

No. 887,896.

PATENTED MAY 19, 1908.

G. WRIGLEY.
TIE WIRE CLAMP.

APPLICATION FILED JUNE 21, 1907.

Fig. 1.

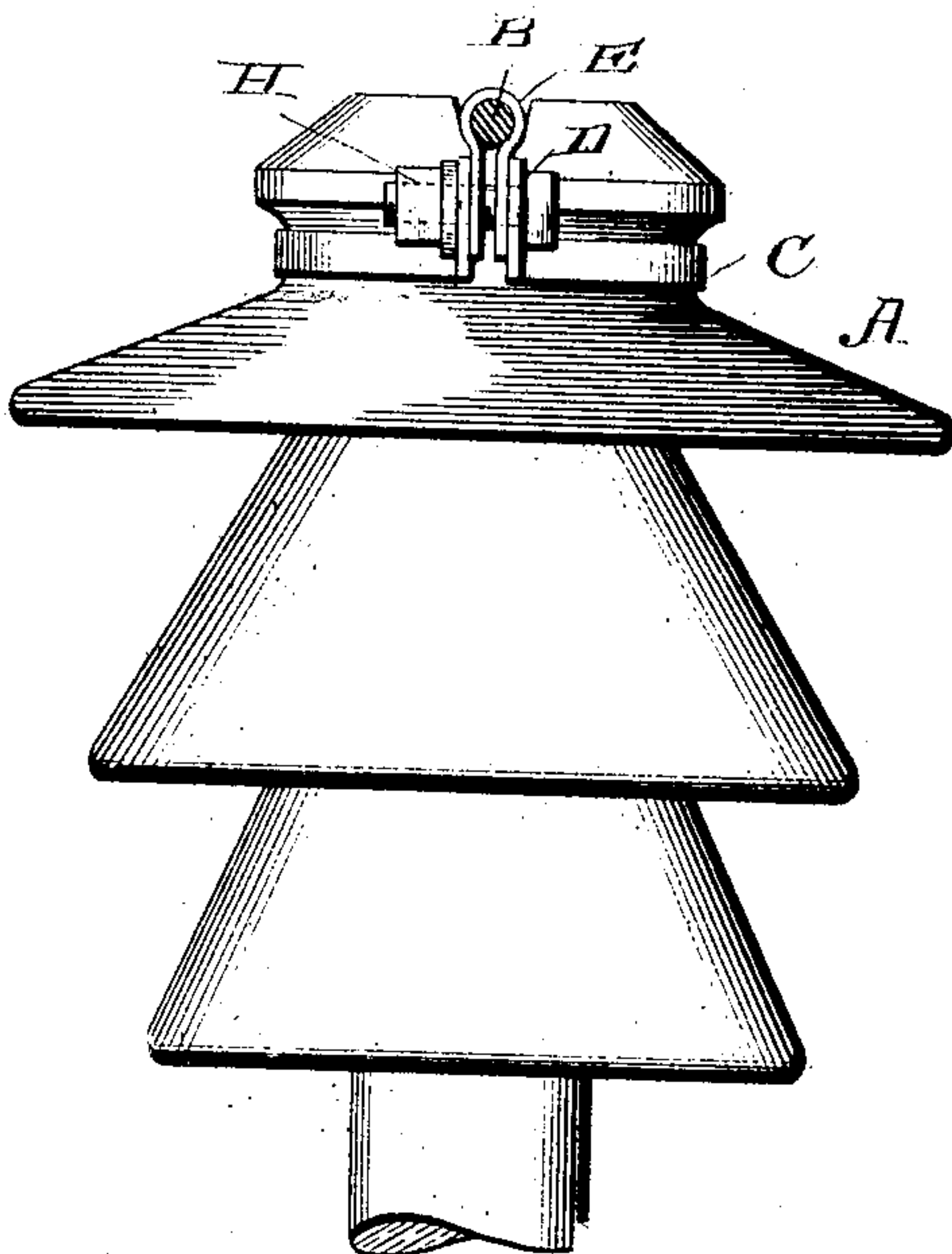


Fig. 2.

