Aug. 22, 1944. J. T. IVY 2,356,672

SNIP

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Fig. 1.

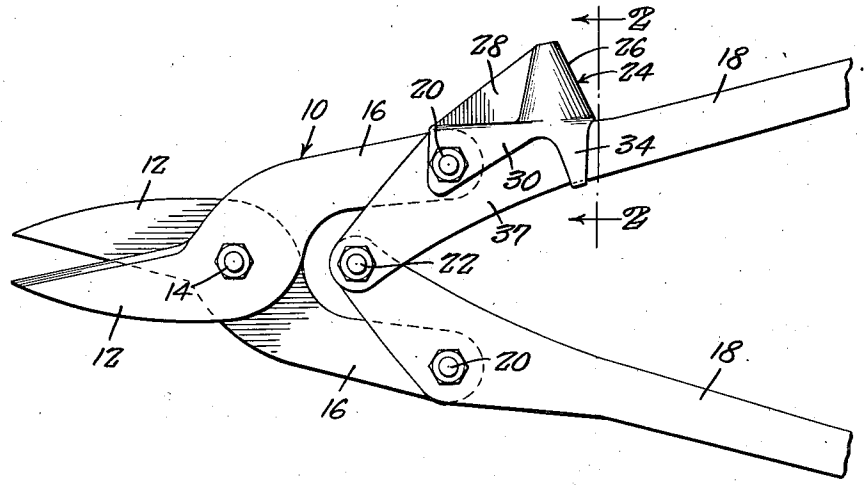


Fig. 2.

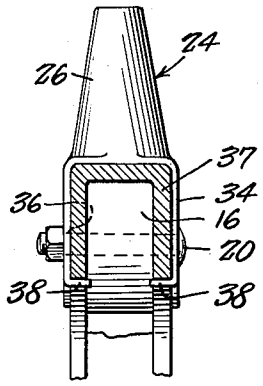
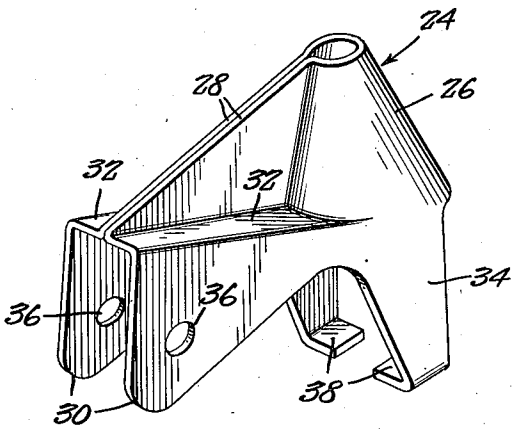


Fig. 3.



Jessie T. Ivy, INVENTOR.

BY Victor J. Evans & Co.

ATTORNEYS

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Fig. 4.

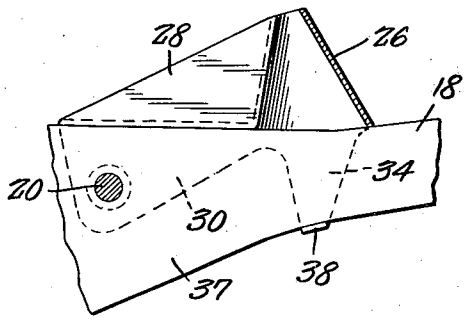


Fig. 5.

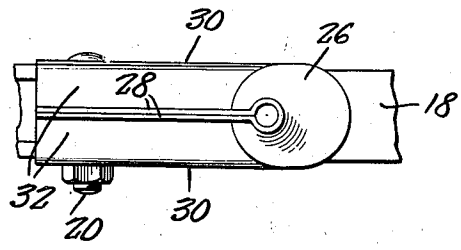


Fig. 6.

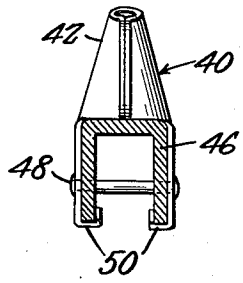


Fig. 7.

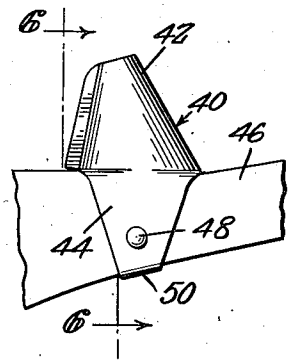
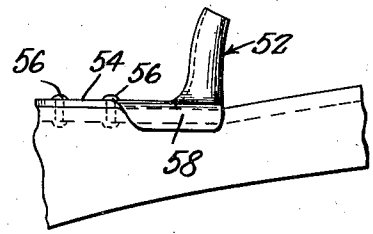


Fig. 8.



