

(No Model.)

H. ARLD.
ELECTRIC CONDUCTOR CONNECTION.

No. 446,655.

Patented Feb. 17, 1891.

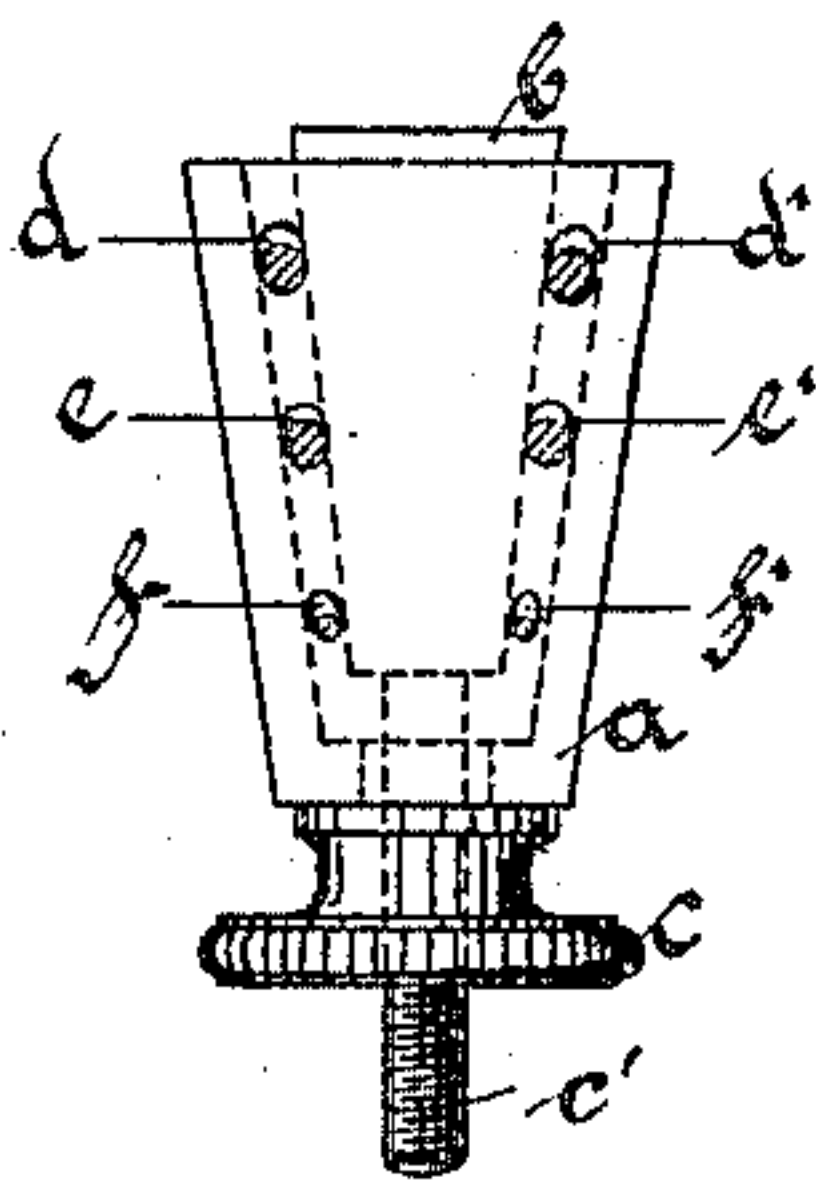


Fig. 1.

