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C. WALLER.
APPARATUS FOR CUTTING CABLE, &c.
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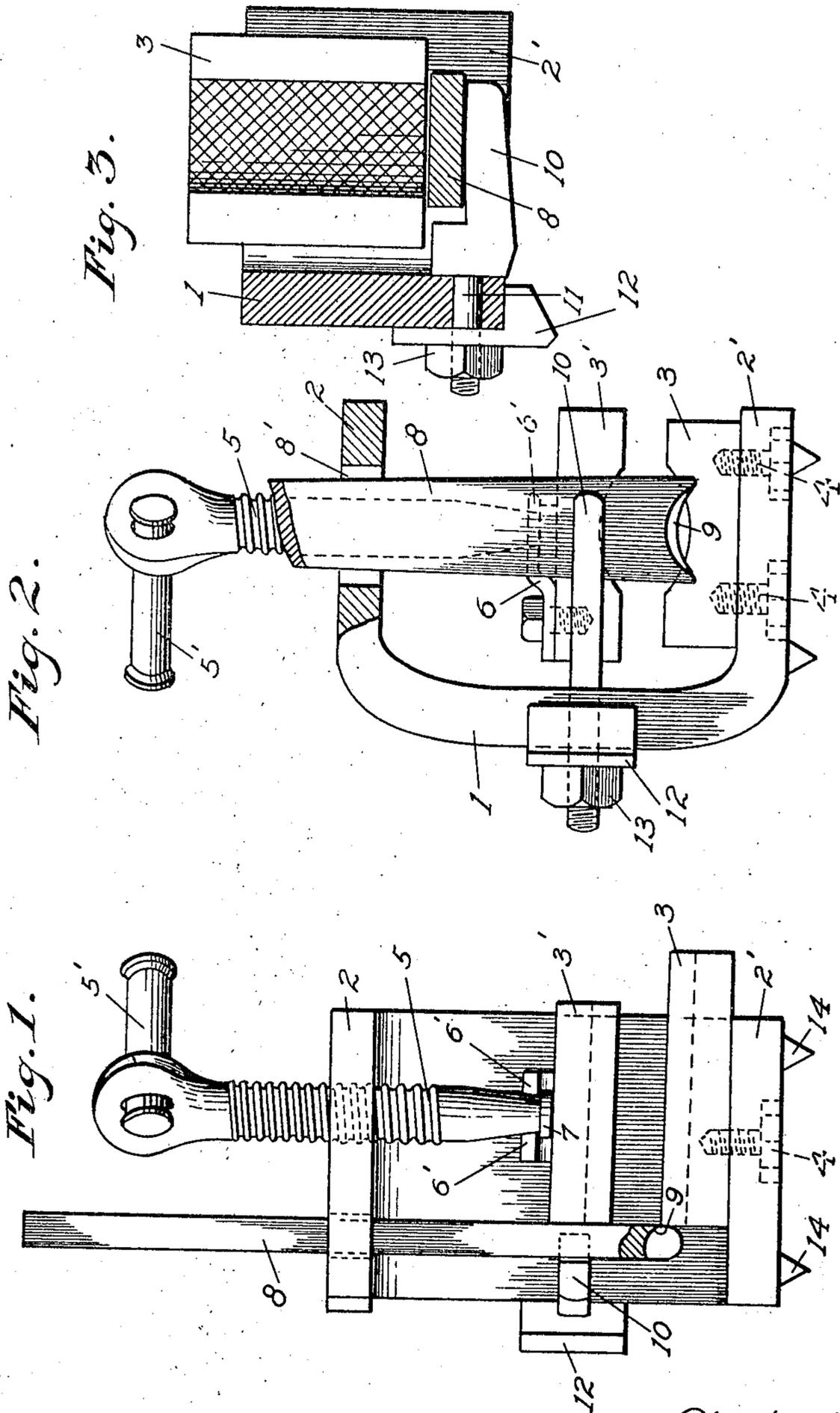


Fig. 2.

Fig. 1.

Fig. 3.

Witnesses

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APPARATUS FOR CUTTING CABLE, &c.

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To all whom it may concern:

Be it known that I, CHARLES WALLER, a subject of the Emperor of Austria-Hungary, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Apparatus for Cutting Cable or the Like, of which the following is a specification.

My invention has for its primary object the provision of a comparatively simple apparatus for cutting wire cable and the like and resides in the constructions, arrangement and combination of parts hereinafter described and succinctly defined in the appended claims.

Referring now to the accompanying drawing, in which like numerals of reference indicate like parts throughout the several views: Figure 1 is a view in front elevation of the present invention; a portion of the cutting means being broken away. Fig. 2 is an end view, parts being broken away, and Fig. 3 is a horizontal sectional view of the device.