Jessie T. Ivy,
INVENTOR.

BY
Victor J. Evans & Co.
ATTORNEYS

Patented Aug. 22, 1944 2,356,672

UNITED STATES PATENT OFFICE

2,356,672

SNIPS

Jessie T. Ivy, Seattle, Wash.

Application September 14, 1943, Serial No. 502,375

4 Claims. (Cl. 30—252)

My invention relates to hand operated tools, such as snips and other devices having pivoted actuating handles, and has among its objects and advantages the provision of an improved thumb rest.

In the accompanying drawings:

Figure 1 is a side view of a conventional type of sheet metal cutting snips showing my invention applied thereto.

Figure 2 is an enlarged sectional view along the line 2—2 of Figure 1.

Figure 3 is a perspective view of the thumb rest detached from the tool.

Figure 4 is a longitudinal sectional view of the thumb rest.

Figure 5 is a top view.

Figure 6 is a view taken from the position indicated by line 6—6 of Figure 7.

Figure 7 is a side view of a modified form of thumb rest, and

Figure 8 is a side view of a further modification.

In the embodiment of the invention selected for illustration, Figure 1 illustrates a tool 10 of the metal cutting snip type wherein the cutting blades 12 are pivotally connected at 14 and are provided with levers 16 pivotally connected with hand levers or handles 18, as by bolts 20. The handles 18 have their forward ends pivotally connected together, as at 22, which pivotal connection is located forwardly of the bolts 20.

To one of the handles 18 is attached a thumb rest 24. Figure 3 illustrates the specific construction of the thumb rest. This rest is stamped from sheet metal and is shaped with a conical body 26 continuing into flanges 28 arranged face to face and connected with spaced and parallel flanges 30 through the medium of right angular portions 32. The flanges 30 continue into arms 34. Each flange 30 is provided with an opening 36 for the reception of the bolt 20 of the handle 18 to which the thumb rest is connected. The lever 16 fits between the wings 37 of the handle 18, and the flanges 36 and the fingers 34 fit snugly to the outside faces of the two wings. The fingers 34 are bent underneath the handle 18 to provide lugs 38 which engage underneath the handle and function to provide a firm connection between the thumb rest and the handle, in cooperation with the bolt 20.

The thumb rest provides a body on one of the handles which permits relaxing of the thumb on the rest. More important, the thumb rest constitutes an abutment which aids in restraining the hand from sliding forwardly on the handle so that a more effective grip may be had on the two handles, thereby insuring good leverage, which is particularly important when manipulating the snips in difficult places and when doing heavy duty service.

Figures 6 and 7 illustrate a modification in that the thumb rest 40 comprises sheet metal bent to provide a conical abutment 42 and flanges 44 which snugly embrace the outer faces of the handle 46. A rivet 48 is passed through the flanges and the handle, and the flanges are bent about the lower edge margins of the handle, as at 50.

In Figure 8, the thumb rest 52 is bent from sheet metal and is provided with a flat portion 54 which is riveted at 56 to the handle. This rest includes a U-shaped part 58 which has close fitting engagement with the outer sides of the handle.

Without further elaboration, the foregoing will so fully explain my invention, that others may, by applying current knowledge, readily adapt the same for use under various conditions of service.

I claim:

1. In a device of the type described including a handle, a thumb rest comprising a conically shaped body projecting laterally from the handle, flanges on said body embracing side faces of the handle, and fingers extending across said side faces and bent partly about the handle to attach the thumb rest thereto.

2. In a device of the type described, the combination of a handle, a thumb rest, said thumb rest comprising sheet metal bent to provide a conical body and flanges embracing the handle, a riveted connection between the flanges and the handle, and lugs bent in said flanges for engaging the handle and additionally connect the thumb rest thereto.

3. A thumb rest for cutting tools, comprising an integral sheet metal body, one part of which is bent to provide a hollow, upstanding member functioning as an abutment and rest for the thumb, parts of the body extending from the base of the upstanding thumb rest portion bent downwardly and relatively spaced apart to provide portions engaging the cutting tool handle to hold the device thereon.

4. A thumb rest for cutting tools, comprising a sheet metal body bent to form a thumb rest portion, and portions engaging the cutting tool to hold the device thereon, the thumb rest portion being bent in the form of a hollow cone, and the portions engaging the cutting tool bent to form depending spaced apart portions engaging about the handle of the cutting tool, and other portions extending forwardly and down from the body to provide means for attaching the device to the cutting tool.

JESSIE T. IVY.