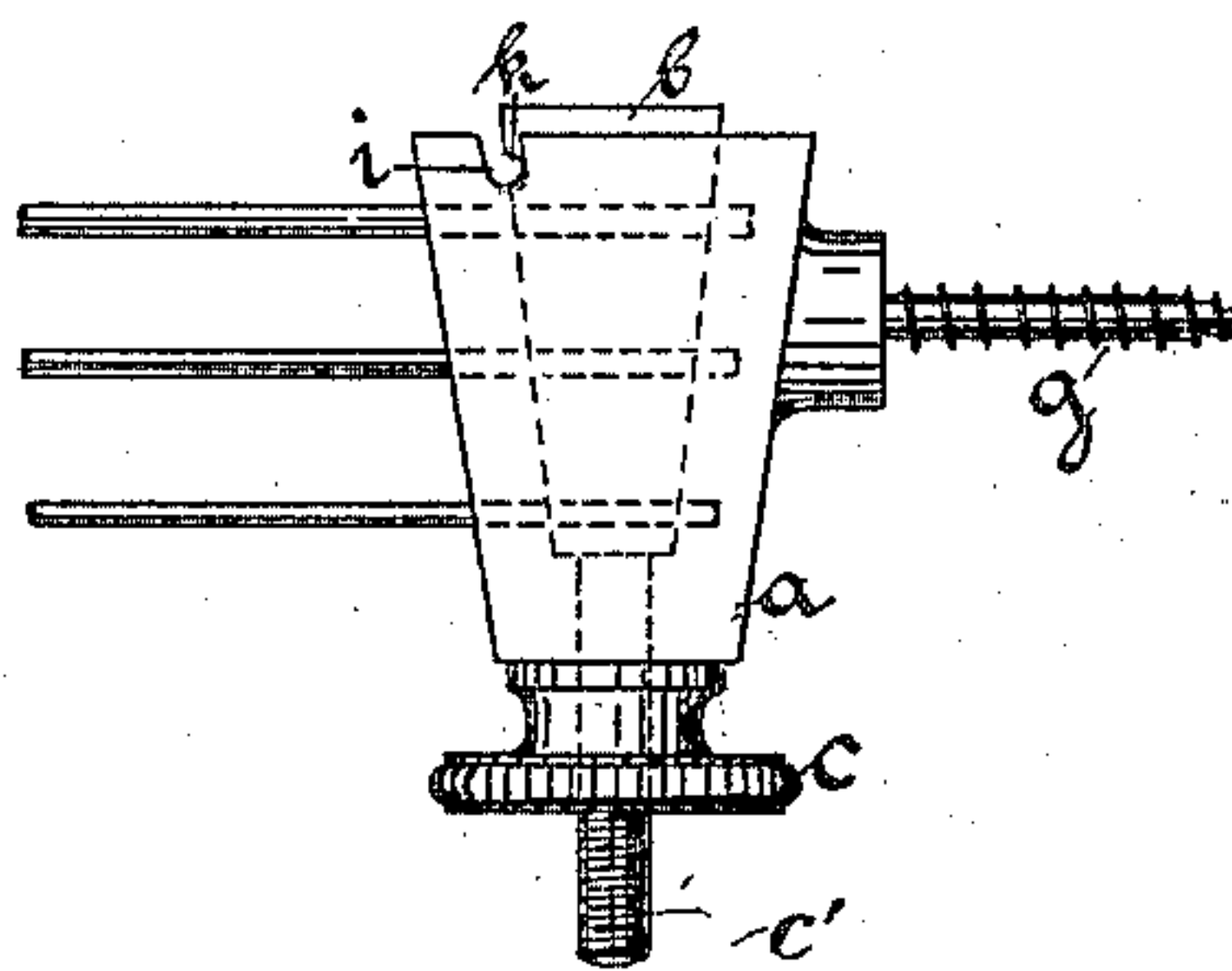


Fig. 2.