The frame of my improved device consists of an upright portion 1 having integral laterally projecting parts 2, 2' herein termed "the top and base" respectively of the frame.

Reference numerals 3, 3' indicate the fixed and movable jaws respectively of the vise, the same having their opposing faces formed with concaved seats for reception of the cable or the like to be cut, and these seats preferably have their faces roughened, as clearly shown in Fig. 3.

The fixed jaw is removably secured to the base 2' in any desired manner a convenient means however consisting of screws 4.

The movable jaw is carried by a screw 5, mounted in a threaded opening in the top of the frame, so that by rotating said screw through the medium of the handle 5' said jaw can be either raised or lowered. The connection between this screw and said movable jaw is such as to permit of the screw freely rotating without imparting such movement to the jaw. This connection as now considered, comprises a bifurcated plate 6 fixed to the upper face of said movable jaw and having its furcations 6' snugly embracing the lower portion of said screw above the annular shoulder 7 thereof.

Related to the vise is a cutter means which comprises a bar 8 slidably mounted in an opening 8' in the top 2 of the frame, and having its lower portion, which is formed

with a semicircular cut out shaped to provide a cutting edge 9, held firmly against the adjacent side faces of jaws 3, 3' by a keeper or guide member 10.

Keeper or guide member 10 consists of an angular arm having a threaded shank 11 projecting through the upright portion 1 of the frame and having on its projecting portion a cutter 12 and a securing nut 13. The body portion of cutter 12 is cut out to provide a shoulder for engagement with the side face of upright 1 so that twisting of the cutter on the upright 1 will be impossible.

In operation, the device is placed on a block of wood or the like with prongs 14 embedded therein, then cutter 8 is elevated and the cable is slipped between jaws 3, 3' with the portion to be severed projecting into the path of the said cutter. The cutter is then lowered so as to rest on the cable, then its upper end portion is struck with a hammer or other suitable instrument.

It will be observed that cutter 8 can be entirely removed from the frame, by sliding the same upwardly through opening 8', whereupon the device can be used as a vise alone.

Cutter 12 is intended for severing the ends of strands of the wire cable which project after the formation of a loop in the cable, or a splice, the frame when said cutter 12 is to be employed, being set on its side so that the strand's end portions can be severed on cutter 12 when struck with a hammer or the like, as is obvious.

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

1. A cutting apparatus embodying a frame, a fixed jaw and a movable jaw carried by said frame and having their front faces in vertical alinement, a vertical cutter of bar form receiving support at an intermediate portion from said frame and at its lower portion from said front faces of the jaws, and a guide member carried by the frame and having a cut out portion to receive said cutter.

2. A cutting apparatus embodying a frame, having a pair of horizontal arms and a connecting arm, a fixed jaw carried by the lower of said horizontal arms, a movable jaw supported from the upper of said horizontal arms, a vertical cutter of bar form loosely passed through the upper arm, and means secured to said connecting arm and

receiving said cutter to guide the same in its cutting movement.

3. A cutting apparatus embodying a frame of U-shape, a movable clamp to clamp
5 the material to one horizontal arm of said frame receiving support from the other horizontal arm thereof, a cutter receiving guiding support from the front end of said clamp,
10 and a guide member shaped to receive said cutter and retain the same in its stated relation to the clamp during the cutting operation, said guide member having a horizontal disposition and being supported from the vertical connecting arm of said frame.

15 4. A cutting apparatus embodying a frame having a vertical arm and horizontal arms leading therefrom, the upper of said arms having an opening therein, a cutter extending through said opening, a rigid jaw on
20 the lower arm having its front face to the rear of the cutter so as to engage and guide the same, a movable jaw carried by the upper arm to the rear of said cutter and having its front face engaged by said cutter, and a
25 horizontal member having a threaded shank

passed through an opening provided therefor in said vertical arm and a nut on its outer end bearing against the outer face of said vertical arm, to hold the guide member rigid, said guide member engaging the front face of
30 the cutter and maintaining the same in guiding engagement with said movable clamp.

5. A cutting device comprising in combination with a frame, a pair of jaws carried
35 thereby and having their front faces in vertical alinement, a cutter of bar form loosely projected through said frame so as to be removable therefrom by a mere lifting movement and receiving guiding support from
40 said front faces of the jaws during its cutting movement, and means to engage the front face of said cutter and retain the same in its stated relation to the jaws during its cutting operation.

Signed at Seattle, Washington this 2nd
45 day of March 1907.

CHARLES WALLER.

Witnesses:

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