

THE KHYBER PASS PISTOL



Practical Scrap Metal Small Arms Vol.4

By Professor Parabellum

Introduction

Contained herein are plans for the construction of a basic single-shot pistol of a typical patent hand-made by underground gunsmiths in parts of Pakistan and India. The rugged nature of this particular design lends itself for construction as either a pistol, shotgun or rifle with a wide range of cartridge chamberings being suitable.





For legal reasons the demonstration example pictured was built as a non-firing replica paper-weight. It contains a blocked and destroyed dummy barrel and no provisions for a firing pin. ***This document is purely for academic study purposes only.***

Useful tools

Hacksaw
Hand files
Angle grinder (optional for cutting)
Welder
Hand drill or drill-press

Materials

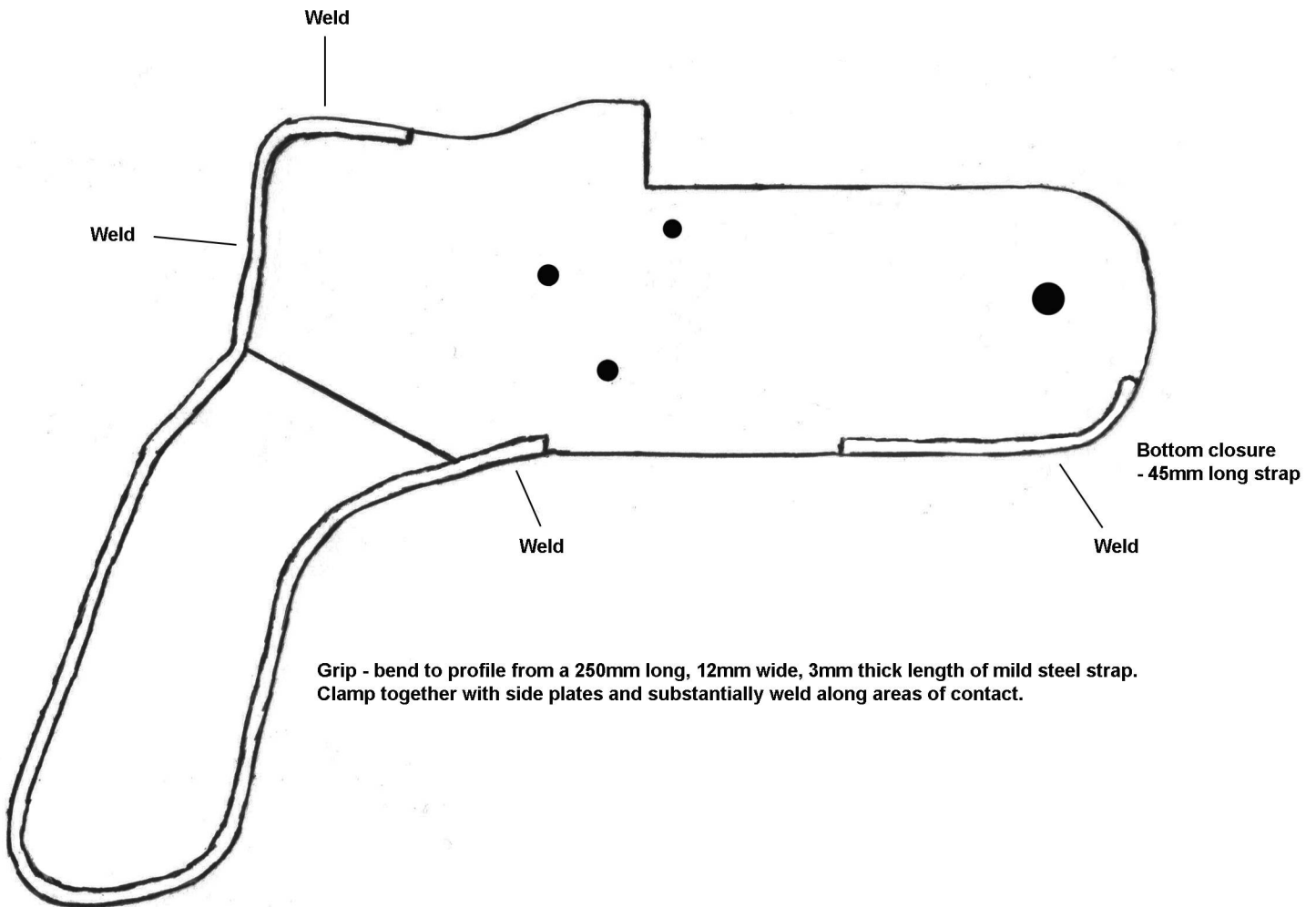
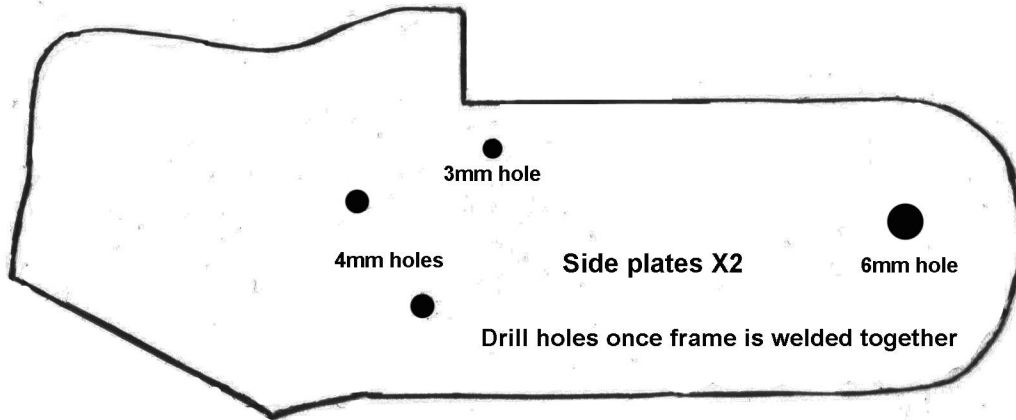
14 gauge (2mm) mild steel sheet
12mm wide, 3mm thick mild steel strap
1/4" (6mm) or 12mm mild steel plate
5/8" (16mm) mild steel bar

