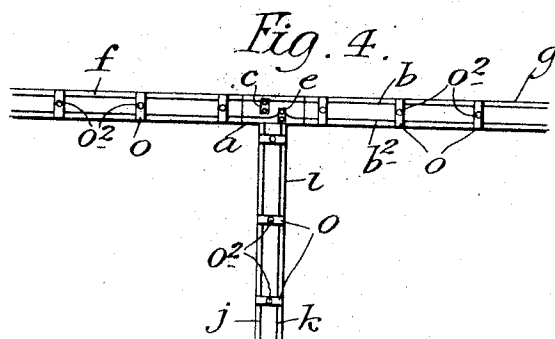
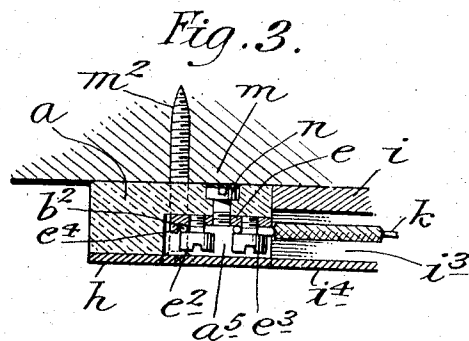
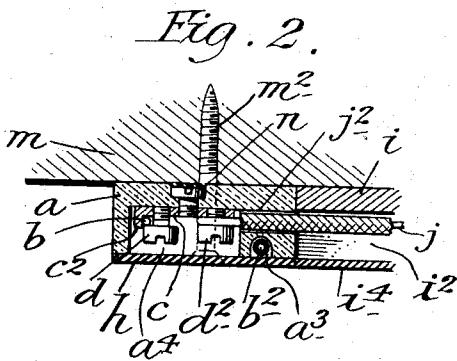
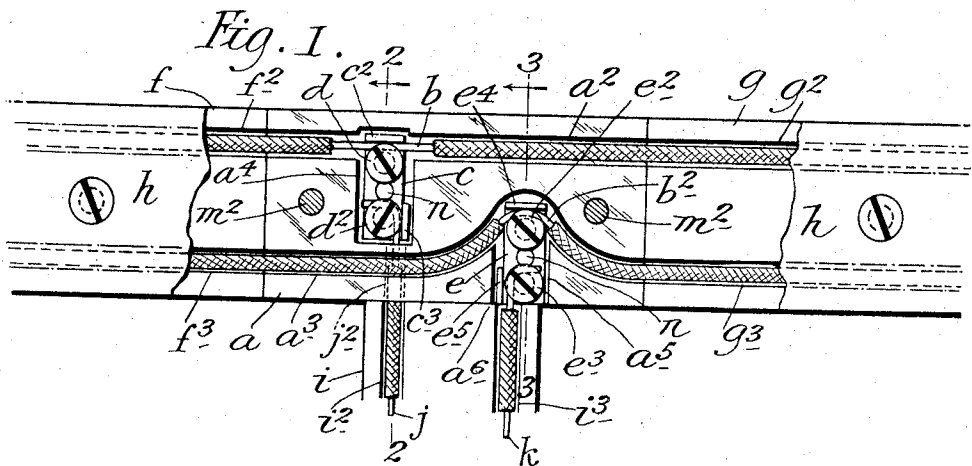


N. KLEIN.
ELECTRIC TAPLET.
APPLICATION FILED DEC. 16, 1909,

984,224.

Patented Feb. 14, 1911.



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ELECTRIC TAPLET.

984,224.

Specification of Letters Patent.

Patented Feb. 14, 1911.

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To all whom it may concern:

Be it known that I, NATHAN KLEIN, a subject of the Emperor of Austria-Hungary, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Electric Taplets, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to what are known as electric taplets for use in the wiring of buildings, residences, apartments and the like, and the object thereof is to provide a device of this class which may be quickly and easily applied to any wiring circuit, and when so applied a splice or tap can be taken in a manner both quicker and safer than the old method and by means of which electric circuit wires will be fully insulated and all danger of accidental fire avoided.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a plan view of my improved electric taplet showing the device complete and the method of its use, the cover of the taplet and its connecting parts being broken away; Fig. 2 a transverse section on the line 2—2 of Fig. 1; Fig. 3 a similar section on the line 3—3 of Fig. 1, and; Fig. 4 a view similar to Fig. 1, but showing a modification.

