

BUILDING A MUZZLE-LOADING GUN HAS PROVEN TO BE AN EXTREMELY POPULAR AND FASCINATING PASTIME. THE BASIC ELEMENTS ARE HERE TO COMPLETE A TRULY FINE DISPLAY OR SHOOTING PIECE AND WITH MOST OF THE DIFFICULT WORK DONE.

SUGGESTED TOOLS FOR ASSEMBLY

- Fine toothed File 6-8" in length.
- Emery paper - medium (180) grit, Fine (240) grit and very fine (400) grit.
- Screw driver
- Small Hammer
- Small pin punch (nail set will do)
- Nipple wrench Model NWC

ASSEMBLY PARTS LIST

1 Frame	11 Trigger Spring
2 Barrel	12 Trigger Pin
3 Barrel Rod	13 Locking Lever Spring
4 Barrel Rod Pin	14 Locking Lever Pin
5 Barrel Rod Spring	15 Grip L. H.
6 Nipple (2)	16 Grip R. H.
7 Hammer	17 Grip Screw (2)
8 Hammer Spring	18 Barrel Pin (2)
9 Hammer Pin	19 Locking Lever
10 Trigger	20 Ram Rod

PREPARATION

Unpack contents of this kit and using parts list and exploded view assure that all parts are included. Read instructions prior to assembly to become familiar with assembly procedure. At this time remove any burrs from the parts and polish them to your satisfaction.

NOTE: Hammer-7 and Trigger-10 have been heat treated at the factory. DO NOT ALTER machined surfaces at bottom of Hammer and at top of Trigger. Polish top of Hammer and finger surface of Trigger. If a more brilliant finish is desired, use a cloth buffing wheel and buffing compound.

ASSEMBLY PROCEDURE

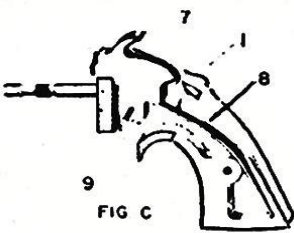
In the following procedure, use the exploded view for reference. Additional views have been provided to aid in assembly.

PLEASE DRILL BURRS OR FILE SEAMS BEFORE STARTING YOUR KIT!

A. Install Nipples-6 into threaded holes in Barrel-2 using nipple wrench.

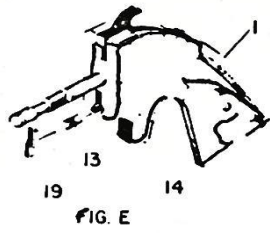
B. Insert Hammer-7 into slot provided in Frame-1. Insert Hammer Pin-9 into Frame as shown and thru pin hole in Hammer and into other side of frame until it will go no further using finger pressure. To seat Pin properly, tap into place using punch and hammer carefully to prevent damage to frame.

C. Install Hammer Spring-8 as shown in Fig. C.



D. Insert Trigger Spring-11 into Trigger-10 and insert this assembly into position in slot provided in Frame-1. Insert Trigger Pin-12 into hole in frame as shown and thru pin hole in trigger and into other side of frame until it will go no further using finger pressure. Tap into place using punch and hammer carefully to prevent damage to frame.

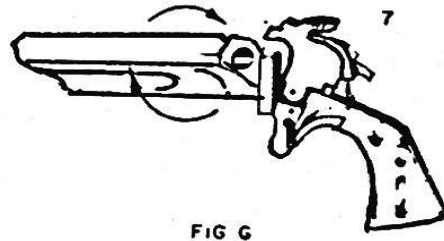
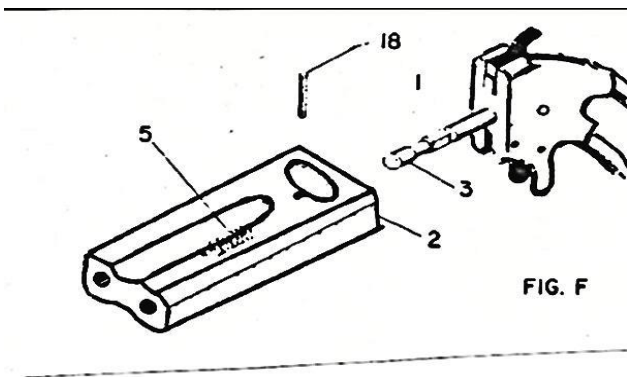
E. Insert Locking Lever Spring-13 into hole provided (See Fig. E) in Frame-1. Insert Locking Lever-19 into slot and while holding Locking Lever depressed against spring, insert Locking Lever Pin-14 thru frame as shown and into pin hole in locking lever and into other side of frame until it will go no further using finger pressure. Tap into place using punch and hammer carefully to prevent damage to frame.



