

MINI-MAGNUM .22 M.R.F.

SPECIFICATIONS:

CLASSIFICATION IMPROVISED - HANDMADE
CALIBRE22 L.R. 22 M.R.F. ADAPTABLE TO
VARIOUS PISTOL AMMUNITIONS.
OPERATION MANUAL SINGLE ACTION
TRIGGER SYSTEM. NO AUTOMATIC
EXTRACTOR.
OVERALL SIZE DEPENDS ON CALIBRE
TYPE USED.

*REMARKS: MANY VARIANTS HAVE BEEN ENCOUNTERED
IN VARIOUS CALIBRES.*

SYSTEM OF OPERATION:

To load the weapon, pull the slide to cocked position, then apply the safety by rotating the safety lever upward 90 degrees. The safety lever pin will lock the sear in place. The latch lever located on the right side of the frame has to be rotated 180 degrees towards the thumb. The latch lever pin locks the under lug of the barrel to the frame. The barrel can then be pivoted upward with the left hand into open position exposing the dual chambers, ready for loading.

Since the dual firing pins protrude on the breech block when in the forward position, it is safer to have it in the open cocked position with the safety applied. If the slide is eased forward on a loaded chamber, the firing pins are pressing against the cartridge rims by the pressure of the slide spring, liable to ignite it any time and fire the weapon unintentionally.

There is no built in extractor on the weapon. A separate extractor with double fork type plungers is improvised and can be carried conveniently in the pocket. A pocket clip built in to the extractor holds it in place.

CONSTRUCTION DETAIL:

Every part of this weapon is hand-made. The steel used should be of known analysis, so that the parts can be properly heat-treated before final assembly and use.

The frame sides are constructed from 1/16 inch sheet steel, cut and formed to shape with hand tools. Two separate frame sides are formed. Use 1/4 inch thick steel plate to form the grip base (17), slide spring base (14), breech block (6), and the under lug of the barrel. The trigger guard is made from 1/16 inch thick by 1/4 inch wide steel. If welding equipment is available, braze the grip base, breech block, and trigger guard in place on one frame side. Use rivets for this step if you don't have access to a welding set-up. The other frame side is secured to the receiver body by the barrel pivot screw, and another screw located under the slide just above the grip angle.

Make the slide from 1/16 inch sheet steel. It carries a plate containing the dual firing pins. This plate is secured under the slide by a screw (3), which is positioned to act as a rear sight. The slide spring (13) is a cut-down pistol or revolver hammer spring, available through mail order. It should not be larger than 1/4 inch in diameter to work reliably.