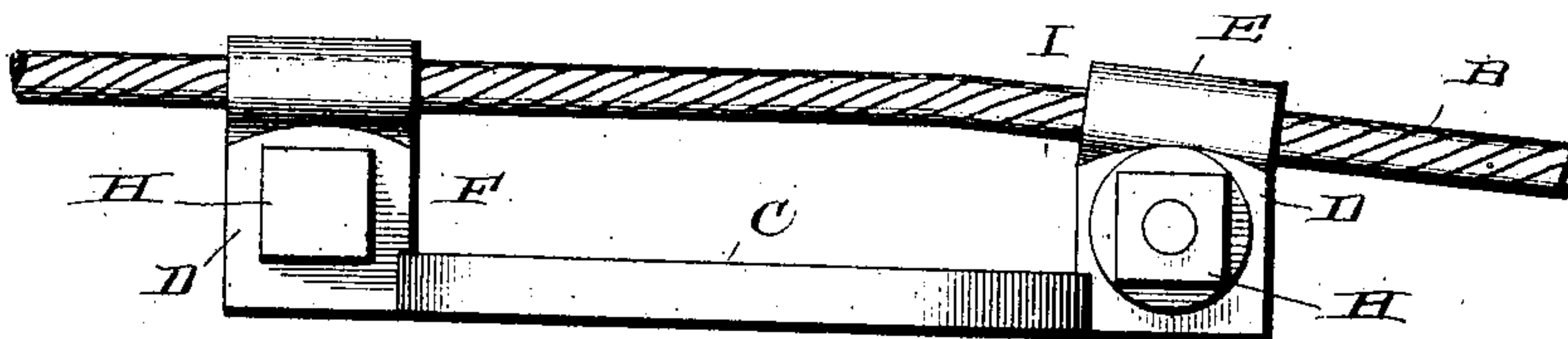


Fig. 3.

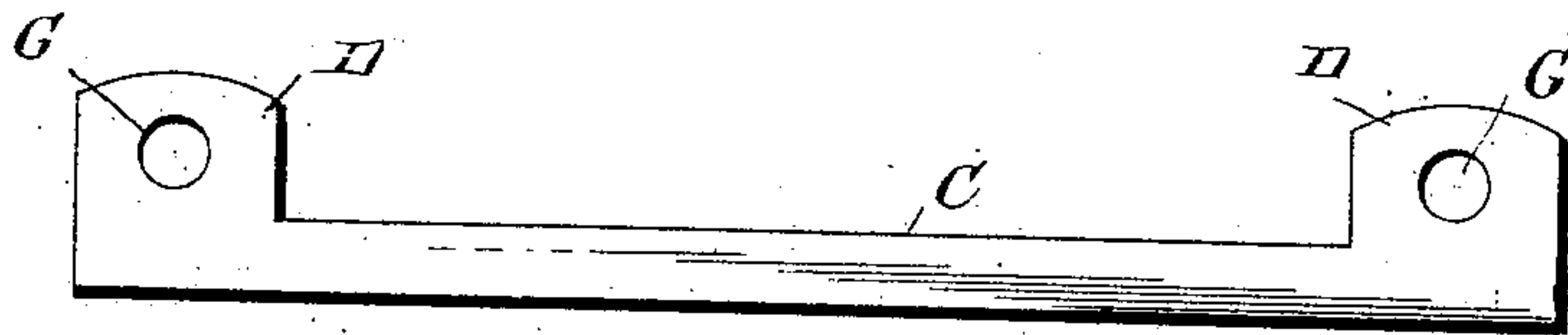


Fig. 4.