F. NOTE: For your convenience, at the factory we have press fitted Barrel Rod-3 in its proper relationship to Frame-1 and secured it in place with Barrel Rod Pin-4. Insert Barrel Rod Spring-5 into center hole of barrel-2. With the barrel held at 90 degrees to frame (see Fig. F) insert Barrel Rod-3 into center hole in barrel until it is depressed against spring. With parts held in this position, insert Barrel Pin-18 into pin hole in barrel (using clearance side of hole) and thru into other side of barrel (press fit side of hole) until it will go no further using finger pressure. To seat pin properly, tap into place using punch and hammer carefully to prevent damage to barrel.

G. Place Hammer-7 in half-cocked position (see Fig. G) and with barrel in 90 degree position (see Fig. F) push Barrel-2 against frame and twist into locked position. NOTE: Each time barrel is to be rotated, hammer must be in half-cocked position. AVOID DRY FIRING with hammer against Nipples-6 to prevent damage to nipples and cause misfiring.

H. Attach Grip-15 and Grip-16 to frame, using Grip Screw-17. Your TERRIBLE TWISTER is now complete! We suggest applying a light coat of oil to prevent rust. If it is to be fired, a drop of oil on all moving parts is recommended.



ASSEMBLY PARTS LIST

1. Frame	11. Trigger Spring
2. Barrel	12. Trigger Pin
3. Barrel Rod	13. Locking Lever Spring
4. Barrel Rod Pin	14. Locking Lever Pin
5. Barrel Rod Spring	15. Grip L.H.
6. Nipple(2)	16. Grip R.H.
7. Hammer	17. Grip Screw(2)
8. Hammer Spring	18. Barrel Pin(2)
9. Hammer Pin	19. Locking Lever
10. Trigger	

KIT PARTS LIST

Part #	Description
TK2	Barrel
TK3	Barrel Rod
TK4	Barrel Rod Screw
TK5	Barrel Rod Spring
TK6	Nipple(2)
TK7	Hammer
TK8	Hammer Spring
TK9	Hammer Pin
TK10	Trigger
TK11	Trigger Spring
TK12	Trigger Pin
TK13	Locking Lever Spring
TK14	Locking Lever Pin
TK15	Grip LH
TK16	Grip RH
TK17	Grip Screw(2)
TK18	Barrel Pin(2)
TK19	Locking Lever

Twister Firing Instructions

- 1) WILL NOT FIRE CARTRIDGE BULLETS. DO NOT USE SMOKELESS POWDER.
- 2) NOTE: Follow safety procedures at all times, shooting glasses also recommended.
- 3) Use No. 11 percussion cap over nipple to ignite powder, 12 grains grade FFFG black powder only into each barrel, with 350cal. solid lead round ball and .015 oiled patch.
- 4) Load each barrel taking precaution that only one specific load per barrel is used, place oiled patch around ball and holding ramrod between fingers (not into palm of hand) tamp ball down barrel. FIRMLY SEATING IT AGAINST POWDER. DO NOT leave air space between ball and powder - dangerous combustion may result.
- 5) Do not put ball into unloaded barrel, it will be very difficult to extract. Make sure all excess powder is removed from around muzzle before firing.
- 6) To maintain and preserve your firing piece and prevent corrosion, thoroughly clean after each use.

CAUTION

NEVER FIRE A MUZZLELOADING FIREARM UNLESS THE BALL OR MINIEBALL IS FIRMLY SEATED AGAINST THE POWDER CHARGE

Do not overload the bbl with excessive amounts of black powder. The best velocity creating the lowest, safest pressures will be obtained using recommended charges of black powder. Increasing the pressures in the barrel will not increase accuracy. Unreasonably heavy charges of black powder can be dangerous.

Do not attempt to shoot a stuck ball free from the barrel. If due to powder fouling or other circumstances, the projectile becomes lodged part way down the barrel then the firearm must be disassembled and the charge and ball removed. This is extremely important for, under such a condition, the stuck ball is acting as a bore obstruction. Firing will cause damage to the firearm and possible injury to the shooter.