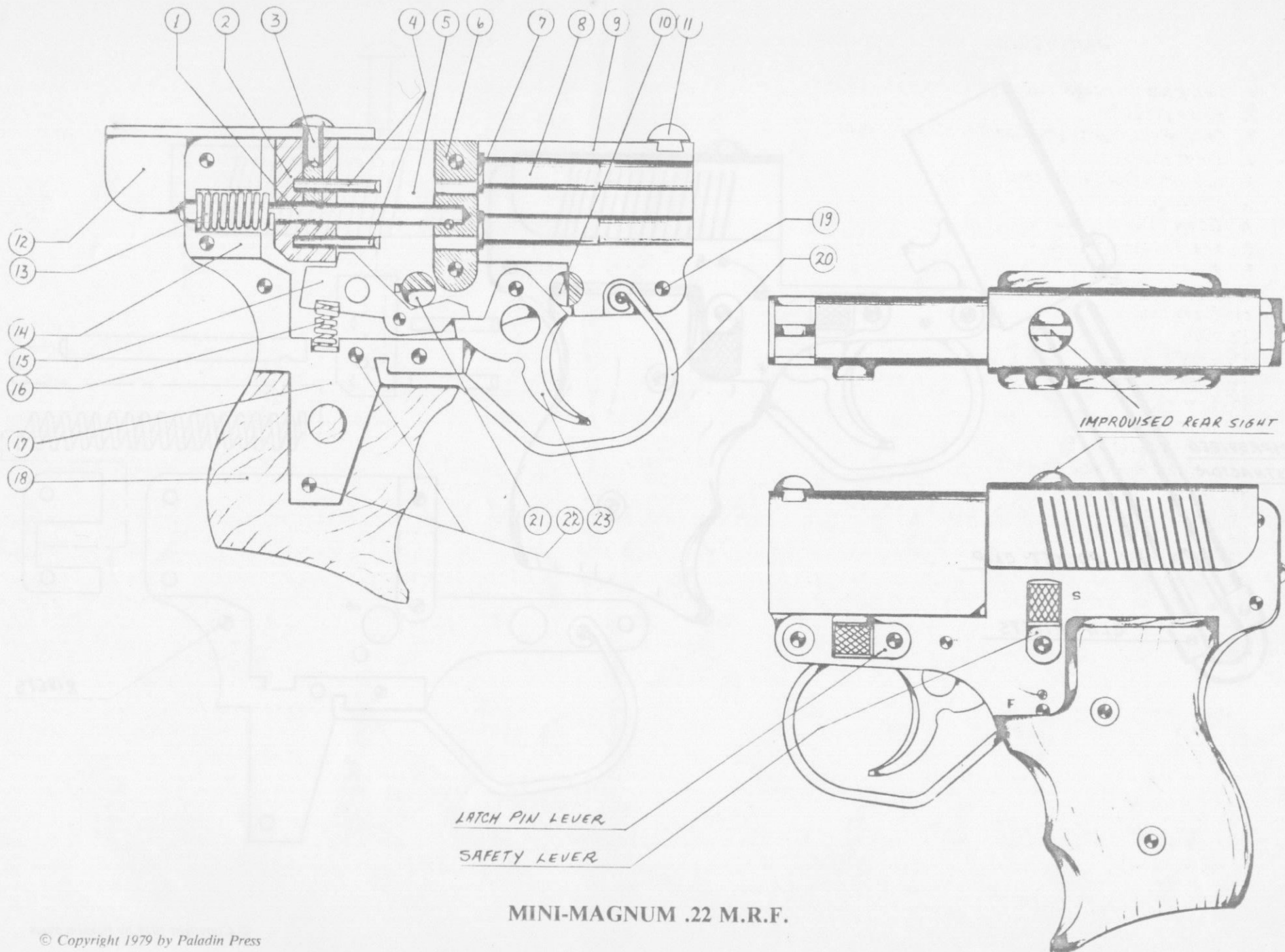
Form a barrel from 1/2 inch thick steel of high quality. It can either be machined and rifled if you have a machine shop, or hand built, with a smooth bore, if you do not. The barrel's under lug must be 1/4 inch in width, to fit in its space in the frame.

To retain the latch and safety levers in place, spring-loaded index balls must be fitted in them.

