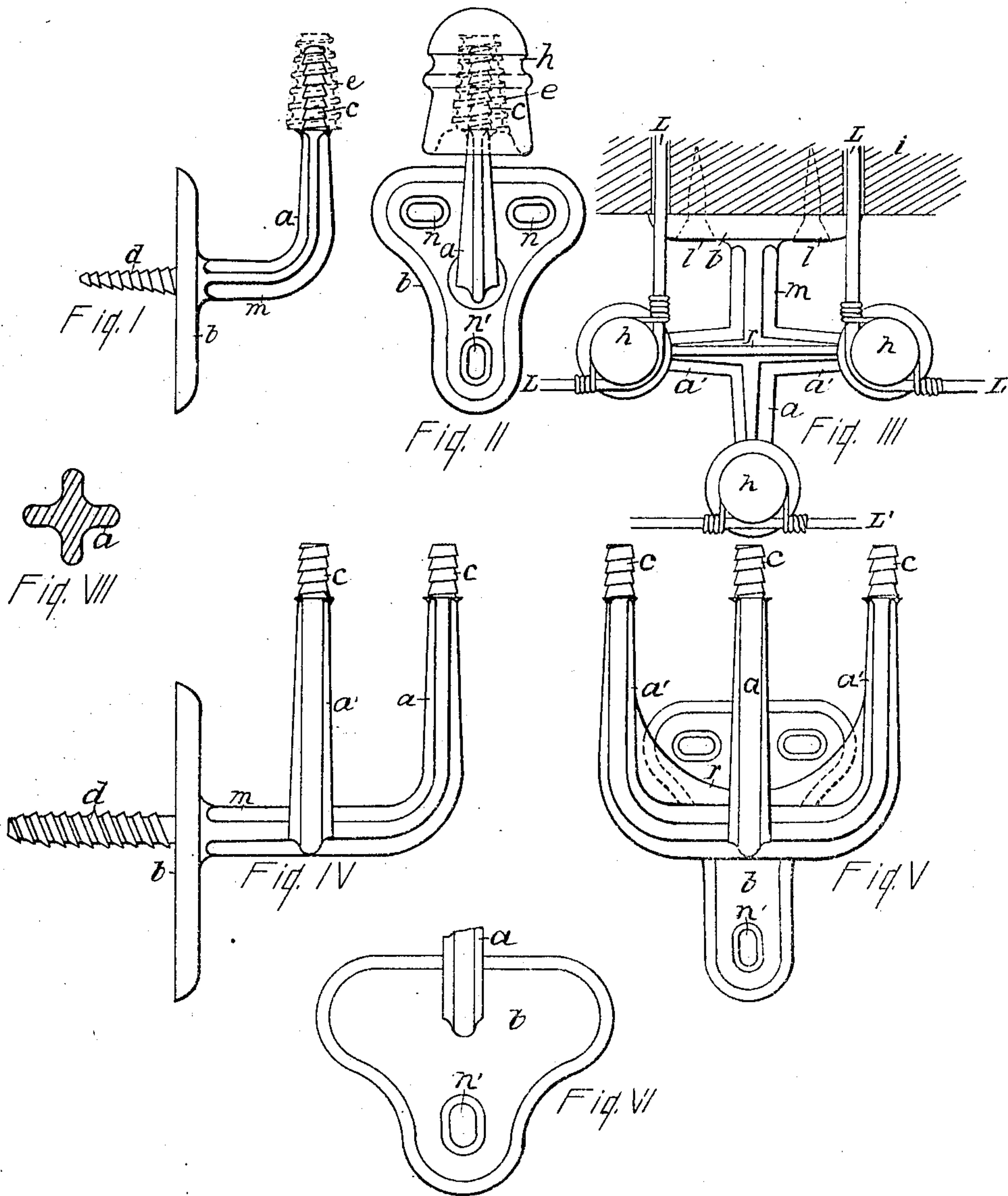
No. 887,358.

PATENTED MAY 12, 1908.

G. F. SWORTFIGER.

WALL BRACKET.

APPLICATION FILED MAY 1, 1905.



WITNESSES:

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WALL-BRACKET.

No. 887,358.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed May 1, 1905. Serial No. 258,404.

To all whom it may concern:

Be it known that I, GEORGE F. SWORTFINGER, a citizen of the United States, and resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Wall-Brackets, of which the following is a specification.

This invention relates to the supporting of wires that constitute circuits for electric currents, and has for its object a means of supporting insulators that is neat, compact, and easily applied, and affords ready means for taking loops from circuits.

The objects are attained by the means set forth in these specifications and the accompanying drawings, in which like letters refer to similar parts throughout the several views.

Figure I represents the bracket in its simplest form, showing a side elevation. Fig. II is a front elevation of the same. Fig. III shows in plan the bracket adapted for loop circuits. Fig. IV is a side elevation of the triple bracket. Fig. V is a front elevation of the triple bracket. Fig. VI shows a modification of the bracket base, and Fig. VII shows a cross section of the main arm.

The principal feature of this bracket is the base with its means for fastening it to a wall or other support. The main arm *m*, integral with the bracket plate *b* may be extended for one insulator, or it may be divided into branches for supporting as many insulators as a situation may require.

The base *b* is elongated horizontally above the arm *m* to give side firmness to the bracket, and is provided with elongated screw holes *n*, *n*. The object of making the holes oval is to afford easy facility for inserting screws or other fastening, as, for instance, in plugging holes in brick walls with wood it might not always be convenient to locate the plugs to suit the screw holes in the bracket plate, if the holes were just the size of the screws to be used. The base *b* is also extended below the arm *m* and is provided with an oval screw hole standing vertically, a fastening in the downward extension reducing any tendency of the bracket to be twisted from a perpendicular. On the wall side of the plate a wood or lag-screw *d* is secured in line with

the arm *m*. In some instances only the lag-screw and the lower screw hole would come into requisition as fastening means, the fastening in the lower hole being solely a preventive of twisting of the bracket. For some uses the upper holes *u*, *u*, might be omitted as in Fig. VI.

The arm *m* may have only a single vertical extension as at *a* Figs. I, II, VI. Figs. III, IV, V, show the arm having three branches *a'*, *a*, *a'*. As the arms *a'*, *a'*, would be subject to greater stress than the front arm *a*, they may be strengthened by a web *r* Figs. III and V. For lightness of construction the arms are made in the form shown in cross-section in Fig. VII.

The vertical arm-extensions terminate in lag-screw threads *c*. Upon these extensions a hub *e* of wood or other suitable material is screwed, as shown in Figs. I, II, by broken lines, in Fig. II as seen through the glass insulator. This hub is provided with insulator screw-threads. A glass insulator *u* is screwed upon the hub as shown in Fig. II.

An illustration of the convenience of the thin-arm bracket is shown in Fig. III, where a loop is taken from a line. The continuous line *L'* is tied to the insulator *n* on the outer arm *a*, while the divided lines *L*, *L*, turn on the inner insulator *n*, *n*, and is easily and quickly applied.

Having described my invention, what I claim and desire to secure by Letters Patent, is—

An insulator bracket comprising a vertical base for attachment to the side of a wall, an arm projecting from said base and at right angles thereto, the arm divided into three branches for insulators, the branches rising vertically in front of the base, the middle branch standing farther from the base than the side arms.

Signed at Newark in the county of Essex and State of New Jersey this twenty-fifth day of March A. D. 1905.

GEORGE F. SWORTFINGER.

Witnesses.

ARTHUR S. DE VOE,
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