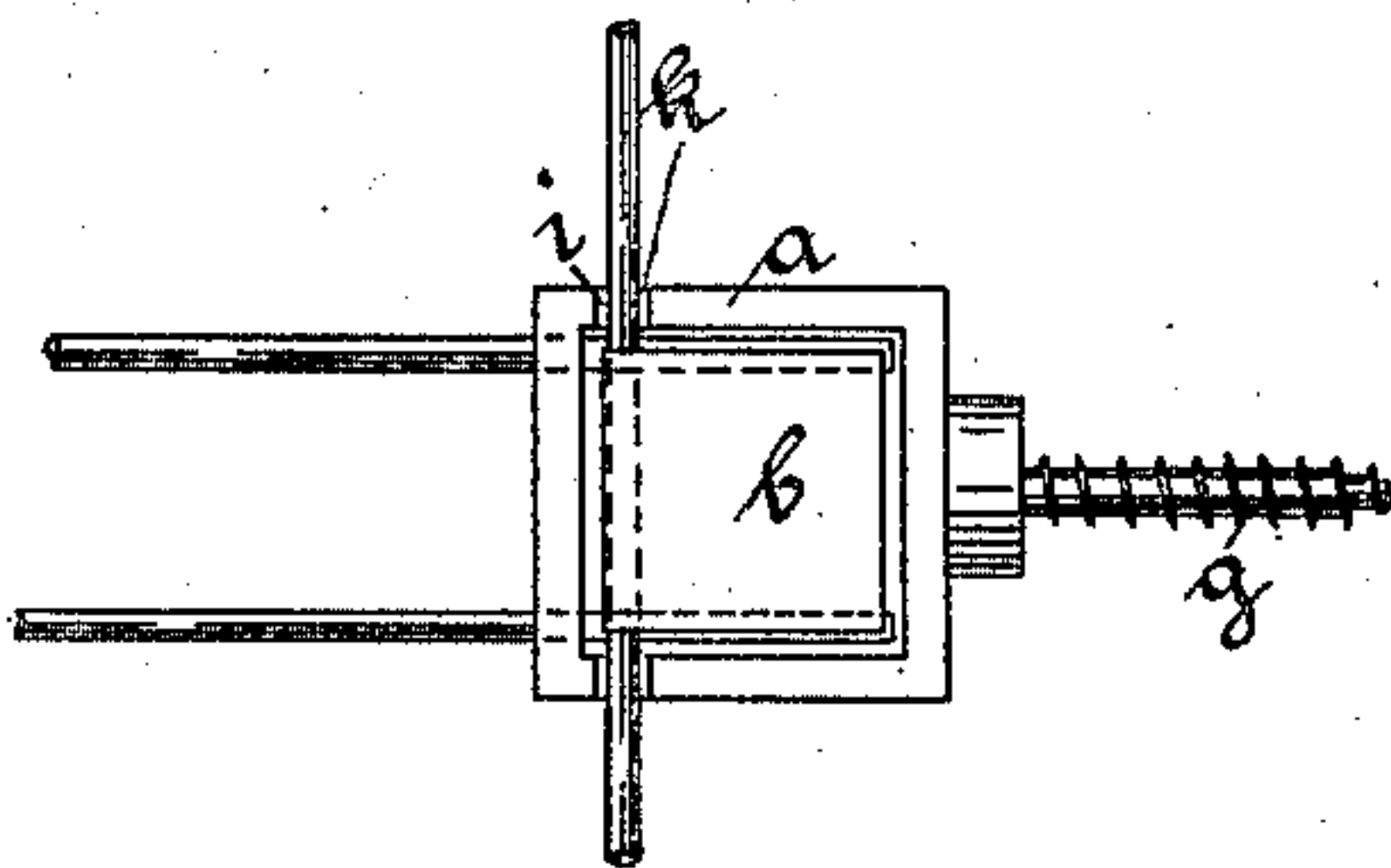


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

HEINRICH ARLD, OF NUREMBERG, GERMANY.

ELECTRIC-CONDUCTOR CONNECTION.

SPECIFICATION forming part of Letters Patent No. 446,655, dated February 17, 1891.

Application filed September 15, 1890. Serial No. 365,015. (No model.) Patented in Germany August 11, 1889, No. 51,706; in France November 19, 1889, No. 202,021; in Belgium January 28, 1890, No. 89,319; in Italy April 28, 1890, No. 27,227; in Austria-Hungary April 27, 1890, No. 5,150 and No. 16,865, and in Switzerland March 8, 1890, No. 1,966.

To all whom it may concern:

Be it known that I, HEINRICH ARLD, manufacturer, of Nuremberg, in the Kingdom of Bavaria and Empire of Germany, and a subject of the Emperor of Germany, have invented new and useful Improvements in Terminals, (for which I have obtained patents in the following countries: in Germany, No. 51,706, dated August 11, 1889; in France, No. 202,021, dated November 19, 1889; in Belgium, No. 89,319, dated January 28, 1890; in Italy, No. 27,227, dated April 28, 1890; in Austria-Hungary, No. 5,150 and No. 16,865, dated April 27, 1890, and in Switzerland, No. 1,966, dated March 8, 1890,) of which the following is a specification.

This invention relates to improvements in terminals or binding-posts for electric circuits; and the object of my invention is to provide a terminal or binding-post by means of which currents can readily be conducted into or from any number of wires into another, or vice versa.

In the accompanying drawings, Figure 1 is an end view of my improved terminal or binding-post, some of the conductors being shown in section. Fig. 2 is a side view of the same, and Fig. 3 is a plan view.

Similar letters of reference indicate corresponding parts.

The terminal is composed of the tapering socket *a*, provided with a series of apertures *d d'*, *e e'*, and *f f'* in one side, through which apertures the ends of the wires are passed. If the wires are of different sizes, the thinner wires are placed into the bottom apertures *f f'*. A tapering or wedge-shaped plug *b* is placed in the socket and drawn downward by means of a nut *c*, screwed on the screw-spindle *c'*, projecting from the bottom of the plug *b* and passing through an aperture in the bottom of the socket. The socket is provided with a recess *i* for receiving one of the con-

ductors, and the plug *b* is provided in its top with a recess *k*, into which said conductor is also placed, so that when the plug *b* is drawn down by turning the nut *c* the wire is held firmly in the recessed parts of the socket *a* and plug *b*. For example, the main wire may be held in the recesses *i k* of the socket *a* and plug *b*; and the terminals may be passed through the apertures *d d'*, *e e'*, and *f f'* and held in the socket with the plug. A screw *g*, projecting from the side of the socket, serves for fastening the binding-post or terminal to any desired object.

Having thus described my invention, I claim as new and desire to secure by Letters Patent--

1. In a terminal or binding-post, the combination, with a socket having apertures through which wires can be passed, of a tapering plug in said socket and means for drawing said plug into the socket, substantially as set forth.

2. In a terminal or binding-post, the combination, with a tapering socket having apertures through which wires can be passed, of a tapering plug in said socket, a screw projecting from the bottom of said plug through the bottom of the socket, and a nut on said screw, substantially as set forth.

3. In a terminal or binding-post, the combination, with a tapering socket provided with apertures and a top recess for receiving wires, of a tapering plug in said socket, which plug is also provided with a top recess, and means for drawing the plug into the socket, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HEINRICH ARLD.

Witnesses:

ALEX. WILLY,
H. DE SOTO.