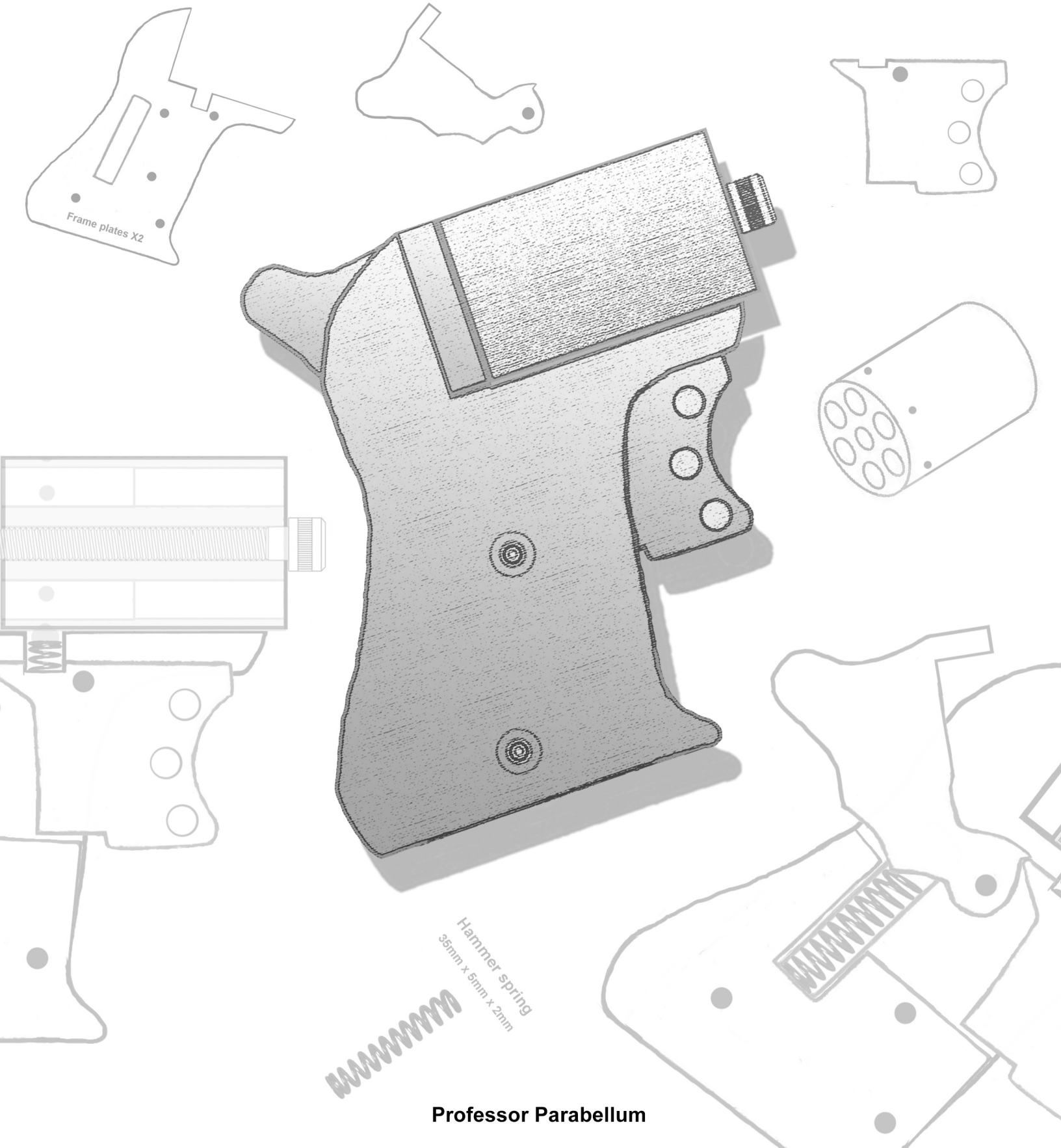
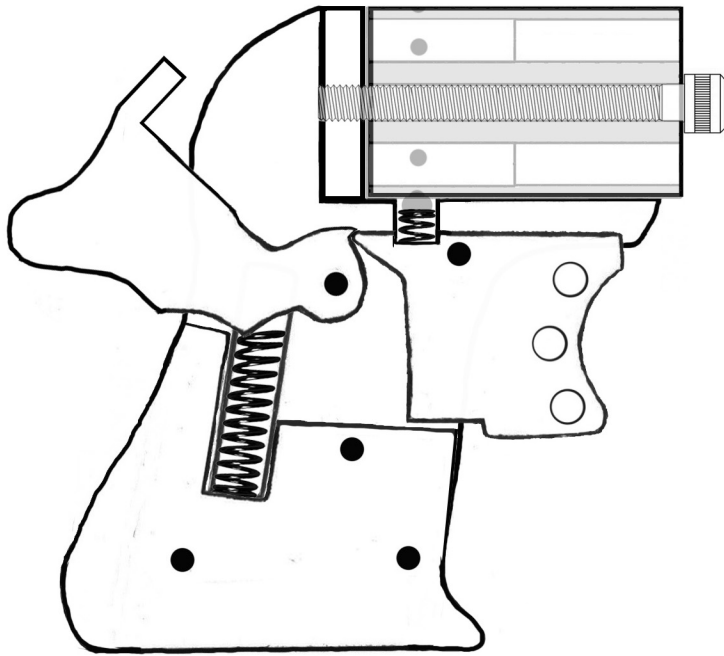
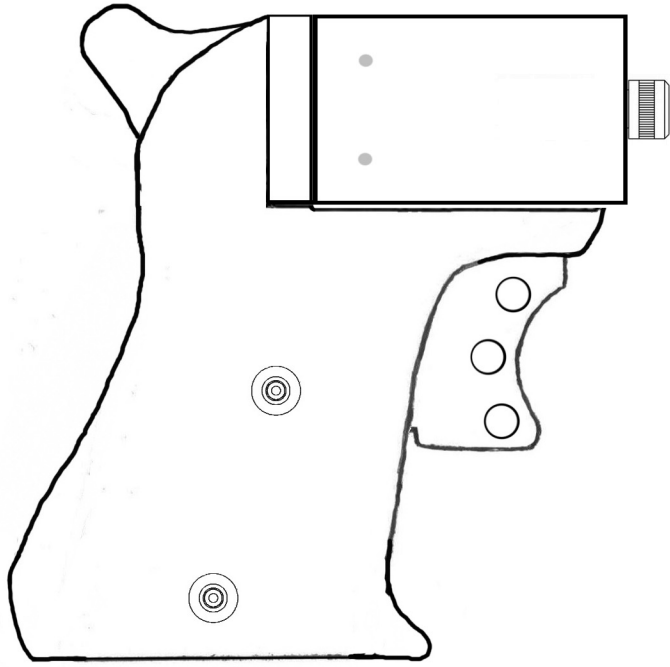


