

(No Model.)

E. T. GREENFIELD.

ATTACHING DEVICE FOR ELECTRIC CONDUCTORS.

No. 441,838.

Patented Dec. 2, 1890.

FIG. 1.

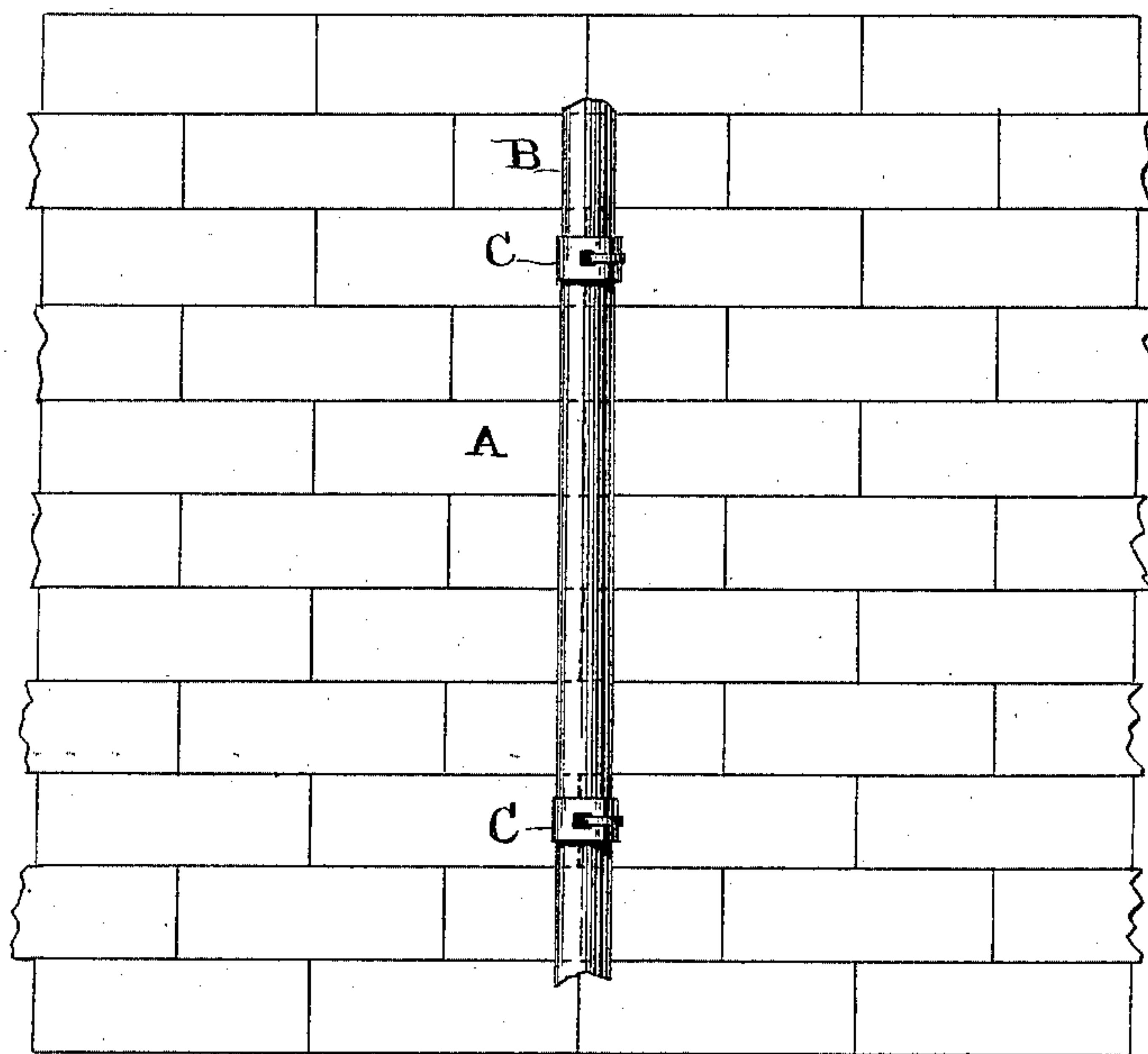


FIG. 2.

