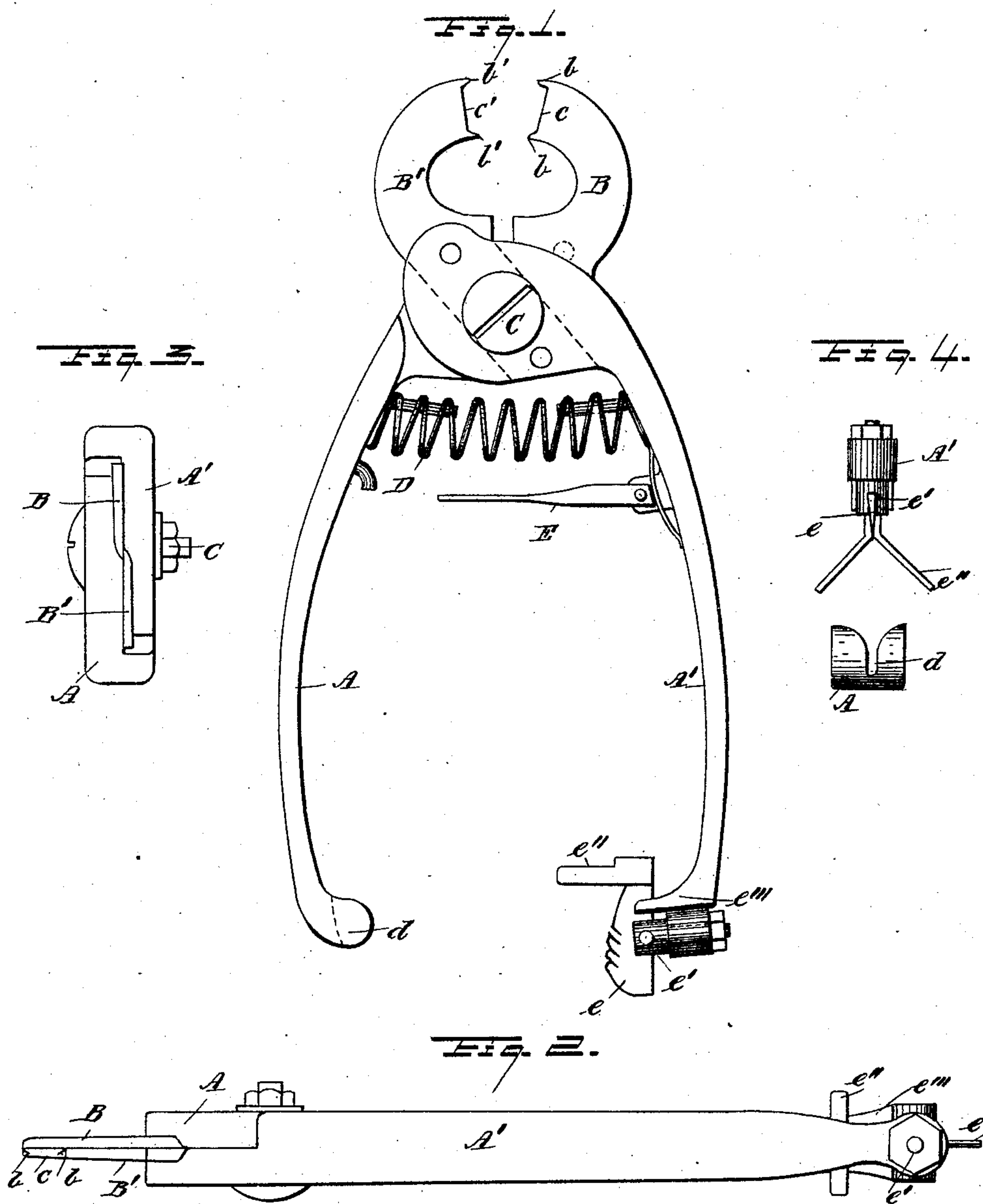


(No Model.)

A. CUTHBERT.
ELECTRICAL WIRE STRIPPER.

No. 470,318.

Patented Mar. 8, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

ARTHUR CUTHBERT, OF MAIDENHEAD, ENGLAND.

ELECTRICAL-WIRE STRIPPER.

SPECIFICATION forming part of Letters Patent No. 470,318, dated March 8, 1892.

Application filed October 6, 1891. Serial No. 407,954. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR CUTHBERT, a subject of the Queen of Great Britain, residing at Maidenhead, in the county of Berks, England, have invented a certain new and Improved Electrical-Wire Stripper, of which the following is a specification.

This invention consists in a hand-tool for slitting the insulating covering of electrical wires and dressing the wire for forming connections, &c.

The improvement consists in the shape and form of the two cutting-blades, which are intended to sever the insulation around the wire, and in the form of cutter and wire-guide for slitting the insulation longitudinally, so that the part severed may be removed from the wire.

In the drawings, Figure 1 is a view of such hand-tool open for use. Fig. 2 is a side view thereof. Fig. 3 is an end view of the one end of the tool closed. Fig. 4 is an end view of the other end of the tool closed.

A A' are the two malleable-iron handles; to which the steel blades B B' are fastened by screws.

C is the pivotal screw or bolt and nut; D, the spring tending to open the tool; E, the connector for keeping the tool closed when not in use.

According to this invention the blades B B' are made with the two dull points *b b' b'* at the extremities of their cutting-edges, these points being sharpened along their inner edges, but not along their outer edges. Between the points *b b* and *b' b'* are sharpened edges *c c'*, which may be straight or curved. The insulating-cover around the wire is cut on the side of the wire nearest the operator by the outer points of the tool and on the side farthest from the operator by the inner points of the tool. The wire itself lies to the outside of the outer points or to the inside of the inner points, and is therefore uninjured by complete closure of the tool.

Having severed the length of insulating-cover to be removed from the remainder, as described, or before doing so, this length is slit from end to end from the periphery to the surface of the wire by drawing the wire between the slot or recess *d* in one of the handles A and the knife *e* on the other. The knife rocks in a socket in the rotary pin *e'* and its lateral movement allows for working on wire that may not be quite straight. A V-guard *e''* on the end of the knife gives the wire a central guiding toward the knife, the same effect being arrived at by shaping the recess *d*, as shown. The lugs *e'''* limit lateral play of the knife *e*. The knife is preferably made with rounded saw-like teeth sharp all round. This form of slitter needs no adjustment, being automatically suited to centrally slit wire of any size from the outside cover to the core with one cut.

I claim as my invention—

1. A tool for severing the covering of covered wire, having the pair of cutting-blades B B', with projections *b b' b'* with dull points sharpened on the inside, and cutting-edges *c c'* between said projections, as set forth.

2. A tool for slitting the covering of covered wire with one slit lengthwise of said wire, having a slot *d* on one arm and a knife *e* on the other arm movable in the central axis of said slot *d* and adapted to slit a covered wire drawn through said slot *d*.

3. A tool for slitting the covering of covered wire, having a wire-receiving slot *d* and a rocking and rotative knife *e*, with guide *e''* thereon, adapted to slit centrally a covered wire drawn through said slot *d*.

In witness whereof I have signed this specification in presence of two witnesses.

ARTHUR CUTHBERT.

Witnesses:

A. J. HADDAN,
A. E. MELHUSH.