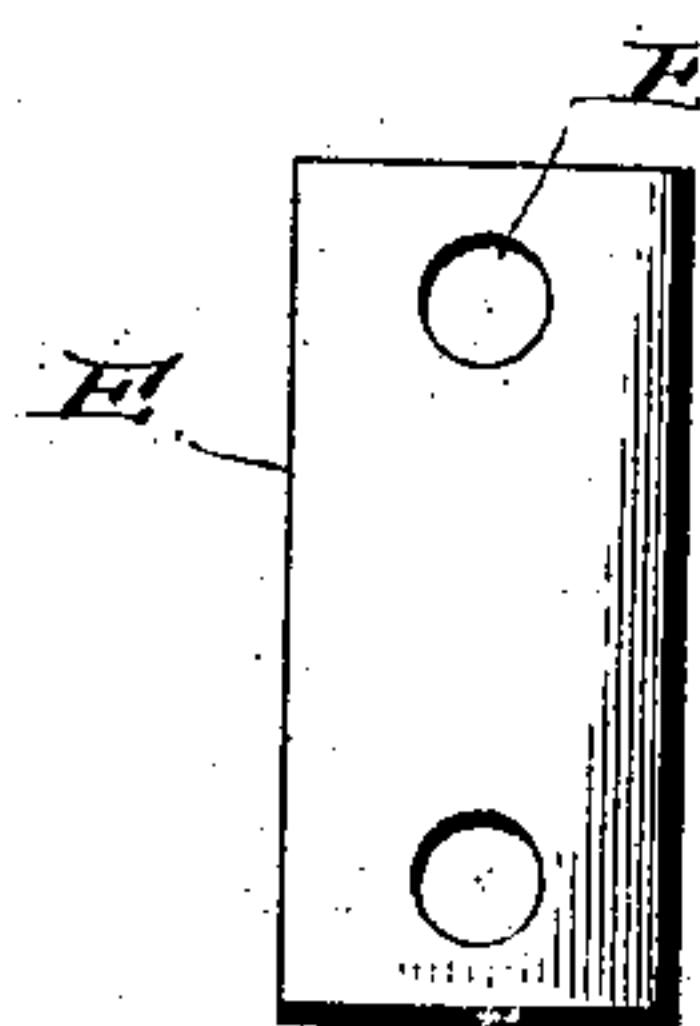
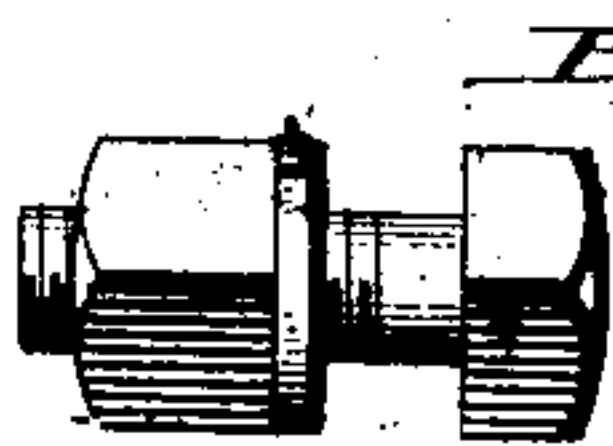


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

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TIE-WIRE CLAMP.

No. 887,896.

Specification of Letters Patent.

Patented May 19, 1908.

Application filed June 21, 1907. Serial No. 380,062.

To all whom it may concern:

Be it known that I, GEORGE WRIGLEY, a citizen of the United States, residing at Greenville, in the county of Greenville and State of South Carolina, have invented certain new and useful Improvements in Tie-Wire Clamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to produce a tie wire clamp which shall be cheap to produce, readily attached to the insulator and to the electric conductor, and which shall hold the two firmly in contact after the said clamp is once in place.

