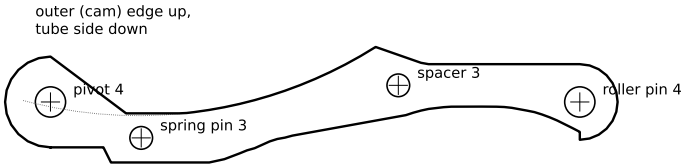
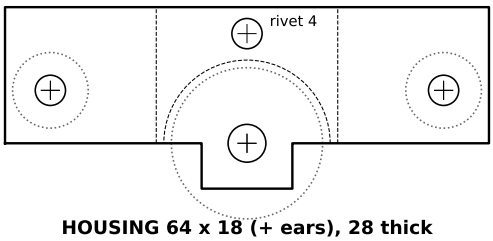
# Tubing cutter after Lutsker, US 2,870,536 (1959) - our sizes

1:1. Arm plate (cut 4), housing and guide block (front views). Wheel centre = housing origin.

+ cam centre: the cam edge is an arc R 58.8 about this point



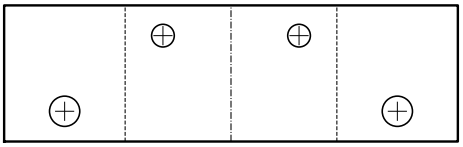

**ARM PLATE - cut 4 (two per arm; flip one of each pair)**




forked ends: slot 14.4 wide,
20 deep from each end (dashed);
housing rollers 10 x 14 on 4 mm pins

wheel slot 7 wide up to the dashed arc;
ears 12 wide, shaft hole 5 at the origin

**HOUSING 64 x 18 (+ ears), 28 thick**



forked ends from x 14 (dashed), slot 14.4;
pivots 4 mm at 22 either side, 4 up;
spring pins 3; M10 tapped up the middle

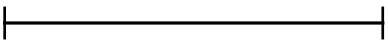
**GUIDE BLOCK 60 x 18, 28 thick**

Housing and block: grooves 20 wide, 3 deep, down both faces for the guide's legs.

Guide: 20 x 3 flat bar bent into an inverted U, legs 22 apart inside, 69 mm high; 10.5 hole in its top.

Lower rollers 12 x 7.6; arm pairs spaced 8 apart by tubes on the pivot and spacer pins.

Pivot heights: 25.5 mm (42 mm tube) to 48.4 mm (10 mm tube) above the wheel centre.



50 mm: print at 100 %