If a welder is unavailable, the general design can be adapted for construction using pins or brazing. It is however worth noting that a mini arc welder can be purchased via the internet for as little as \$60 or found for less than half that price at a local flea market or swap meet.

Plans

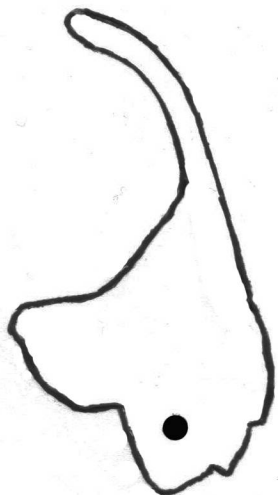
All pages included should be printed out on 8.5 x 11 US letter paper. Each component template is drawn to scale and can be cut out and glued to their respective thickness of material or used as reference for measurements. Make sure the ruler at the bottom left of each sheet is 2 inches in length. Alternatively, take a screen-shot and enlarge the plans using a computer program until the ruler is the correct length, then trace the parts needed onto a sheet of paper taped over your computer's screen.

Glue template to a sheet of 2mm thick mild steel sheet.
Cut out using a hacksaw or angle grinder fitted with slitting disc.

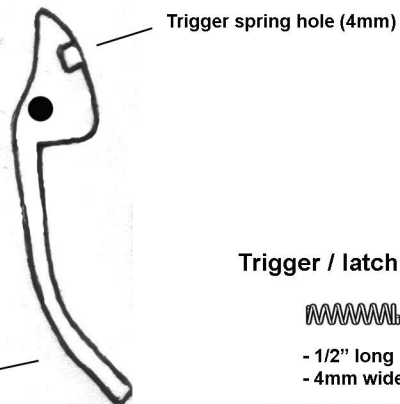


2 inches

Hammer template



Trigger template



Both holes are drilled using a 4mm drill bit to accept a 20mm long m4 nut and bolt, or two 4mm steel pins.

