

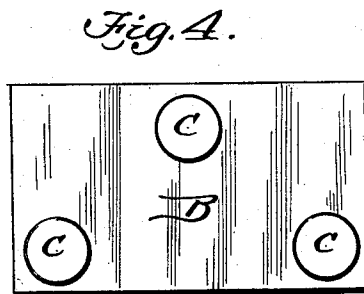
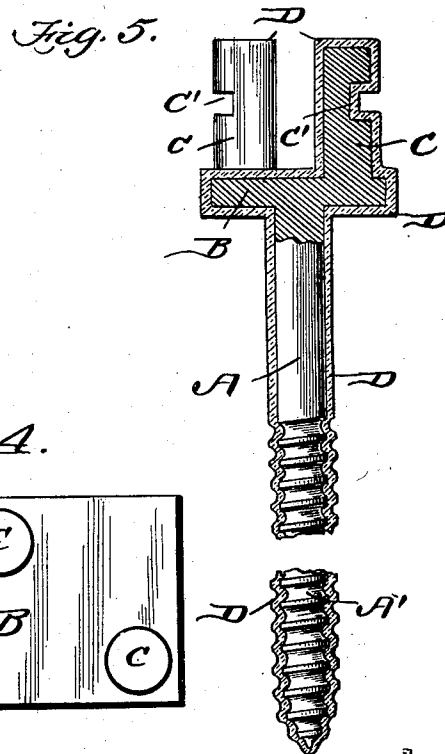
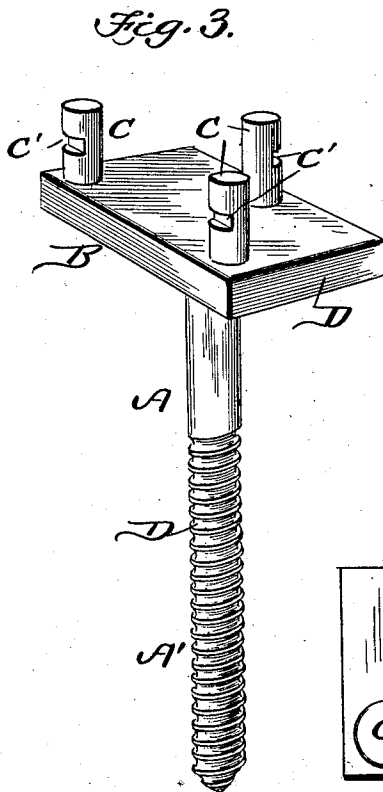
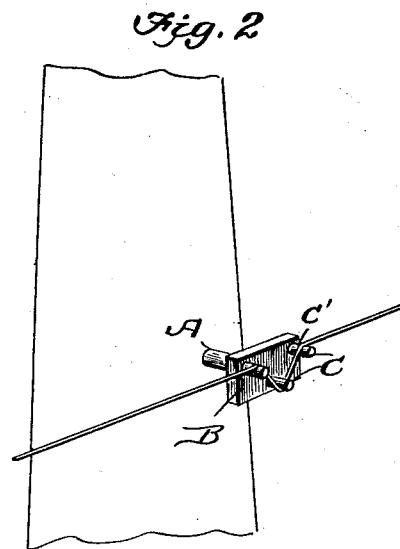
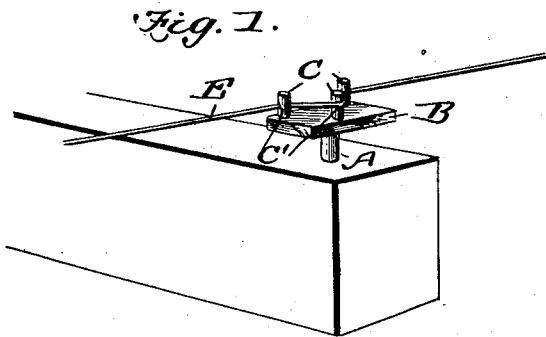
No. 757,765.

PATENTED APR. 19, 1904.

J. W. OSBORNE.
INSULATOR.

APPLICATION FILED AUG. 15, 1903.

NO MODEL.



Inventor

J. W. Osborne,

Witnesses
M. H. Blomell
Anna Shaw

By *Munroe & Brock*
Attorneys

UNITED STATES PATENT OFFICE.

JOHN W. OSBORNE, OF WINCHESTER, ILLINOIS.

INSULATOR.

SPECIFICATION forming part of Letters Patent No. 757,765, dated April 19, 1904.

Application filed August 15, 1903. Serial No. 169,656. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. OSBORNE, a citizen of the United States, residing at Winchester, in the county of Scott and State of Illinois, have invented a new and useful Insulator, of which the following is a specification.

This invention is an improved construction of insulator, the object being to provide an insulator for telegraph, telephone, or other conductor-wires which can be attached either to a cross-arm or to the pole direct or to the top or side of a building; and another object is to provide an insulator to which the wires can be attached without the aid of fastening-wires.

With these objects in view the invention consists in constructing an insulator of any suitable metal and comprising a threaded shank, a flat plate carried at the end of the shank, and the pins carried by the plate and projecting from the plate at right angles, said pins being alternately arranged and provided with notches in their alternate opposite faces, the pins, plate, and shank being covered with porcelain or other suitable non-conducting material.

In the drawings forming a part of this specification, Figure 1 is a perspective view showing an insulator constructed in accordance with my invention and attached to a cross-arm. Fig. 2 is a view showing the insulator attached directly to the pole. Fig. 3 is a detail perspective of the insulator. Fig. 4 is a top plan view; and Fig. 5 is a vertical sectional view, partly in elevation.

In carrying out my invention I employ a shank A, threaded externally at the lower end, as shown at A', and carrying a plate B at the upper or outer end thereof, said plate being arranged at a right angle to the shank and preferably rectangular in shape. The plate carries a plurality of pins C, which project at right angles from the said plate, are arranged alternately upon opposite sides of

the said plate, and are notched upon their alternate opposite faces, as shown at C'. In the present drawings three pins are shown, two upon one side of the plate and one upon the opposite side; but it is obvious that any desired number may be employed and that the arrangement of said pins may vary somewhat, so long as they alternate and have the notches arranged alternately and upon the outer sides thereof. The entire insulator, including the pins, plate, and shank, is covered with a coating D, of porcelain or other non-conducting material.

In operation a hole is bored in the cross-arm, pole, or other object, and the shank inserted and screwed therein to the desired extent. The conductor-wire E is brought into engagement with one of the pins and then bent around the other pins, the wire resting in the notches, as most clearly shown in Figs. 1 and 2. By means of an insulator constructed as herein shown and described a conductor-wire can be quickly and easily connected thereto without the aid of an additional fastening-wire, as is now in common use.

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

An insulator comprising a threaded shank which is externally threaded, a flat rectangular plate arranged at the outer end of the shank, and the pins projecting at right angles from the said plate, said pins being arranged alternately adjacent the opposite edges of the plate, each pin having a notch produced therein, said notches being made in the outer sides of the pins, the pins, plate and shank being covered with non-conducting material, substantially as shown and described.

JOHN W. OSBORNE.

Witnesses:

JOHN F. LEIB,
SOL NAINSFURTHER.