

I. BEILIS.

CLAMP.

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998,453.

Patented July 18, 1911.

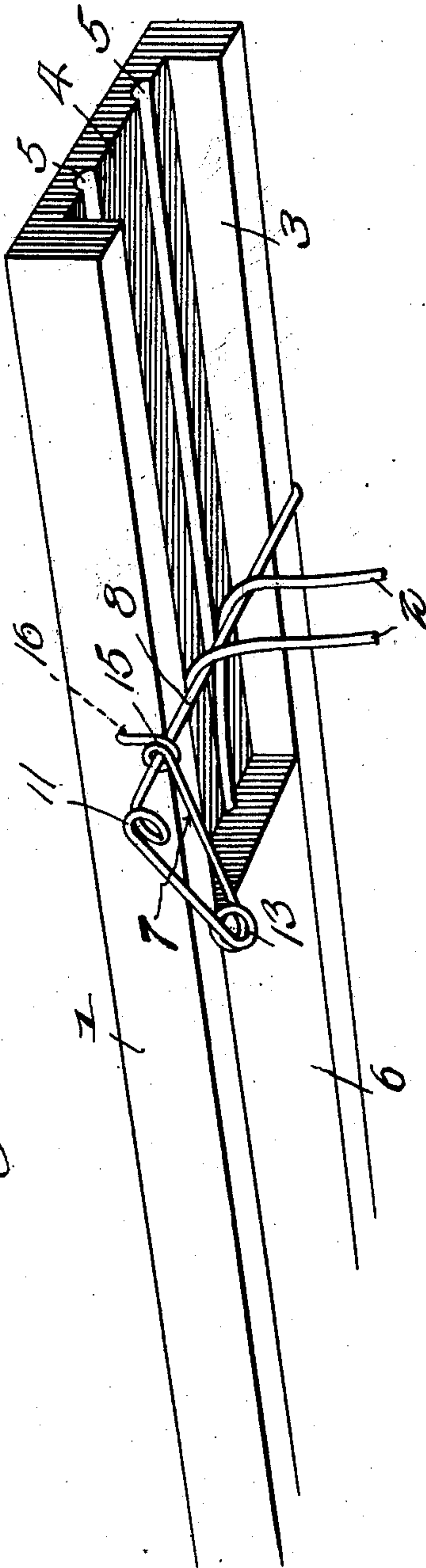


Fig. 1.

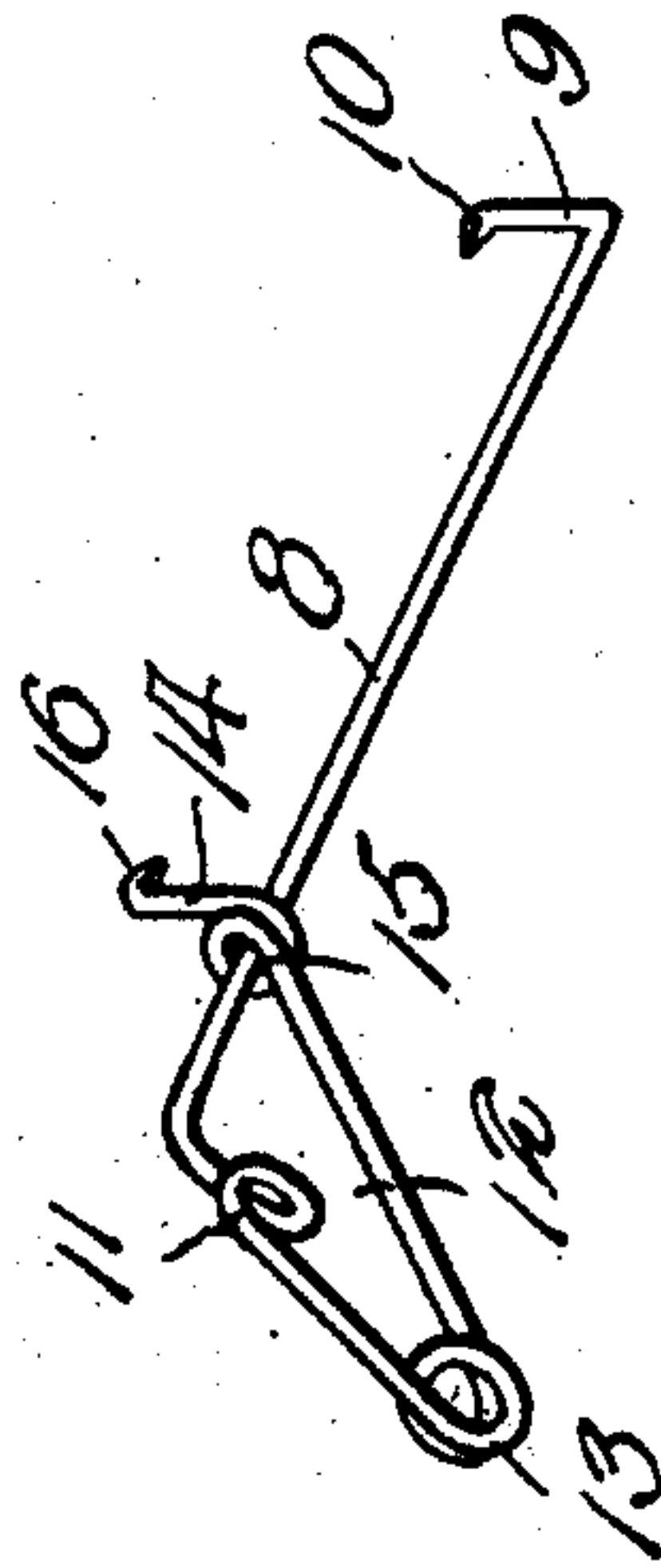


Fig. 2.

