Feb. 3, 1931. S. P. BECKER 1,790,694

WIRE CLAMP

Filed Oct. 17, 1929

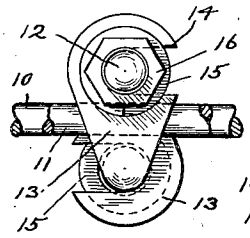


Fig 1

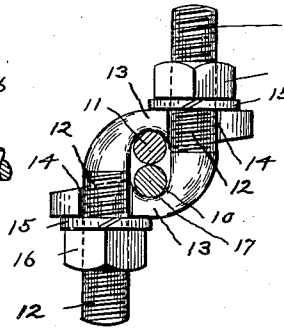


Fig 2

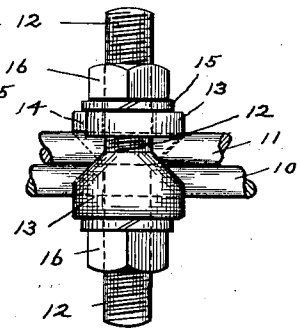


Fig 3

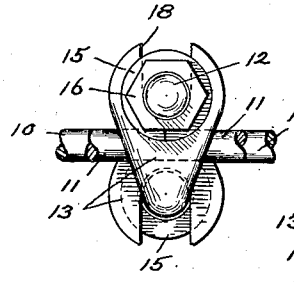


Fig 4

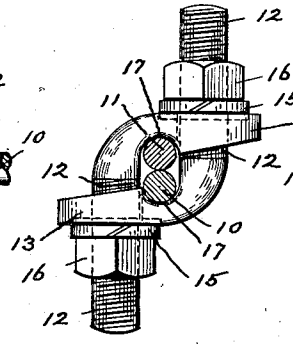


Fig 5

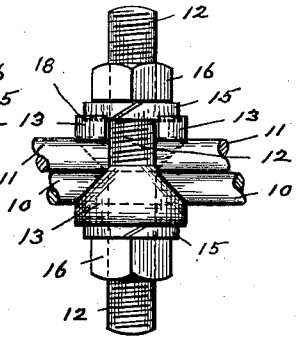


Fig 6

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By his Attorney
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UNITED STATES PATENT OFFICE

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WIRE CLAMP

Application filed October 17, 1929. Serial No. 400,254.

This invention relates to a two part clamp and more particularly to that class which is employed in electrical work for clamping together two bare wires to give both a mechanical and electrical contact.

The object of the invention is to provide a cheap, simple and durable clamp, comprising few parts and those duplicates and interchangeable.

Another object of the invention is to provide a two part clamp which may be attached or detached from the wires without removing the clamping nuts therefrom, thus eliminating loose parts.

Still another object is to provide a wire clamp, adjustable for wires of different sizes and also to hold and clamp more than two wires, and so constructed that a double lock or clamping means is provided.

With these and other objects in view, my invention consists in certain construction and combination of parts as will hereinafter be fully described and claimed, and fully illustrated in the accompanying drawing which forms a part hereof and in which like figures of reference refer to corresponding parts in all of the views, but it is to be understood that slight changes may be made without departing from the spirit of the invention.

In the drawings:—

Figure 1 is top plan view of the clamping, showing the same as applied to two wires.

Figure 2 is a side elevation of the same.

Figure 3 shows a front elevation of the same.

Figure 4 shows a top plan view of a modified form of the device.

Figure 5 is a side elevation of the same.

Figure 6 is a front elevation of the same.

Referring to the drawings:—

Two electrical wires or conductors 10 and 11 are shown, but it is understood that stranded cables may be clamped, and more than two, and of different sizes within the capacity of the clamp.

The clamp comprises two parts which are duplicates of each other and each comprises a threaded stud or bolt 12, which is formed with a head 13 integral therewith and offset at right angles to the stud or body portion 12, and at the junction of the head with the body there is formed upon the under side of the head 13 a groove 17 to embrace the wires.

The threaded portion is provided with the washer 15 and the clamping nut 16.

As shown in Figures 1, 2 and 3, the head 13 is formed with an opening or bore in parallel relation with the threaded portion 12 and adapted to receive the threaded portion of the other member when the two parts of the clamp are assembled together; and this opening is formed with a side opening or slot 14 adapted to allow the threaded portion 12 of the other part to pass therethrough for the purpose of assembling the clamp upon or removing from the wires 10 and 11 without having to remove the nuts 16 and washers 15 therefrom and only requiring that said nuts be slightly loosened or backed off.

In the modified form shown in Figures 4, 5 and 6, the opening or slot 18 is formed in the end of the head 13 in place of the side as shown in the other figures of the drawing.

It is to be understood that this device may be made of any desired material, and that the shape of the head may be varied as desired, as also may the opening formed by the two parts of the clamp for the wires, but that the bolt hole in the head shall be formed with a slot allowing the bolt of the other part to be removed without the removal of the nuts.

By referring to Figure 6 of the drawing, it will be seen that the head 13, may be formed with a depression or recess 18 within which rests the washer 15 preventing the bolt 12 from being removed by sliding out from the slot 18 until the washer 15 is raised from contact with said recess.

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

1. A wire clamp, comprising a pair of identical members, each member comprising a head and a threaded stud at right angles to and integral therewith, said head formed with a slotted opening parallel to the axis of the stud and adapted to receive the stud of the other member, and means for securing said members together.

2. A wire clamp comprising a pair of clamping members, each comprising an L-shaped member formed with a head and a threaded stud at right angles thereto, said heads formed with a U-shaped opening adapted to receive the threaded stud of the other member, and means for clamping said members together.

3. In a clamp of the class described, two cooperating members each formed with a threaded portion and a bifurcated headed end off-set and at right angles thereto and adapted to engage the threaded portion of the other member, each of said headed ends formed with a groove in the lower side thereof adapted to form a clamping surface, and means for holding said members in clamping relation with each other.

In testimony whereof I affix my signature.

STEPHEN P. BECKER.