.22 Pepper-box

Construction plans

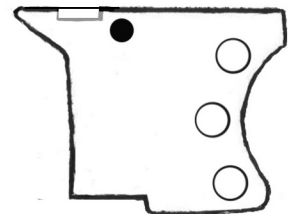
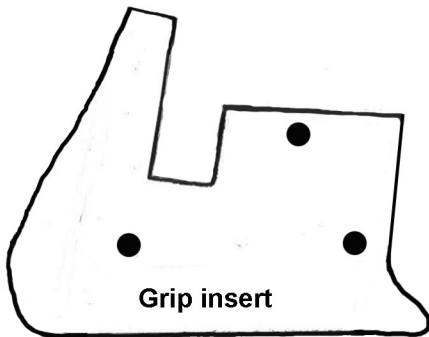
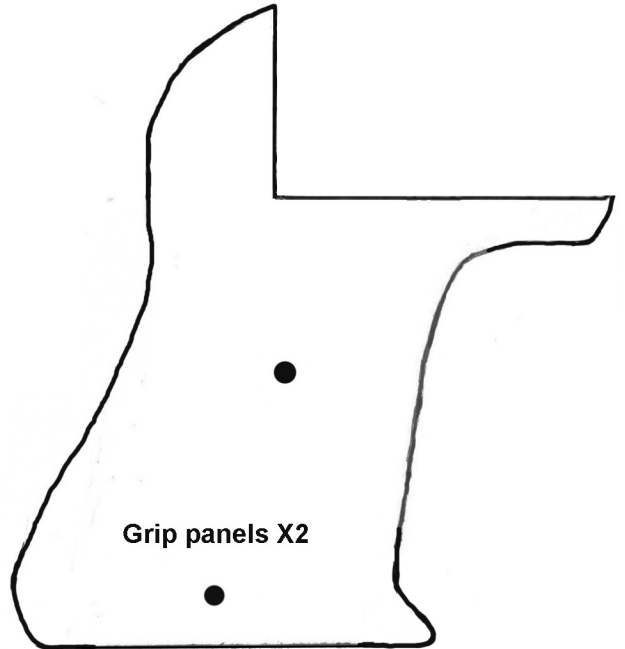
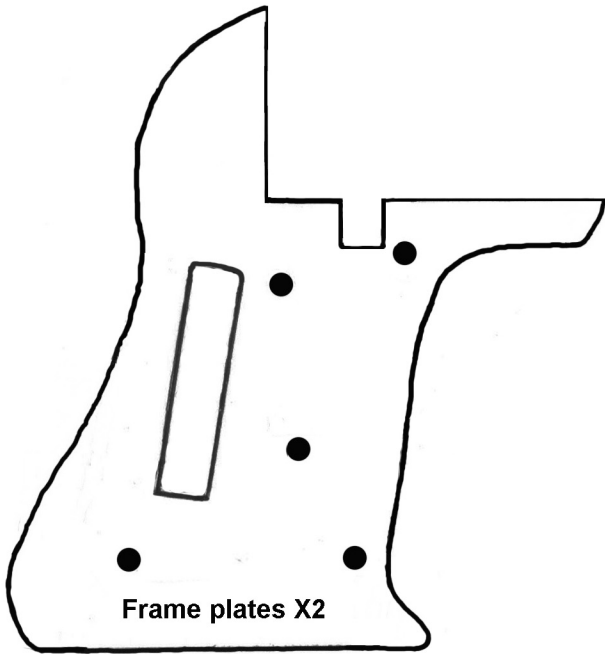


