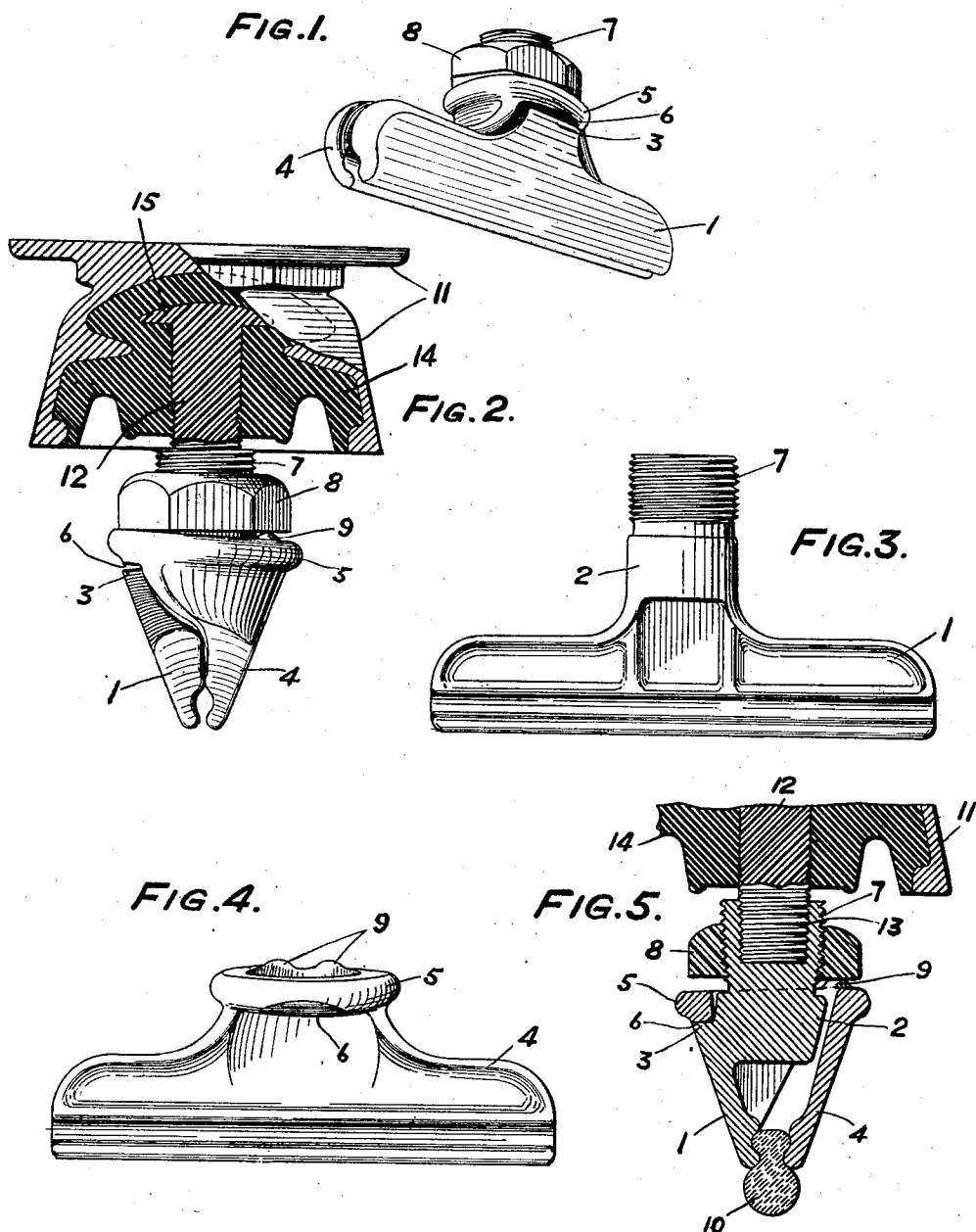


F. C. PECK.
CLAMPING AND SUPPORTING MECHANISM.
APPLICATION FILED FEB. 5, 1910.

998,922.

Patented July 25, 1911.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK C. PECK, OF WAYNE, PENNSYLVANIA, ASSIGNOR TO ELECTRIC SERVICE SUPPLIES COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF NEW JERSEY.

CLAMPING AND SUPPORTING MECHANISM.

998,922.

Specification of Letters Patent. Patented July 25, 1911.

Application filed February 5, 1910. Serial No. 542,319.

To all whom it may concern:

Be it known that I, FRANK C. PECK, a citizen of the United States, residing at Wayne, in the county of Delaware and State of Pennsylvania, have invented an Improved Clamping and Supporting Mechanism.

My invention is an improved clamping and supporting mechanism designed primarily for engaging and suspending electric conductors such as trolley wires.

In its preferred construction, the mechanism comprises a jaw having a neck with a shoulder projecting therefrom and a head thereon, a second jaw provided with a collar adapted for receiving the neck and a recess for receiving the shoulder, a nut screwed on the head to keep the collar thereon and clamp the jaws, and means connected with the head for suspending and insulating the clamp.

In the accompanying drawings, Figure 1 is a perspective view of a clamp made in accordance with my improvements; Fig. 2 is an end elevation of the clamp connected with the supporting device shown in section; Fig. 3 is a view of a detached jaw of the clamp; Fig. 4 is a view of a second detached clamp jaw, and Fig. 5 is a transverse sectional view representing the mechanism applied to a trolley wire.

A jaw 1 is provided with a neck 2 having a shoulder 3 projecting outwardly and a socketed head 7 projecting upwardly therefrom. A jaw 4 is provided with a collar 5 which surrounds the neck 2, the collar having in the outer and under part thereof a recess and bearing 6 which receives the shoulder 3.

A nut 8 screws on the head 7 into engagement with the lugs 9 on the inner and upper part of the collar 5. The nut holds the collar 5 on the neck 2 and turns the jaw 4 about its bearing on the shoulder 3, whereby a wire 10 can be clamped by the jaws.

A device, which supports the clamp, comprises the casting 11 adapted for connection

with an overhead beam or the like, a threaded shank 12 adapted for engagement in the threaded socket 13 of the head 7, and a core 14 of insulating material which is held within the casting 11 and has the shank's head 15 embedded therein. The supporting device being fixed in place, the clamp is connected therewith by screwing its socketed head on the shank and the jaws are then clamped on the wire by screwing the nut down on the head.

It will be understood from the foregoing description that the mechanism is simple in construction and operation. The parts are few and readily assembled and separated. The clamp is strong and with the cooperating means provides an effective support for the wire.

Having described my invention, I claim:

1. A mechanism for holding trolley wires comprising a jaw having a collar thereon, a second jaw having a head which passes through said collar, means comprising a nut engaging said head whereby said jaws are clamped on the wire, and supporting means engaging said head.

2. A mechanism for holding trolley wires comprising a jaw having a collar thereon, a second jaw having a socketed head which passes through said collar, means comprising a nut engaging said head whereby said jaws are clamped on the wire, and supporting means engaging said head, said supporting means comprising a shank adapted for engaging the socket in said head, an insulating body engaging said shank, and a member in which said insulating body is engaged.

In witness whereof I have hereunto set my name this second day of February, A. D. 1910, in the presence of the subscribing witnesses.

FRANK C. PECK.

Witnesses:

PAUL HOGAN,
J. H. JEFFERIES.