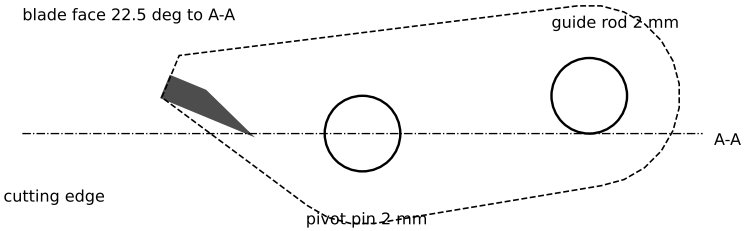
Swivel-blade peeler after De Vault (US 2,106,796, 1938) - parts at 1:1, print at 100 %. Sizes ours; 22 1/2 deg and the 1/3 pivot from the patent.

1. BLADE BLANK, 0.6 mm carbon steel strip, flat. Cut on the solid lines; the paddle is free (sawn) where it meets the blade, except across the 2.5 mm blade end (dashed = fold line). Cutting edge = top edge of the 2.5 mm strip. Drill both 2 mm holes in each paddle flat, then fold 90 deg.



blade 44 x 2.5 mm

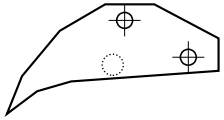
2. END VIEW 5:1 (not for measuring)



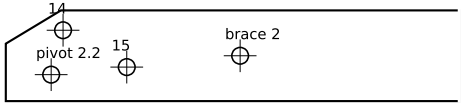
pivot on A-A, 3 mm from the edge = 1/3 of 9 mm

dashed: the folded paddle; pull direction = towards the rod (rod leads)

4. EYE TRIMMER 1:1 (0.6 mm carbon steel). Two 2 mm rivet holes;
dotted: 2.8 mm clearance for the pivot pin end. Sharpen the point and the curved edge.



3. HANDLE STRIP END 1:1 (12 x 1.5 mm stainless), front end of a leg.
Holes 14 and 15 in ONE end only (the trimmer side). Mirror the other end.



from the end / up from the lower edge (mm): pivot 6.0/3.5, 14 7.6/9.4,
15 16.0/4.5, brace 31.0/6.0. Corner cut away 7.3 along the top, 4.4 down the end.

Strip 295 mm. From each end: 43 straight, two R10 bends of 57 deg (an S, outwards),
31 straight, then the middle 107 mm bent round R34. Legs 48.2 mm apart inside.



check: 50.0 x 10.0 mm at 100 %