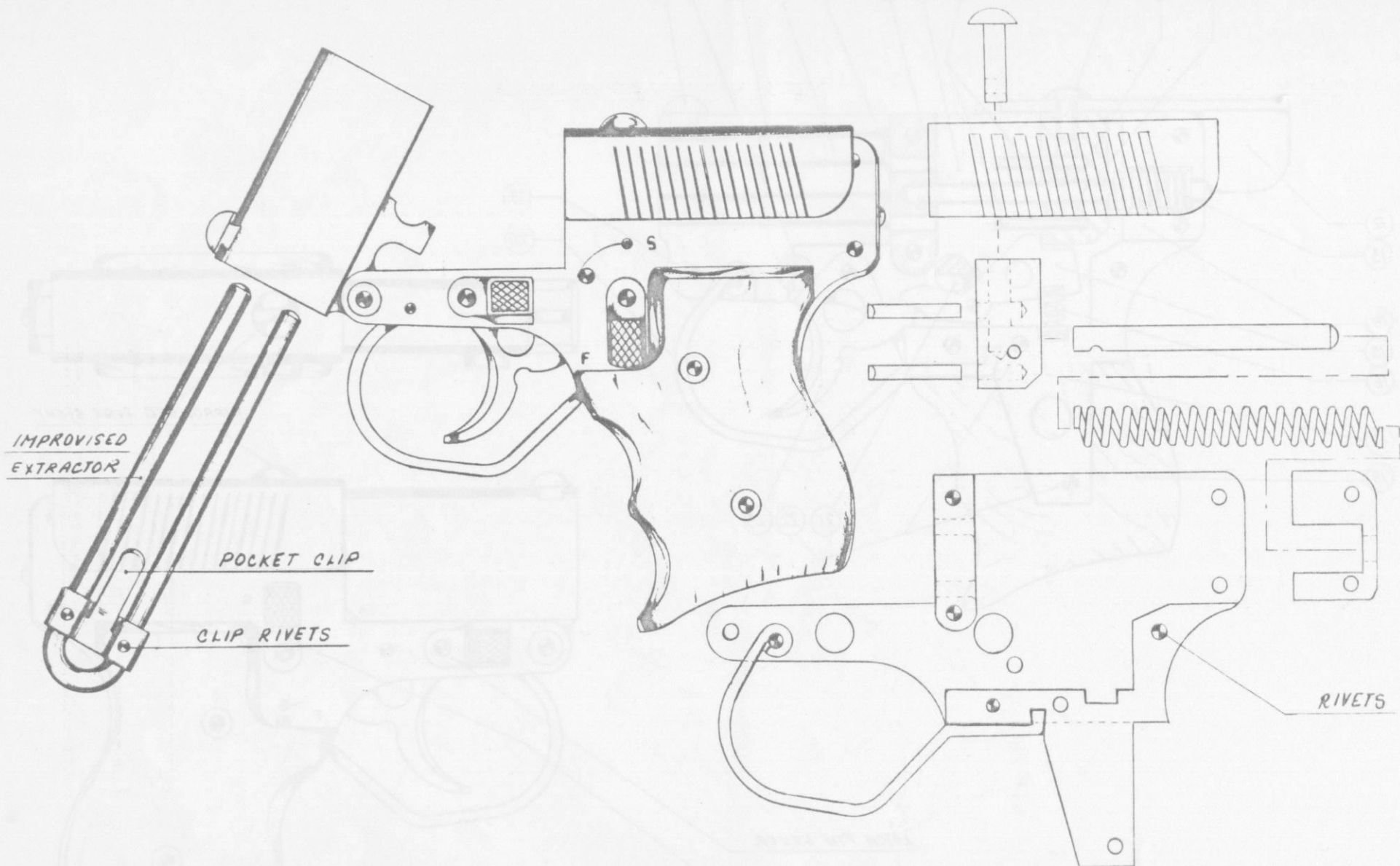
The two piece grip can be made from either wood or plastic. Secure it to the grip base by two screws with appropriate nuts on the other stock panel.

PARTS LIST

1. Firing pin base guide rod
2. Firing pin base
3. Slide retaining pin - pin head slotted as rear sight
4. Firing pins
5. Side plate (2 pcs.) also receiver body
6. Breech block
7. Counter bored chambers
8. Cal. 22 magnum chamber
9. Barrel - no riflings (improvised)
10. Barrel latch lever pin
11. Front sight
12. Slide
13. Ignition spring
14. Base for ignition spring
15. Sear
16. Sear spring
17. Base for grip stock
18. Grip stock - wrap around
19. Barrel pivot screw
20. Trigger guard
21. Safety lever pin
22. Stock screws
23. Trigger



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COUNTER BORED CHAMBERS



SLIDE RETRACTED - READY TO FIRE



CAL. 22 MAGNUM

4" BARREL

