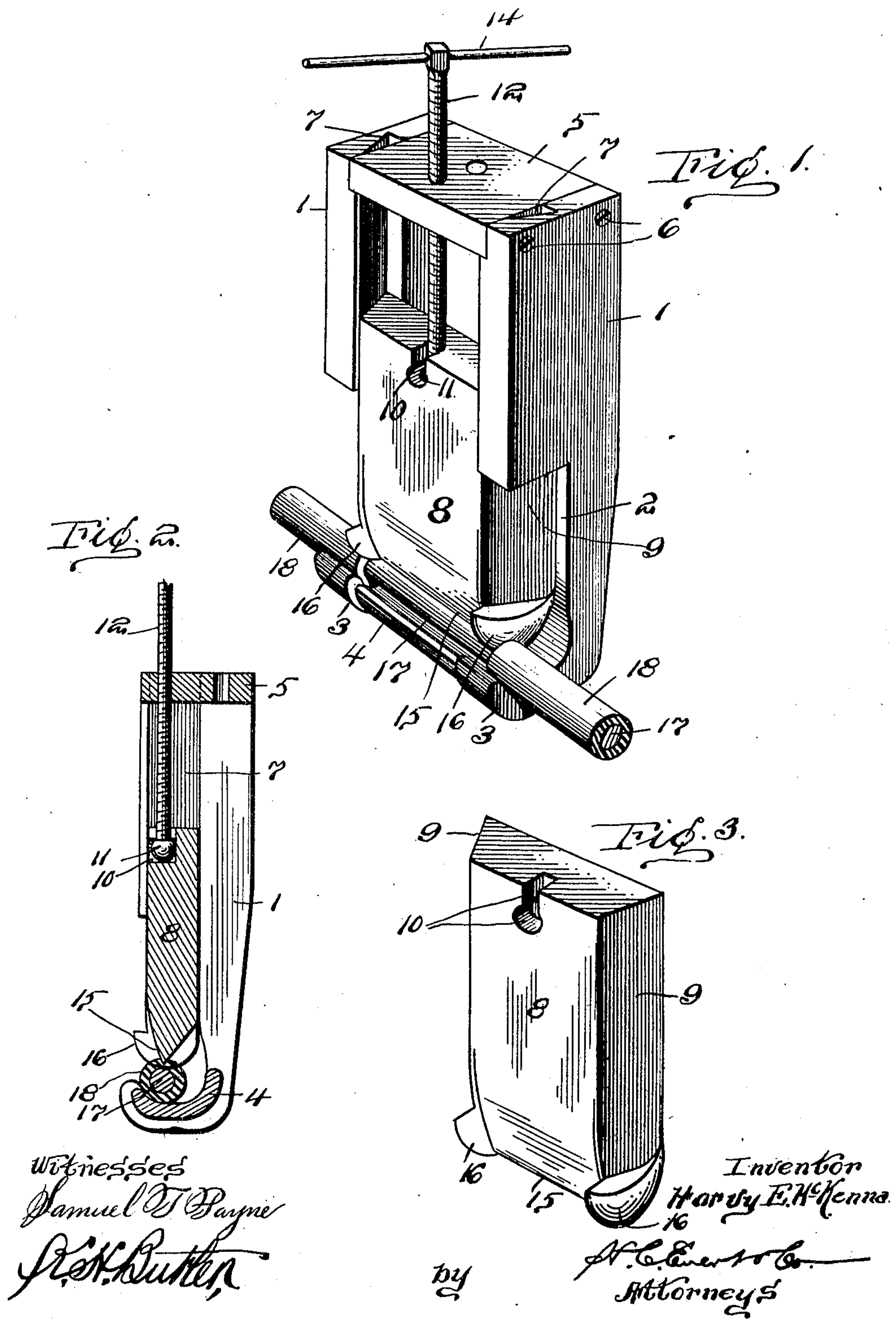


No. 843,353.

PATENTED FEB. 5, 1907.

H. E. McKENNA.
WIRE STRIPPING MACHINE.
APPLICATION FILED APR. 2, 1906.



UNITED STATES PATENT OFFICE.

HARVY EARL McKENNA, OF DONORA, PENNSYLVANIA.

WIRE-STRIPPING MACHINE.

No. 843,353.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed April 2, 1906. Serial No. 309,429.

To all whom it may concern:

Be it known that I, HARVY EARL McKENNA, a citizen of the United States of America, residing at Donora, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Wire-Stripping Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in wire-stripping machines or devices; and the invention has for its primary object the provision of novel means for removing the insulation or binding from a wire or cable.

