

H. L. CARROLL,
WIRE CLAMP.
APPLICATION FILED APR. 6, 1912.

1,042,199.

Patented Oct. 22, 1912.

Fig. 1.

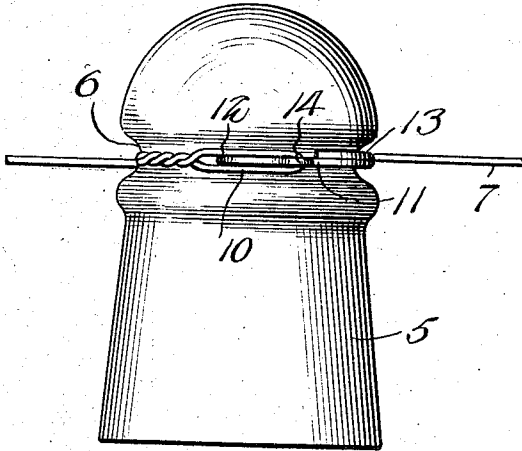


Fig. 3.

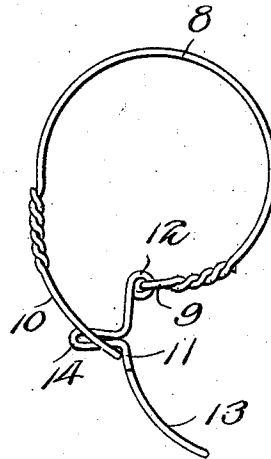


Fig. 2.

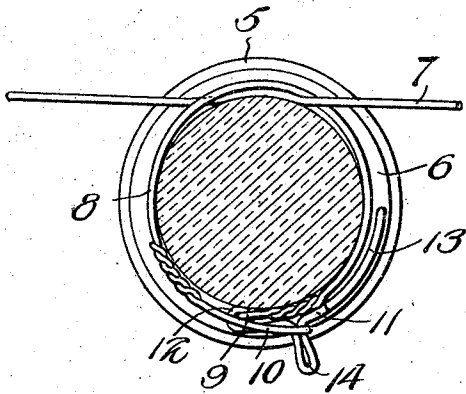
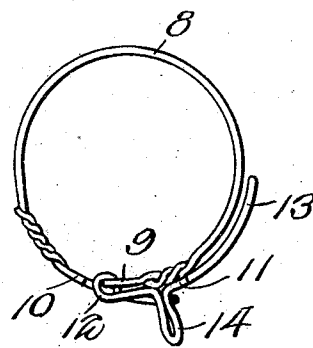


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY L. CARROLL, OF GASSAWAY, WEST VIRGINIA.

WIRE-CLAMP.

1,042,199.

Specification of Letters Patent.

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Application filed April 6, 1912. Serial No. 688,944.

To all whom it may concern:

Be it known that I, HARRY L. CARROLL, a citizen of the United States, residing at Gassaway, in the county of Braxton and State of West Virginia, have invented new and useful Improvements in Wire-Clamps, of which the following is a specification.

The invention relates to clamps, and more particularly to the class of wire clamps for insulators.

The primary object of the invention is the provision of a wire clamp, in which an electric current wire may be readily and quickly fastened to an insulator mounted on a telegraph pole or other support, so that the wire will be prevented from dropping therefrom.

Another object of the invention is the provision of a wire clamp in which the retaining wire or loop is fastened by means of a lever which may be readily manipulated by hand for the tightening of the retaining wire or loop about an insulator for the securing of an electric current wire thereto, so that the same will be held fast and prevented from sagging.

A further object of the invention is the provision of a wire clamp which is simple in construction, thoroughly reliable and efficient in its purpose, strong, durable, and inexpensive in manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claims hereunto appended.

In the drawings: Figure 1 is a side elevation of an insulator, showing the clamp in position thereon for fastening a current wire thereto. Fig. 2 is a top plan view thereof. Fig. 3 is a plan view of the clamp, removed from the insulator, the same being shown opened. Fig 4 is a similar view, showing the clamp closed.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring to the drawings by numerals, 5 designates an insulator of the ordinary well-

known type adapted to be mounted upon a telegraph pole or other support, the said insulator being formed with an annular wire receiving groove 6, in which is adapted to rest or engage an electric current wire 7, as usual, the wire being clamped to the insulator in the groove therein by means of a device, presently described.

The wire clamping device comprises a retaining loop 8 formed from a single wire, bent at opposite ends to provide eyes 9 and 10, respectively, the ends of the wire forming the loop 8 being twisted about the said wire, so as to prevent the opening of the eyes when strain is applied thereto, and engaged with the eye 9 is a hand lever 11, one end being formed with an eye 12 loosely engaging the eye 9, while the opposite end is doubled on itself to form a handle 13, the lever intermediate its ends being bent to form a nose or hook 14 for engagement in the eye 10, so that upon swinging the lever 11 in one direction, the loop 8 will be drawn taut about the insulator 5, the said loop 8 being engaged in the groove 6 therein, and is adapted to straddle the electric current wire 7, whereby on the tightening of the loop, the said wire 7 will be fastened to the insulator securely to prevent the loosening thereof or the sagging of the same.

It will be obvious that on moving the lever 11 in the reverse direction from that heretofore stated, the loop 8 may be slackened or loosened about the insulator 5, thus permitting the adjustment of the electric wire 7, or the detachment thereof from the insulator.

It is, of course, understood, that the loop 8 of the wire clamp may be made of any size, so as to accommodate varying sized insulators or supports for the electric current wires.

What is claimed is:

A wire clamp comprising a loop formed from a single strand of resilient wire bent to provide eye terminals, one of said eye terminals being elongated and of greater size than the other, a catch lever formed from a single strand of relatively stiff wire and having an eye at one end loosely engaging the smaller eye of the loop member and also

having a curved handle at its opposite end,
and a nose formed in the lever and engage-
able in the larger eye of the loop member
whereby on swinging the lever in one direc-
5 tion the loop member can be drawn taut and
fastened about an insulator for the securing
of a current wire thereto.

In testimony whereof I affix my signature
in presence of two witnesses.

HARRY L. CARROLL.

Witnesses:

BEN GELLESPIE,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."