



### BEFORE USING YOUR MUSKETOON

Your Musketoon has been lightly greased for storage and transit.

- Wipe down the exterior with a cloth.
- Remove the ramrod and insert a cloth patch into the slot.
- Remove any excess oil in the barrel.

To clean out the nipple channel:

- Pull back the hammer to the half cock position.
- Place a musket cap on the nipple.
- Pull back the hammer to the full cock position and fire.

**NB:** Never snap the hammer without either a percussion cap or snap cap on the nipple.

### LOADING THE POWDER

70 grains is our recommended general purpose load and approximates to the original Military load of  $2\frac{1}{2}$  drams. Under no circumstances may any propellant other than Black Powder be employed.

- Measure 70 grains of Black Powder FG or FFG.
- Hold the Musketoon vertically with the muzzle pointing upwards. With the hammer in the forward position pour the powder into the barrel.
- Lightly tap the butt of the weapon on the ground twice in order to settle the powder. If the barrel is not held vertically, powder grains will tend to adhere to the sides making loading more difficult and reducing the accuracy of the charge.

### BALLISTICS

Muzzle Velocities in feet per second using 505 gr Lyman 575213 Bullets

Powder Type	$2\frac{1}{2}$ Drams 68.35 Grains	3 82.02	$3\frac{1}{2}$ 95.69	4 109.36	$4\frac{1}{2}$ 123.03
Curtis & Harvey No 2 = FFG	1028	1090	1157	1262	1320
Curtis & Harvey No 6 = FG	882	928	1020	1102	1160

### PROOF

*Your Musketoon has been proofed at the Birmingham Proof House and is marked with a service load of  $3\frac{1}{2}$  drams of powder with a 536 grain bullet. As a guarantee of safety, however, it has in fact withstood a charge of 7 drams with a 724 grain bullet.*



## LOADING THE BULLET

The recommended bullet for this weapon is a 500 grain Minié (hollow base) bullet of finished dia. .575" e.g. Lyman No. 575213.

- Insert a lubricated bullet into the muzzle and, using the ramrod, move the bullet with one stroke to the bottom of the barrel, until it is seated on the powder.
- Give two *light* taps to the bullet with the rod to ensure that it is fully seated, but do not pound it. Uniformity of bullet seating is important.
- Replace the ramrod in the stock.
- Pull back hammer to the half cock position and place cap firmly on the nipple, making sure that it is pressed well down.
- When ready to fire pull back hammer to full cock. To protect the stock during firing it is recommended that adhesive tape should be applied to the area immediately in the rear of the nipple. Otherwise the wood may be stained or scorched by the flash from the percussion cap.

## WARNING

If you forget to load a powder charge or if fouling has built up in the barrel preventing you from seating the bullet against the powder charge **DO NOT ATTEMPT TO FIRE THE RIFLE**. Firing a rifle with the bullet stuck part way down the bore can seriously damage the barrel.

- A combination tool is provided with your Musketoon which can be used to remove a stuck bullet.
- Screw the chisel to the end of the ramrod, insert into the bore and drive it into the bullet with a few sharp taps.
  - Now attach the ball puller (threaded) to the ramrod and by inserting a screwdriver through the patch slot in the ramrod head, screw it into the hole which you have made with the chisel. When firmly embedded in the ball, pull it out.

## CLEANING INSTRUCTIONS

Depending upon weather conditions, type of lubricant used and other factors, fouling may build up in the barrel until it becomes difficult to seat the bullet on the powder charge. It is advisable therefore from time to time to clean the barrel with the phosphor bronze brush provided, followed by the use of the wool mop. These implements are fitted on to the end of the ramrod.

After cleaning and before firing the next series, fire a cap or two before loading more powder. Immediately after having finished shooting it is necessary to clean the weapon thoroughly as Black Powder residues are corrosive and will ruin the weapon if not removed quickly.

The procedure to be adopted is as follows:

- Remove the barrel bands, unscrew the "pin" on the tang and remove the barrel from the stock.
- Remove the nipple with the nipple key on the combination tool.
- Having filled a bucket with a strong hot solution of soap and water clean out the barrel by placing the breach into the solution.
- With the ramrod fitted—first with the bronze brush then with the wool mop—pump the rod up and down the barrel to remove all fouling.
- Rinse out with nearly boiling clean water and leave to dry.
- Lightly oil both inside and outside and refit to the stock having wiped the latter with a silicone impregnated cloth.