To these ends my invention consists in two U-shaped metallic strips, and each leg of the same preferably broader than the portion joining the two legs. These U-shaped strips may be readily stamped out of sheet metal or any other suitable material, and the legs of the U as readily perforated with the holes shown. After these strips have been produced in the manner indicated, or in any other manner, they are taken in pairs, bent into half circles in any suitable manner, as over a suitable former, for example, or merely around the insulator, and the perforations in the legs of the U's of one set of strips made to register with those in the legs of the U's of another set of strips, as shown in the drawings.

Referring to the accompanying drawings forming a part of this specification: Figure 1 represents an insulator and wire with my tie clamp in place. Fig. 2 represents a side elevation of the clamp and wire without the insulator. Fig. 3 is a plan view of one of the strips out of which my clamp is formed. Fig. 4 is a like view of another strip, and Fig. 5 shows the bolt for securing the parts together.

Like letters refer to like parts in all the views.

A represents the insulator which may be of any suitable construction, B the wire or conductor to be attached to said insulator, and C the U-shaped strips from which my clamp is formed. Each strip C is provided with legs D, and the legs are provided with holes G, as shown. The portion of the U joining said legs is preferably narrower than said legs, although this is not essential.

In operation, the legs D of the clamps are,

or may be bent so as to occupy planes at approximately right angles to the plane of that part of the U which connects said legs. The strips are next bent into approximately half circles, and applied to the insulator. The strips E are next bent over a suitable former and its legs provided with the holes F hooked over the wire, and placed between the legs D of the strips C, as shown in Figs. 1 and 2, with the perforations in each pair of legs registering. After this is done, any suitable fastening H is passed through said perforations, and the whole securely clamped in place.

When the tie is placed on the insulator, as shown in Fig. 1, and the bolt passed through the perforation, the strips E can be adjusted to fit the angle which a conductor assumes when leaving the insulator, thereby obviating a sharp bend in the conductor at this point. This adjustable feature is an important part of my invention as it admits of alinement of the parts, while in no way preventing them from being firmly bound together and fixed in position.

Having now described my invention, what I desire to secure by Letters Patent, is:—

1. A tie wire clamp comprising two strips, each strip having two perforated legs, the perforations in the legs of the one strip adapted to register with the perforations in the legs of the other strip when the clamp is in place, a third strip provided with perforations adapted to pass over the wire and fit between the legs of said first strips and have its perforations register with those in said first strips, and suitable fastening means providing an adjustable joint for and between said strips, substantially as described.

2. A tie wire clamp comprising two U-shaped strips having legs provided with perforations and the strips bent into shape to fit an insulator, a perforation in each leg of one strip adapted to register with a perforation in a leg of the other strip when the clamp is in place, and two other strips provided with perforations and adapted to be bent into loops and slipped over the wire, with the ends of the loops fitting the legs of the first strips and means passing through the perforations in all of the strips and thereby providing an adjustable joint for and between the same, substantially as described.

3. A tie wire clamp, comprising a pair of U-shaped flexible strips having legs provided with perforations and the strips adapted to be bent to fit an insulator, and each leg of the U

bent at a substantially right angle to that portion of the U which connects the two strips, and thereby causing each perforation of the strip to register with a perforation in the other strip when the clamp is in place, a second pair of strips having perforations and adapted to loop over the wire and fit between the perforated legs of the first pair of strips, substantially as described.

10 4. A tie wire clamp comprising a pair of U-shaped flexible strips C, having legs D, of a larger size than the body of the U, and provided with the holes C, said legs occupying planes at substantially right angles to the
15 planes of the said body portions, and said body portions bent into semi-circular forms,

whereby the said holes D of one strip register with the corresponding holes of the other strip when the tie is in place, a second pair of strips E, each provided with two holes F, bent to loop over the wire and fitting between the said legs D with the holes G registering with the holes F and a bolt H passing through said holes G and F, and forming an adjustable joint for and between the parts, substantially as described.

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

GEORGE WRIGLEY.

Witnesses:

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D. A. HENNING, Jr.