In the practice of my invention I provide an oblong block *a* composed of any suitable insulating material, such as porcelain, glass or the like. The block *a* is provided in the outer face thereof with longitudinal grooves *a*² and *a*³ through which the insulated circuit or feed wires *b* and *b*² are passed, and said block is also provided in one end portion thereof and in the same face thereof with a transverse recess *a*⁴ which communicates with the groove *a*², and which is formed entirely in the said face of the block, and in the opposite end portion of said block and in the said face thereof, with a transverse recess *a*⁵, which communicates with the groove *a*³, and which opens through one side face of said block.

Secured in the bottom of the recess *a*⁴ is

a metal plate *c* having binding posts or screws *d* and *d*², and secured in the bottom of the recess *a*⁵ is a metal plate *e* having binding posts or screws *e*² and *e*³. The binding post or screw *d* is employed for securing the circuit wire *b* to the plate *c* and the binding post or screw *e*² for the purpose of securing the circuit wire *b*² to the plate *e*.

At each end of the block *a* are placed the usual molding strips *f* and *g*, and said strips are provided respectively with longitudinal grooves *f*² and *f*³, and *g*² and *g*³, and the grooves *f*² and *f*³ and *g*² and *g*³, in the molding strips *f* and *g* register with the grooves *a*² and *a*³ in the block *a* and insulated circuit wires *b* and *b*² pass through the grooves *f*² and *f*³, and *g*² and *g*³, and said block *a* and the molding strips *f* and *g* are provided, in the usual manner, with a cover *h* of insulating material.

The transverse recess *a*⁵ in the block *a* opens through one side face of said block, as shown at *a*⁵, and, in practice, a molding strip *i* similar to the strips *f* and *g* is connected with one side of said block and provided with longitudinal grooves *i*² and *i*³, and branch insulated circuit wires *j* and *k* are connected with the binding posts *d*² and *d*³ and passed through the grooves *i*² and *i*³ and the molding strip *i* is also provided with a cover *i*⁴ similar to the cover *h* of the block *a*. The branch circuit wire *j* passes through a transverse bore in the corresponding side face of the block *a* and under the wire *b*² into the recess *a*⁴, as clearly shown at *j*² in Fig. 2, and as indicated in dotted lines in Fig. 1, and said wires *j* and *b*² are thus completely insulated without the use of any separate or independent insulating devices.

In practice the block *a* is secured to a ceiling, wall or other support *m* by means of screws *m*² and the plates *c* and *e* are secured in the block *a* by means of screws *n*, the heads of which are counter-sunk in the back of said block, as shown in Figs. 1 and 3, and covered with insulating material.

In Fig. 4 I have shown a modification in which the wires *b* and *b*², and the wires *j* and *k*, are held in the molding strips *f*, *g* and *i* by means of transverse cleats *o* which are secured to the molding strips *f*, *g* and *i* by screws or similar devices *o*², and when this form of construction is employed the

circuit wires b and b^2 , j and k , and the connections with the binding posts d and d^2 , and e^2 and e^3 , and the plates c and e will be left exposed and open for inspection at all
5 times.

In the accompanying drawing my improved tablet is shown in connection with a two wire circuit, but it will be understood that the same may be applied to a three wire
10 circuit, and by means thereof two or more branch wires may be employed, as may be desired without departing from the spirit of my invention or sacrificing its advantages.

15 The plates c and e are provided with the usual raised legs c^2 , c^3 and e^4 and e^5 between which and the binding posts or screws d and d^2 , and e^2 and e^3 , the circuit wires b and b^2 and j and k are passed in the usual
20 manner in order to connect said wires to said binding posts or screws.

Having fully described my invention,

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

An electric tablet block the front side of
25 which is provided with open longitudinal grooves and open transverse recesses communicating therewith, and one of which opens through one side face of the block, and said block being also provided in the
30 side face thereof through which one of said recesses opens with a transverse bore which communicates with the other recess and which passes under one of the longitudinal
35 grooves and does not communicate there- with.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this
15th day of December 1909.

NATHAN KLEIN.

Witnesses:

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B. M. RYERSON.