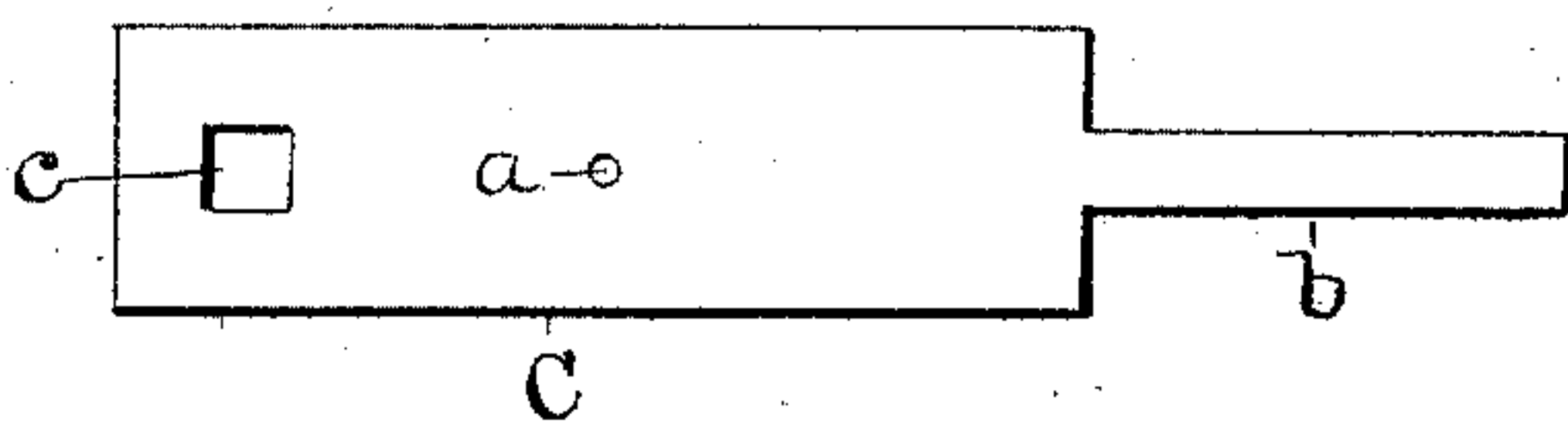
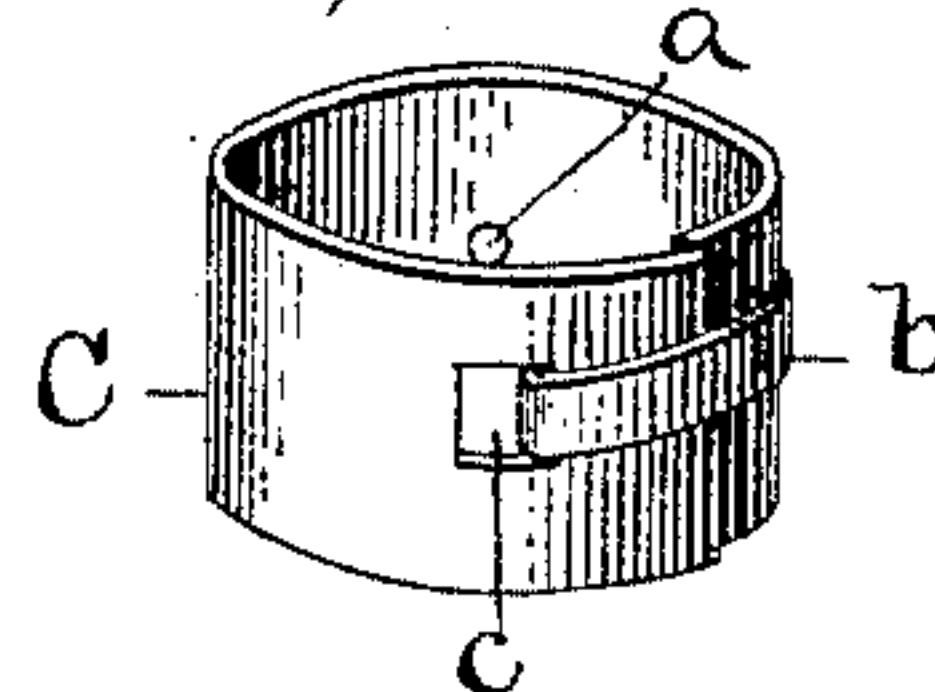