Witnesses

Hugh H. Ott
Wm. H. Booth

Inventor

Israel Beilis

By *Victor J. Evans*

Attorney

UNITED STATES PATENT OFFICE.

ISRAEL BEILIS, OF SAN FRANCISCO, CALIFORNIA.

CLAMP.

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To all whom it may concern:

Be it known that I, ISRAEL BEILIS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Clamps, of which the following is a specification.

This invention relates to a device for sustaining electric wires upon the molding adapted for the reception of the same so that the cap for the molding may be readily applied in sections without danger of the wires strung along the molding falling to the ground.

With the above object in view, the invention resides in the novel construction of clamps hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of an electric wire molding illustrating the improved clamp in position for sustaining the extending wires not retained by the cap for the molding. Fig. 2 is a detail perspective view of the clamp.

In the drawings the numeral 1 designates the molding which is adapted for the reception of the electric contact wires 2. The molding 1 is of the ordinary construction, being provided upon one of its faces with a longitudinally extending channel 3, and the wall 4 formed by the said channel is formed with longitudinally extending spaced depressions or channels 5, the same being adapted for the reception of the wires 2.

The numeral 6 designates the cap which is adapted to close the channel 3 and to retain the wires within the longitudinally extending depressions 5.

As is well known in electric wiring, the molding 1 is first positioned along the wall or ceiling where the wire is to be carried. The molding is first attached to the said wall or ceiling and generally extends the entire distance which the wires are to be strung. When the molding is thus positioned the wires 2 are inserted within the depressions 5, and the cap 6 is applied in sections within the channel 3 to sustain the said wires within the depressions 5. The wires are of a length sufficient to cover the entire distance to their points of connection with their socket and as a consequence, parts of the wire drop to the ground from the sections of the cap last applied to the molding 1. This dropping of the wires is a source of

inconvenience as well as a great loss of time to the electrician and it is the purpose of the present invention to provide a simple and inexpensive clamp which may be positioned upon the sides of the molding to effectively sustain the wires 2 within the channel 3 so that the sections of the cap may be easily and quickly applied within the channel and the wires readily positioned within the depressions 5.

The numeral 7 designates the improved clamp. This clamp 7 is preferably constructed of a single strand of suitable resilient material and comprises a longitudinally extending member or body 8, the same having one of its ends offset as at 9 and formed with an intumed biting surface or tooth 10. The body has its opposite end offset at an angle to the offset 9 and is bent upon itself to form a loop 11 which is adapted to serve as a finger hold for the handle portion 12 of the clamp. The lower extremity of the handle 12 is bent upon itself at right angles to the loop 11 to provide an additional loop 13, the same being adapted to add to the resiliency of the clamping projecting portion 14 of the device. This portion 14 is provided with an integrally formed loop or eye 15 which straddles the body 8 and the extremity of the said portion 14 is formed with a tooth 16, the latter being pointed or extended toward the tooth 10 of the offset 9.

By reference to the drawings, it will be noted that the handle 12 is of a substantially V-shaped formation, the portion of the said handle formed with the loop 13 being arranged at a substantially right angle to the body 8, while the portion providing the engaging or clamping member or portion 14 is arranged at an angle to the portion provided with the loop 11, and in operation the handle is held between the index finger and thumb of the operator and the inclined portion of the handle is forced toward the looped portion 11 until the distance between the teeth 10 and 16 is sufficient to straddle the sides of the molding 1. When in this position the fingers of the operator are removed from the clamp and the said tooth, owing to the resiliency of the member 14, will enter the said sides of the molding. By this arrangement it will be noted that the body of the clamp affords an effective bridge for the open face of the molding formed by the channel 3 so that the wires 2 may be retained thereon and prevented from falling

to the ground. Any number of these clamps may be employed, as desired, and from the above description, taken in connection with the accompanying drawings, it will be noted
5 that the device is extremely simple, thoroughly effective, and supplies a long felt want in the art of wiring.

It is to be understood that while I have illustrated and described the preferred embodiment of the device, minor changes, within the scope of the appended claim may be
10 resorted to if desired.

Having thus described the invention, what is claimed as new, is:—

15 In a clamp for the purpose intended, a longitudinally extending body portion, said body portion having one of its ends offset and provided with a tooth, the said body

having its opposite end formed with a substantially V-shaped handle, the outer arm of the handle being provided with a loop arranged at right angles to the said member, the handle being constructed of resilient material, and having its lower extremity looped, the arm extending from said loop
20 being provided with an eye adapted to straddle the longitudinal body, and the said eye being formed with an integral projection having a tooth.
25

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

ISRAEL BEILIS.

Witnesses:

ABRAHAM S. SCHENKET,
HARRY I. KOBLIK.

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