Trigger / latch spring

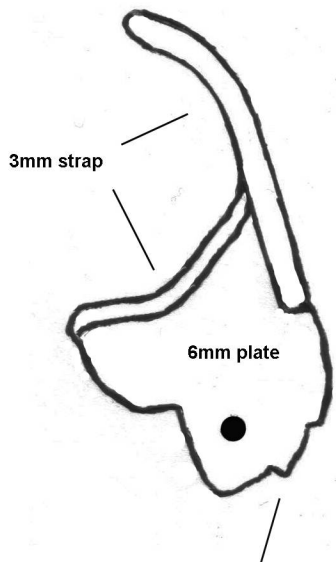


- 1/2" long
- 4mm wide

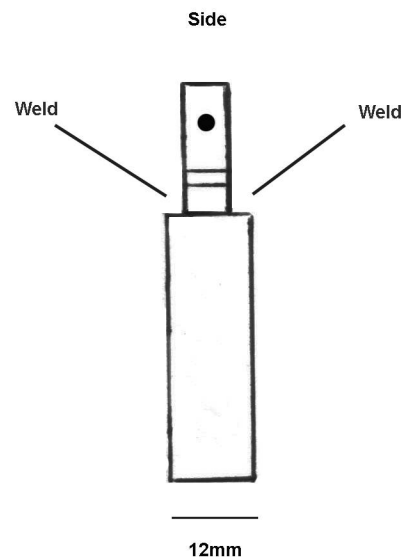
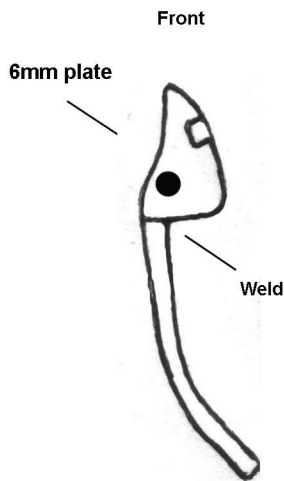
Needs to be strong

Either cut each component from a single piece of 12mm thick mild steel plate or weld together from a combination of 6mm plate and 3mm x 12mm strap in the configurations below.

Alternative hammer and trigger construction



Use hand file on notches until firm engagement with trigger is established on half & full cock.



Main spring

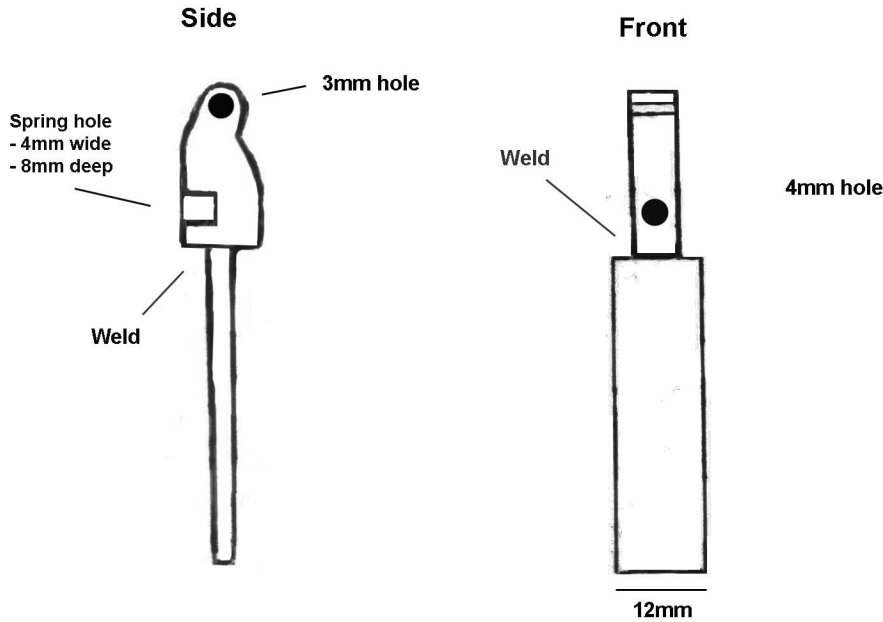


2 1/2" long, 1/2" wide, 2mm thick wire

2 inches

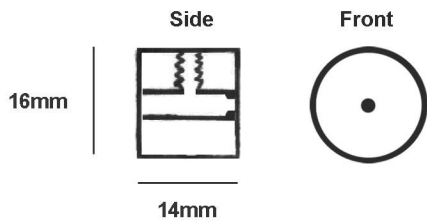
Barrel release latch

Either cut latch out from a single piece of 12mm thick mild steel plate or weld together from a combination of 6mm plate and 3mm x 12mm strap in the configuration below.



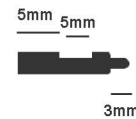
Breech piece

5/8" (16mm) mild steel bar



Firing pin

15mm long section of 4mm hardened / silver steel bar



- File to these dimensions to allow free movement in and out of front firing pin hole while retained through notch.

- Pin can be turned to spec in a drill press while using a hand file to simulate turning on a lathe.

