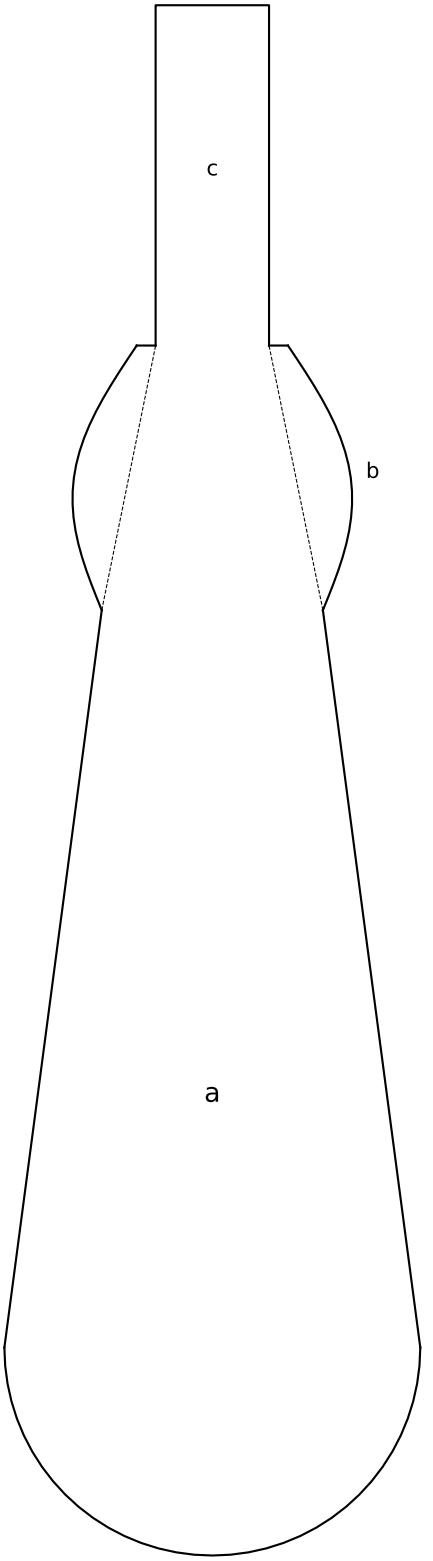
Tubular-tang shoe horn after Williams, US 685,548 (1901) - our sizes

1:1 blank, as his Fig. 1. 0.8 mm brass. Dashed lines (his a') = where the wings fold over.



a body, 160 long, 55 wide at the mouth, 20 at the neck

b wings, 35 long, 6 proud of the edge

c tongue, 15 wide, 45 long

(rolls close round a 4 mm rod)

1 Saw or snip just outside the line, file to it.

2 Roll the tongue c close round a 4 mm rod: the tang.

3 Fold each wing b over its edge, onto the underside.

4 Dish the body a little across its width.

5 Epoxy a hardwood handle on the tang.

50 mm: print at 100 %