FIG. 3.



WITNESSES:

Horris A. Clark.
W. E. Fyler

INVENTOR

Edwin T. Greenfield

BY

Dyer Keely
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWIN T. GREENFIELD, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE INTERIOR CONDUIT AND INSULATION COMPANY.

ATTACHING DEVICE FOR ELECTRIC CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 441,838, dated December 2, 1890.

Application filed March 3, 1890. Serial No. 342,415. (No model.)

To all whom it may concern:

Be it known that I, EDWIN T. GREENFIELD, residing at New York city, in the county and State of New York, have invented a new and
5 Improved Attaching Device for Electrical Conductors and Conduits, of which the following is a specification.

Heretofore in the interior wiring of buildings, where it was necessary to support the conductor from the wall or ceiling, a staple was used having two legs, with a transverse piece joining them, which staple was driven into the wall, straddling the conductor. Where
15 the ceiling or wall was of brick or stone, it was frequently impossible to use these staples, as they could not be driven in. Where they could be used, whether on a stone or wood ceiling or wall, the operation of driving them in resulted in injury to the insulating-covering of the conductor by reason of the hammer striking it. When a conduit of insulating material—such as paper impregnated with an
20 insulating material—was used, its attachment to the wall or ceiling by a staple such as above described frequently resulted in damage to the conduit and always necessitated the greatest care.

The object of my invention is an attaching device which may be applied to any ceiling
30 or wall, whether of stone or wood, advantage being taken in stone ceilings or walls of the mortar or cement used to join them, the application of which as a support for the conductor or conduit may be made without liability of injuring the same, which may be
35 readily attached both to the ceiling or wall and to the conductor or conduit, and which shall be inexpensive in construction and durable.

40 In the accompanying drawings, forming a part of this specification, Figure 1 is an elevation of a brick or stone wall, showing my

improved device securing a conduit. Fig. 2 is a plan view of the attaching device before application, and Fig. 3 is a perspective view
45 of the attaching device in the position it occupies when holding a conductor or conduit.

A is the wall of a building, which in the drawings is shown of stone.

B is a conduit for the reception of electrical
50 conductors.

C is the attaching device, which is preferably of flexible spring sheet metal, provided with a hole *a* for the nail or screw used in attaching it to the wall, and a tongue *b* and eye
55 *c* for the purpose of clipping it around the conductor or conduit, this latter being done by inserting the tongue into the eye and bending it back on itself, as shown in Fig. 3. A pair of nippers may be used to grip the tongue,
60 so that it may be pulled hard enough to cause the conductor or conduit to be firmly grasped and held, the bending of the tongue serving as a lock.

It will be noticed that with this device but
65 a single nail or screw need be used, and that thereby advantage may be taken of the cement or mortar joining the stones of a ceiling or wall, as shown in Fig. 1.

I claim—

70 An attaching device for electrical conductors or conduits, comprising a flexible metal plate provided with a hole, tongue, and eye stamped therein, said hole adapting the device to be attached to a wall or ceiling by a
75 nail or screw and said tongue and eye serving as a lock, substantially as set forth.

This specification signed and witnessed this 17th day of February, 1890.

EDWIN T. GREENFIELD.

Witnesses:

W. PELZER,
D. H. DRISCOLL.