

Misfires: Misfires can be caused by a dirty bolt, bad caps, wet caps or powder, and a flattened nipple (if the nipple is flattened the consumer will need to purchase a new one).

Ram Rod: The ram rod is made out of aluminum because it is softer than steel and it will not hurt the bore. Only use the ram rod for loading the ML not cleaning it (need to use a brass rod to clean the gun). If the ram rod won't stay in the stock, take the stock off and bend the piece of steel back down. Many hunters mark/notch the ramrod so they know if the load is in.

Weather shroud: The weather shroud goes on the front of the bolt to protect it from bad weather; the only time the shroud should be used is in bad weather conditions.

Scope Base: The Model 700 Short action scope base works on the Model 700 ML.

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We haven't made a side lock in more than 100 years EXCEPT for 1995. This was a kind of anniversary edition. It had approximately a 35 inch barrel. It was the Eliphalet Anniversary Special. It was a flint lock custom shop gun.

Flint lock-the hammer hits a piece of flint for ignition.

We started producing the line that we have now in 1996. It is based on the Model 700-same receiver-short action.

For scope mounts they would use the same ones as the regular short action 700 would use.

Muzzle loaders use black powder or a black powder substitute. We use a substitute. Black powder is a nitro based solid. It is very volatile and unstable. It is also very dirty and corrosive. Not many people use actual black powder.

We make no powder. There are only three manufacturers in the country: DuPont, the US government, and one more company. The laws governing this manufacturing are very tight.

We have tested black powder and pyrodex. Pyrodex is the biggest seller. Some other brands are go-ex and clean shot.

We have always used pyrodex in testing for accuracy.

MEASURE POWDER OUT BY VOLUME NOT WEIGHT

MUST USE POWDER SUBSTITUTE LABELED RS (rifle or shotgun) OR FFG EQUIVILANT (burn rate).

THERE IS ALSO SPECIFICALLY MADE FOR PISTOLS-DON'T USE THIS IN RIFLES!

Pyrodex Select is great. Better control (consistency) in size of granules. Consistency leads to accuracy.

Projectiles we make and use are:

1.Round Ball (originally used)

Coated with brass (ours are golden balls-the golden color is brass powder)

2.Lead Conical (used in Civil War)-chunky lead shaped like a bullet. These come pre-lubricated with wonder lube.

3.Sabots (the green plastic is the sabot)-this protects the metal part-it prevents rifle lines on the brass. For accuracy we use core lock bullets in ours. (In class we saw a .50 caliber sabot with a .45 bullet in it).