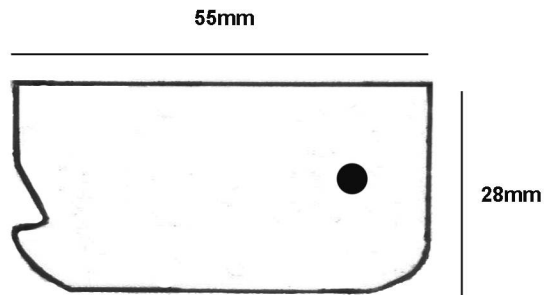
- Drill front in center with a 3mm bit through entire length
- Drill back with a 4.2mm bit for 12mm deep
- Drill middle of top with a 2.5mm bit and tap for a 7mm long m3 bolt or grub screw (firing pin retaining screw)

2 inches

Barrel release latch : 12mm thick mild steel plate or 6mm plate & 12mm wide strap
 Breech piece : 5/8" (16mm) mild steel bar
 Firing pin : 4mm hardened / silver steel bar

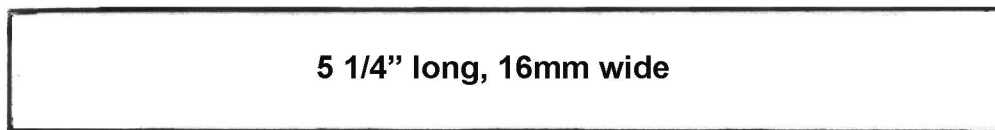
Barrel lug

Clamp to barrel and weld a bead across both upper edges



Either cut from a single piece of 12mm thick mild steel plate or weld a 3mm piece of steel sheet either side to achieve a 12mm thickness at the front half.

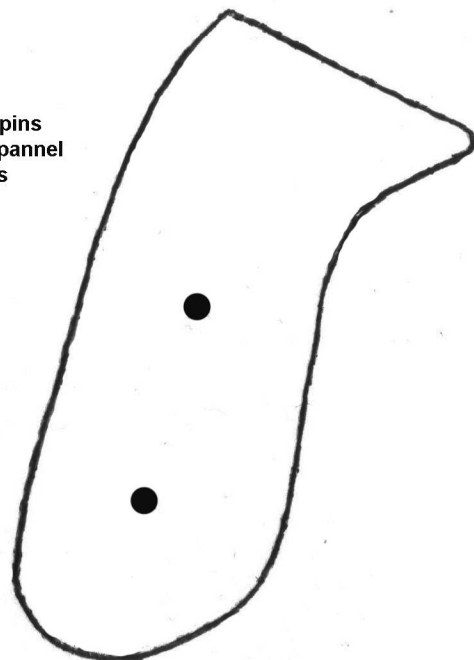
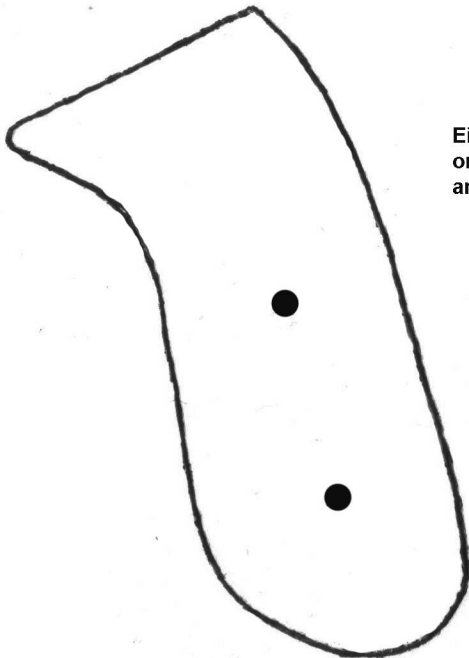
Barrel (dummy)