Hammer spring
35mm x 5mm x 2mm



Frame and trigger templates

All holes are 3mm. Secure internal components using 9mm long 3mm dia pins. Secure grips using 20mm long M3 bolts + nuts.



Pin or weld between frame plates

Hammer spring
35mm x 5mm x 2mm



Trigger spring
(Off-cut)



4mm ball bearing
detent



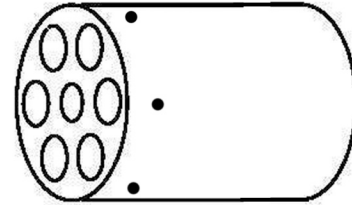
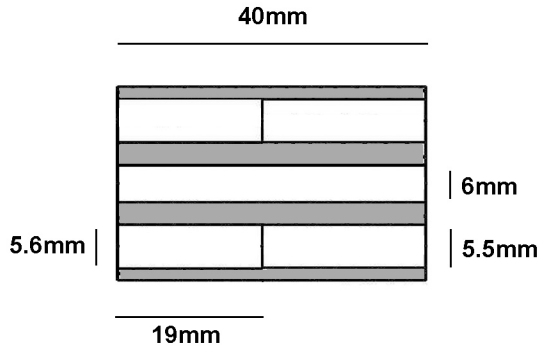
2 inches

Print on 8.5x11 US letter paper

Cut all pieces from 3mm or 4mm thick mild steel plate

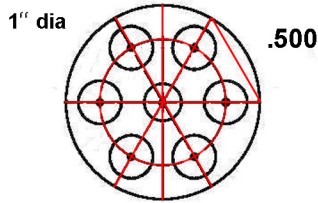
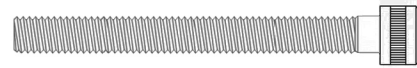
Cylinder

1 inch dia mild steel round bar, 40mm long



Cylinder pin

M6 x 50mm long allen head bolt



Inner circle: .320 from center

Scribe two lines crossing the center of the cylinder forming an 'X'. Measure .500" from one of the lines at the very edge of the cylinder and following a clockwise pattern draw another .500" line moving around the circle. From the center set a compass to .325" and scribe an inner circle to find the six points to mark for the chamber holes. Each hole is drilled with a 5.5mm bit and chamfered with a 5.6mm bit. The central hole for the cylinder pin is drilled with a 6mm bit.

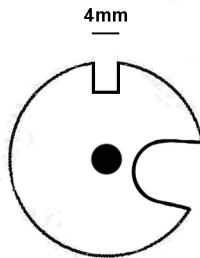
(Adapted from 'Homemade 22-Caliber Revolver')

Breech plate

6mm (1/4") thick mild steel plate - can be cut from the same 1" round bar used for the cylinder

Center hole is 5mm. Add threads using a 6mm x 1.0 tap for cylinder pin bolt.

