

This tool is intended to be used in conjunction with the conversion kits (eg Part No 2-335) which allow wooden underframes (eg Part No 2-330) to be adapted to represent steel chassis versions. Its function is to permit the narrow flanges along the edges of the steel buffer beams and solebars to be bent square without difficulty.

The tool is supplied as a kit of loose parts consisting of two outer plates and an etched spacer (6 thou' thick) which have to be assembled using the four screws, washers and nuts (See Fig 1). It is important that the two outer plates are assembled copper face inwards. The spacer is 0.5 mm narrower than the outer plates, thus forming a slot along the edge of the assembled tool. Check that the slot is of equal depth along its length by slipping in an etched solebar as in Fig 2. The bottom of the 1/2-etch bend line should be aligned with the top edge of the tool and seen to be parallel.

To bend a flange at right angles insert the edge of the etched solebar or buffer beam into the slot. The inner spacer is cut away at the centre to clear the 'V' hanger or the mineral wagon door stops which are part of the solebars. The 1/2-etch bend line should be seen just above and parallel to the top edge of the tool. Place a block of metal which has sharp square corners (eg the base of an engineer's square) behind the etching and carefully bend it over. The edges of the tool outer plates are machined to a slight angle allowing the flanges to be bent over to a little more than 90 degrees. The springiness of the etched metal causes the bend to revert to a right angle when pressure is released. Fig 3 illustrates the method for bending two flanges.

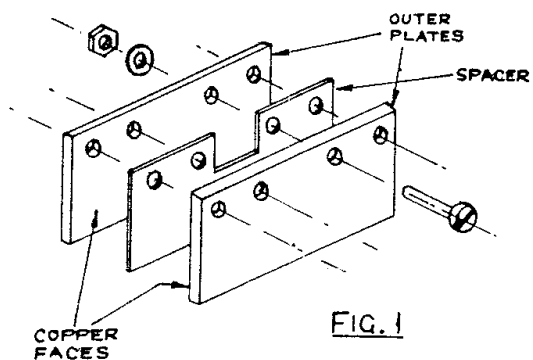


FIG. 1

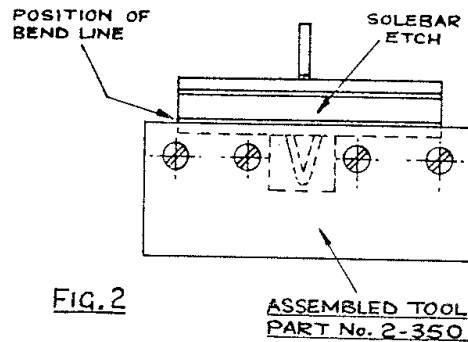


FIG. 2

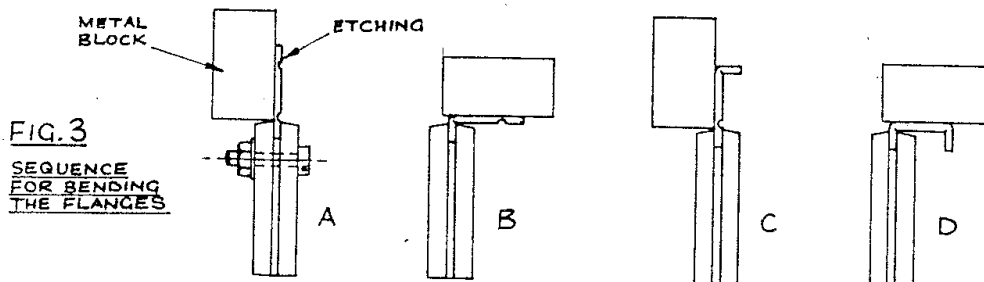


FIG. 3