Grips

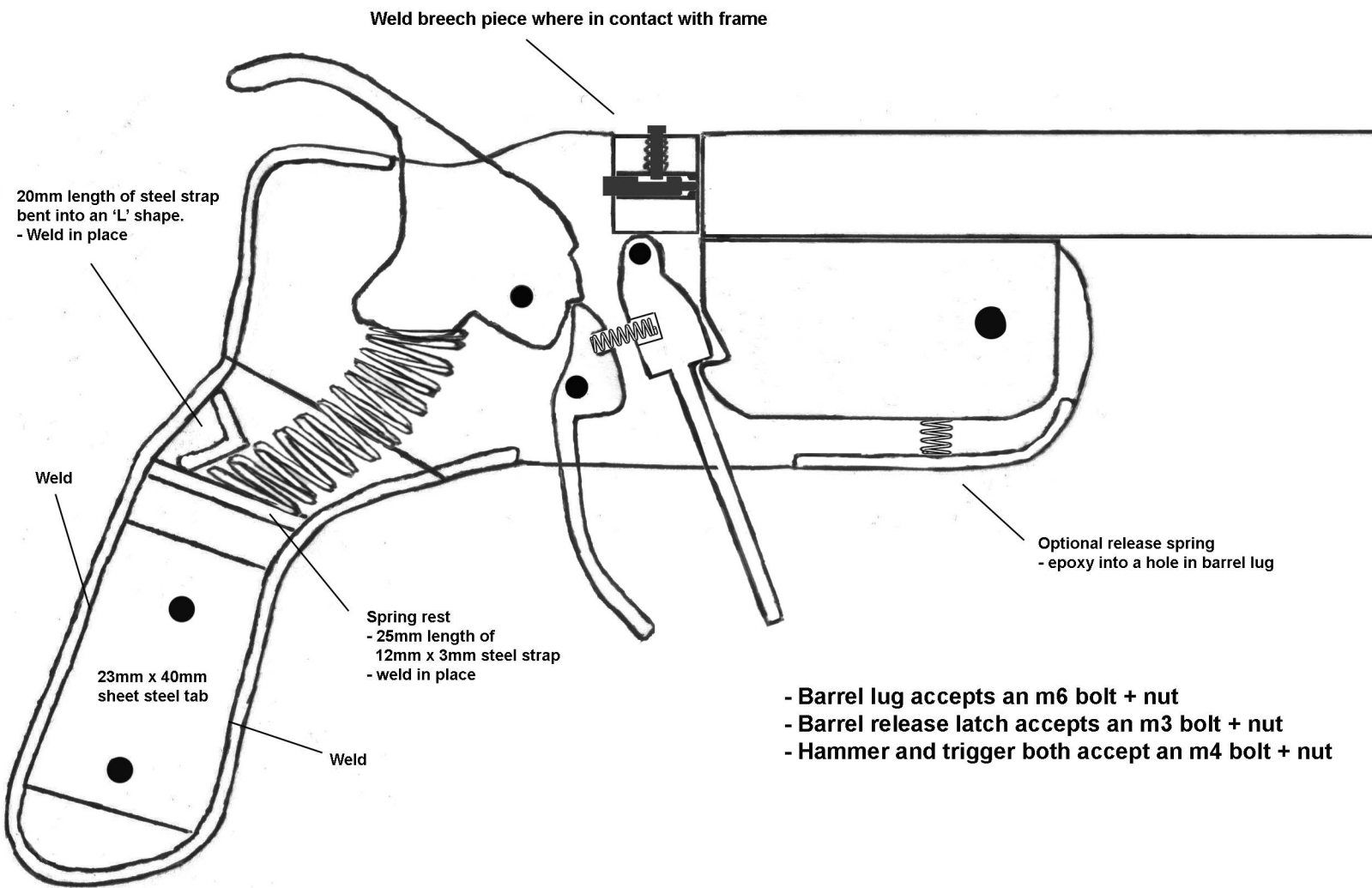
1/2" thick hardwood or plastic

Either secure using two 35mm long 4mm pins or epoxy a nut into each hole of one grip pannel and secure using two 35mm long m4 bolts



2 inches

Assembled:



Weld breech piece where in contact with frame

20mm length of steel strap bent into an 'L' shape.
- Weld in place

Weld

23mm x 40mm sheet steel tab

Weld

Spring rest
- 25mm length of
12mm x 3mm steel strap
- weld in place

Optional release spring
- epoxy into a hole in barrel lug

- Barrel lug accepts an m6 bolt + nut
- Barrel release latch accepts an m3 bolt + nut
- Hammer and trigger both accept an m4 bolt + nut

The large compression spring powering the hammer will remain firmly and reliably in contact without needing a guide rod.