Another object of this invention is to provide a simple and effective device for removing the insulation or binding of wires or cables in sections, the device being easily and quickly operated to accomplish the above result.

A further object of this invention is to provide a manually-operated device having a vertically reciprocating or adjustable cutter-head adapted to impinge upon a piece of wire and sever the insulation or binding thereof when the piece of wire is rotated or turned within the device.

The detail construction entering into my invention will be hereinafter more fully described and specifically claimed.

Referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views of the drawings, in which—

Figure 1 is a perspective view of my improved device. Fig. 2 is a vertical sectional view of the same, and Fig. 3 is a perspective view of the cutter-head of the device.

To put my invention into practice, I construct the device of two side frames 1 1, the lower ends of the frames being cut away, as at 2, to form hook-shaped supports 3 3. Between the supports is arranged a transverse curved plate 4, while between the upper ends of the frames 1 1 is secured a head-plate 5, said plate being secured to the frames 1 1 by screws 6 or similar fastening means.

The confronting sides of the frames 1 1 are provided with wedge-shaped grooves 7 7, and in said grooves is mounted a cutter-head 8. The vertical edges of the cutter-head are beveled, as at 9 9, to engage in the grooves 7 7. The top edge of the cutter-head 8 is slotted and recessed, as at 10, to receive the

headed end 11 of a vertically-disposed screw 12, said screw passing through the head-plate 5 and carrying a suitable handle or lever 14 upon its upper end, whereby the head 8 can be easily and quickly raised and lowered between the frames 1 1.

The lower edge of the head 8 is beveled to form a knife blade or edge 15, while the beveled edges 9 9 of the head are provided at their lower ends with cutters 16 16.

When it is desired to strip a piece of wire or a cable 17 of its insulation or binding 18, the pieces of wire are placed upon the supports 3 3 and the plate 4, at which time the cutter-head 8 is lowered to engage the wire or cable 17. By forcing the cutter-head 8 into engagement with the insulation or binding 18 of the wire or cable the insulation or binding is severed longitudinally by the knife blade or edge 15 of the cutter-head, while the cutters 16 16 enter the insulation or binding 18. When the wire or cable is rotated, the cutters 16 16 sever the insulation 18, while the knife blade or edge 15 serves functionally to strip the wire or cable 17 of the severed piece of insulation or binding.

I do not care to confine myself to the use of the screw 12 for reciprocating or raising or lowering the cutter-head, as an eccentric, cam, or other equivalent may be used in lieu of the screw 12.

I preferably construct my improved device of strong and durable metal, and where the device is not being used as a fixture secured to a suitable support it can be readily carried in a lineman's kit for severing the insulation or binding of wires or cables.

Such changes in the details of construction as are permissible by the appended claims may be resorted to without departing from the spirit and scope of the invention.

Having fully described my invention, what I claim is—

1. A stripping device for wire, consisting of a frame, hook-shaped supports carried by said frame, a curved plate carried by said supports, a cutter-head slidably mounted in said frame and having a knife-edge, transverse cutters carried by said head, and means supported by said frame to raise and lower said head, substantially as described.

2. A stripping device for wire, consisting of a frame adapted to support a piece of wire, a cutter-head slidably mounted in said frame and having a longitudinally-disposed knife-edge, transverse cutters carried by said

head, and means carried by said frame to move said cutters and said knife-edge into engagement with a piece of wire supported by said frame, substantially as described.

5 3. A wire-stripping device comprising a frame, cut away in the front and provided at its lower end with a support for the wire to be stripped, a cutter-head reciprocable in the frame toward and away from the wire-sup-
10 port and provided with a knife-edge, cutters carried by said cutter-head at the ends of the knife-edge, and means operating through the head of said frame and engaging the cutter-head for reciprocating the latter in the frame.

15 4. A wire-stripping device comprising a

frame, embodying side frames cut away on the front and provided at their lower ends with wire-supports, a head connecting the side frames at their upper ends, and each side frame being grooved on its inner face, a cut- 20 ter-head reciprocable in said grooves, transverse cutters carried by said head, and operating means mounted in the head and engaging the cutter-head for actuating the latter.

In testimony whereof I affix my signature 25 in the presence of two witnesses.

HARVY EARL McKENNA.

Witnesses:

WM. G. HOPTON,
J. H. DAUGHERTY.