Add a 1mm thick, 6mm ID washer between cylinder and breech plate to allow tightening of cylinder pin. Secure threaded portion using loctite.



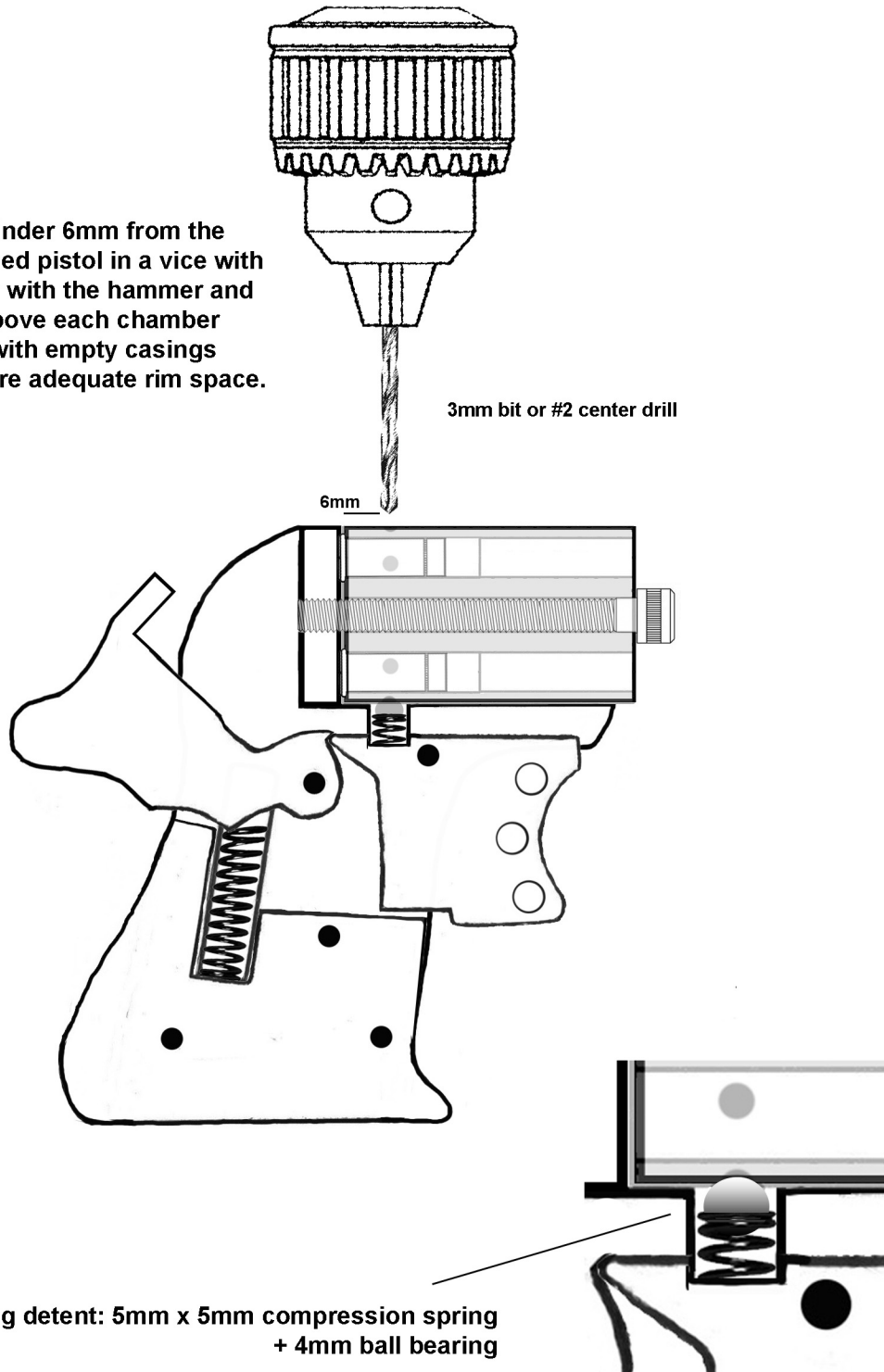
Loading port
(Retains cartridges when detent locks)

(Weld to frame)

2 inches

Timing the cylinder

Mark a band around the cylinder 6mm from the breech end. Clamp assembled pistol in a vice with a chamber aligned centrally with the hammer and drill a shallow detent 'pit' above each chamber on the marked band. Load with empty casings during this process to ensure adequate rim space.



Cylinder indexing detent: 5mm x 5mm compression spring + 4mm ball bearing