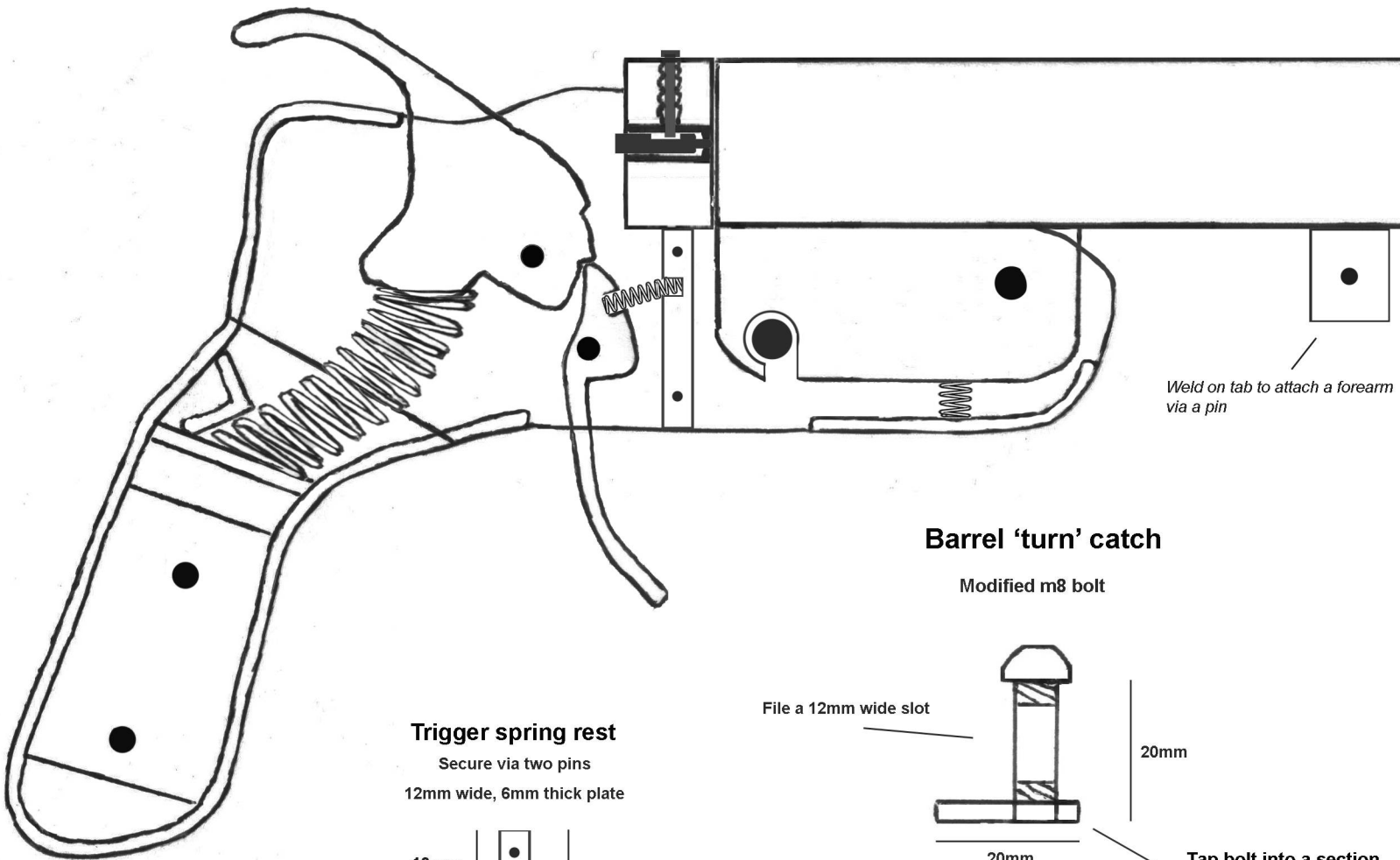
2 inches

Print on 8.5x11 US letter paper

Optionally heat hammer and trigger until cherry-red then quench in used motor oil or Kasenit to harden.

Shotgun configuration

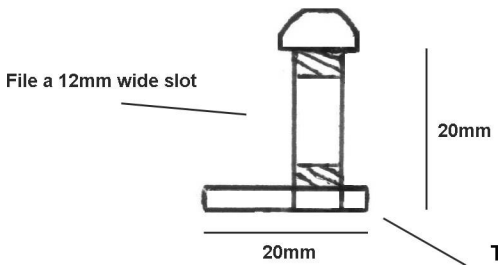
Breech piece and barrel are increased to 1" in diameter



Weld on tab to attach a forearm via a pin

Barrel 'turn' catch

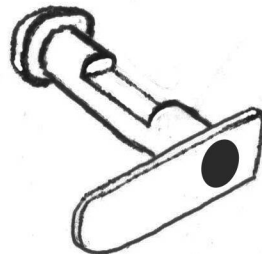
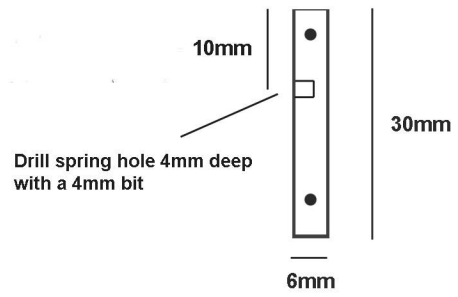
Modified m8 bolt



