WIRE CUTTING ACCESSORY FOR TOOLS

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WIRE-CUTTING ACCESSORY FOR TOOLS

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2 Claims. (Cl. 30—239)

1. This invention relates to a wire cutting accessory for a tool devoted to purposes other than wire cutting. It has been customary in the prior art to provide a wire cutting accessory to a tool but heretofore it has been done in such a manner that to renew the wire cutting elements it has been necessary to disassemble the whole tool and in some cases to discard some of the tool parts in order to renew the wire cutting elements. The main object and feature of this invention is to provide a wire cutting accessory for a tool constructed and arranged in such a way that it can be readily attached to and detached from the tool without destroying the latter or parts thereof; moreover, the accessory can be readily attached to new existing tools without rebuilding them.

In the accompanying drawing, the invention is disclosed in a concrete and preferred form, in which:

Fig. 1 is a view in elevation, of one side of a tool showing the wire cutting accessory attached thereto, the tool being shown in its closed position;

Fig. 2 is an end view, looking in the direction of arrow 2 of Fig. 1;

Fig. 3 is a view similar to Fig. 1 but showing the tool in its open position;

Fig. 4 is a view similar to Fig. 1 but showing the other side of the tool with parts broken away, the tool being in its closed position; and

Fig. 5 is a view similar to Fig. 3, showing the other side of the tool, with the parts in their open position.

The tool selected for illustration is a seal press such as is used for the purpose of compressing a body of lead or other material to produce a seal, and, as shown, the tool comprises a plurality of pivotally connected members. Of these members, 10 indicates a bifurcated carrying member adapted to receive, within its bifurcated portion, two pivotally supported tool members 11 and 12, pivotally mounted within said bifurcated members at the points indicated by 13 and 14. 15 and 16 indicate handle extensions of said pivotally supported tool members. 16 and 17 indicate the surfaces adapted to engage the body of lead or other material to be deformed and sealed. The tool is kept in its open position by means of a spring 18, and 19 indicates a cam face on tool member 12 for overcoming the tension of spring 18 and bringing the members 16 and 17 toward each other. 30 indicates a strap for holding the tool in its closed position when not in use.

20 and 21 indicate two plates constituting complementary cutting elements which, when brought into overlapped relation, will sever a strand of wire. Plate 20 is attached to the outer side surface 22 of bifurcated member 10, and it will be seen that this can conveniently be done by using the bolts and nuts 23 and 24 that constitute the pivotal supporting means for tool members 11 and 12. The other cutting element 21 is pivotally connected to 25 to the first-mentioned cutting element, and it will be noted that this point is eccentric with respect to pivotal points 13 and 14. Carried by said other cutting element 21 are connecting means 26 and 27 that are constructed to follow the pivotal movement of tool member 12 and to be slidingly connected with said member.

It will be seen, from the foregoing, that cutting elements 20 and 21 can readily be removed from the tool and a new set attached thereto. Also, a person owning a tool such as shown in the drawing, when supplied with cutting elements 20 and 21, can readily apply these elements to the tool which he already possesses.

I claim:

1. A wire cutting accessory to a tool that is composed of a plurality of pivotally connected members, said accessory consisting of two plates constituting complementary cutting elements, one of said cutting elements attached to one of the members of the tool, the other cutting element pivotally connected to the first-mentioned cutting element, and connecting means carried by said other cutting element constructed to follow the pivotal movement of, and to be slidingly connected to, one of said tool members.

2. In a tool, the combination with a bifurcated carrying member adapted to receive within its bifurcated portion pivotally supported members, of two plates constituting complementary cutting elements, one of said plates attached to the exterior side face of said carrying member, the other cutting element pivotally connected to said first-mentioned cutting element, and connecting means carried by said other cutting element constructed to follow the pivotal movement of, and to be slidingly connected to, one of the members that is pivotally supported within the bifurcated member.

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No references cited.