Tap bolt into a section of 3mm strap - weld or epoxy in place

Trigger spring rest

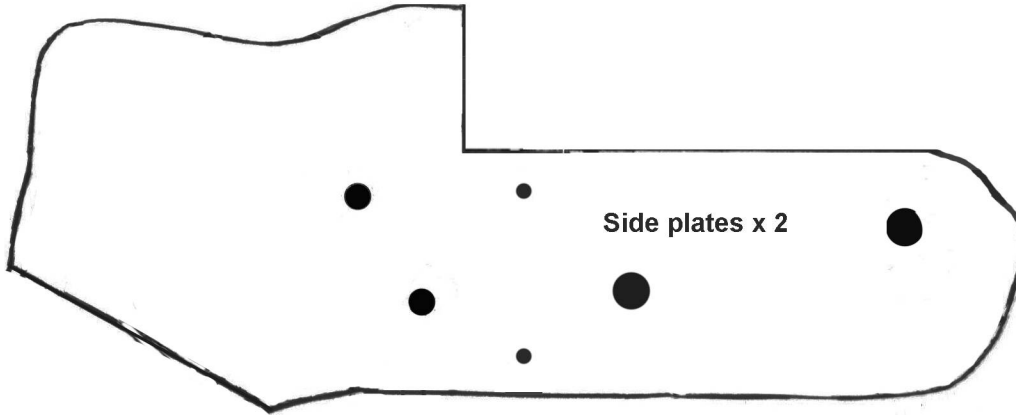
Secure via two pins
12mm wide, 6mm thick plate



- Drill hole for catch once aligned inside frame
- Add a drop of loctite to ensure adequate friction

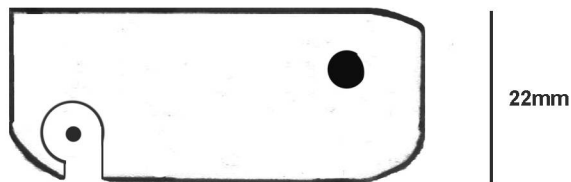
2 inches

Shotgun side plate template



Place a slight blob of weld above and below points of contact with latch lever to ensure it stays in closed position through friction

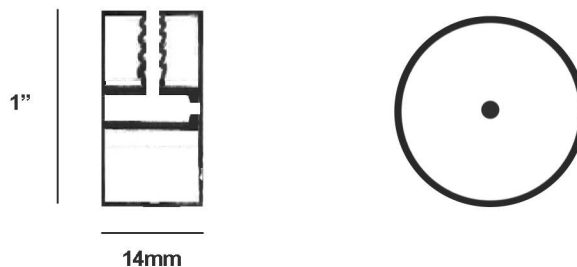
Barrel lug



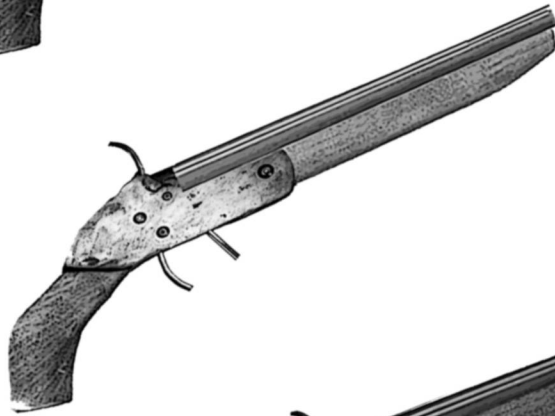
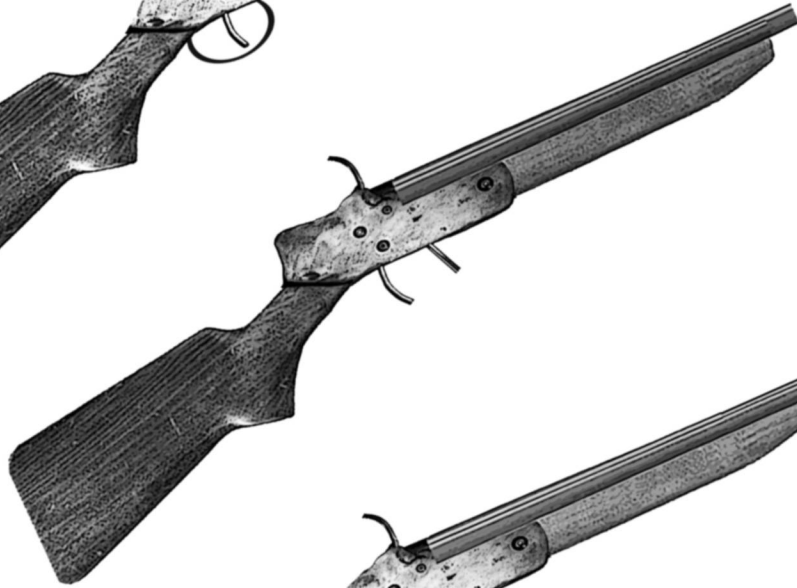
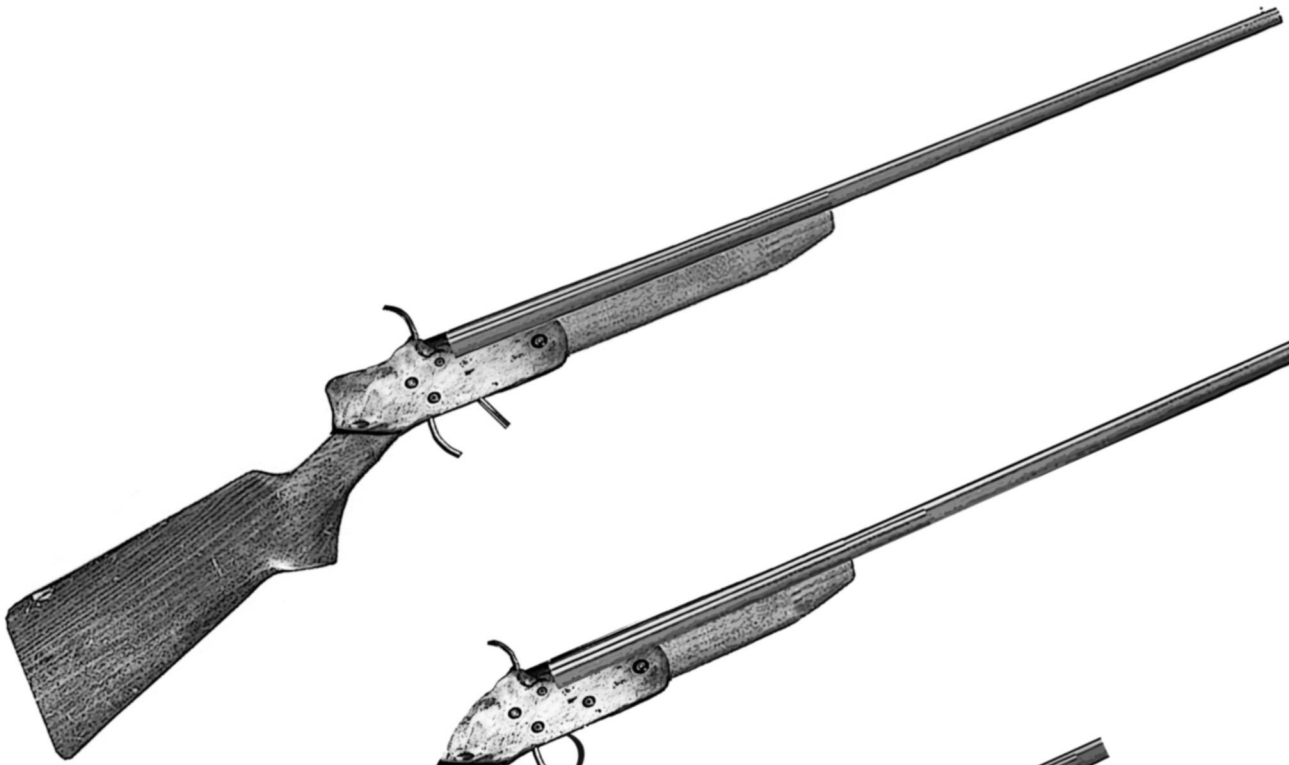
- Drill catch hole with an 8mm drill bit
- Cut recess as above allowing lug to disengage with latch when in vertical position

Breech piece

1" (25mm) mild steel bar



2 inches





For more:

