

- 1) Standard ammunition for these stats is a round ball fired from a smooth or mildly-rifled (**very** slow twist) barrel.
- 2) A standard ammunition "case" for blackpowder rounds consists of enough balls and powder for 50 shots of ammunition.
- 3) "Cases" of balls and shot weight 2 kg per "case." One measure of powder weighs 0.02 kg, and one ball weighs 0.02 kg. Magnum powder loads take 2 loads of powder per shot. A Minie Ball weighs 0.05 kg per shot. A rifled ball weighs 0.03 kg per shot.
- 4) For rifled blackpowder arms, increase damage by one point, and range by 1.5 times; however, increase loading times by two steps (so 1/6 would become 1/8). This is for rifled balls only, and simulates the difficulty in ramming the ball down the barrel. Such a weapon can also fire standard balls; in this case, the increase in damage and range does not apply.
- 5) This increase in loading time does not apply to inline firearms or rifles firing Minie Ball or similar types of rounds. If something like a Minie Ball or inline rifle is used, double range (ranges for inlines will already be doubled in the stats below).
- 6) If a blackpowder weapon has a rifled barrel and is designed for rifled balls, increase cost by 1.5 times. If designed for something like a Minie Ball, increase costs by 1.9 times. (Inlines double costs, but this is already figured in the stats below.)
- 7) If a blackpowder weapon is designed to fire rifled balls, increase range by 1.5 times.
- 8) If the weapon is an inline or designed to fire Minie Ball-type rounds, double range.
- 9) Some rifles are stressed for magnum loads, and are given in the stats below, If a magnum load is loaded into a non-magnum firearm (standard loads are designed to take a man down), increase damage by one point and go the next level of penetration, but the weapon is 5% likely (cumulative) to be damaged per shot.
- 10) Buck-and-ball shots give two extra 1d6-damage rounds per shot and the extra balls otherwise act like a shotguns and use shotgun rules, but range is reduced to 0.75 times normal.
- 11) Weapons given in their description as "rifles" will have their range adjusted in the stats, unless stated otherwise in the description.

These rules are preliminary, especially the weight figures for powder and balls; suggestions for improvement are welcomed.

#### 1763/1766/1777 Charleville Musket

Notes: This Musket is a modern reproduction of Charleville Musket produced for several decades in the 1700s. Today, it is sold through Cabela's, Dixie Gun Works, and Navy Arms. It comes in several barrel lengths, but is unwieldy in any form. The stock is a straight-wristed stock, with a modicum of room to shoulder the weapon and furnished with a flintlock mechanism. Furniture is of hardwood and metal parts are of polished steel. Sights consist of brass studs above the barrel and action, but these are low and not very precision sights.

Weapon	Ammunition	Weight	Magazines	Price
Charleville Musket (44" Barrel)	.69 Blackpowder	3.7 kg	1 Internal	\$370
Charleville Musket (44.5" Barrel)	.69 Blackpowder	3.96 kg	1 Internal	\$387
Charleville Musket (44.75" Barrel)	.69 Blackpowder	3.97 kg	1 Internal	\$389

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Charleville Musket (44")	1/12	3	2- Nil	11	2	Nil	46
Charleville Musket (44.5")	1/12	3	2- Nil	11	3	Nil	46
Charleville Musket (44.75")	1/12	3	2- Nil	11	3	Nil	47

#### 1803 Harper's Ferry Rifle

Notes: this is a modern reproduction of the old Harper's Ferry Rifle, and is sold today through an number of outlets such as Dixie Gun Works and Navy Arms. The Harper's Ferry Rifle is a faithful reproduction of the old version, with an old stock design of walnut and a holder at the bottom of the barrel in the fore-end for the ramrod. Ignition is by flintlock, and the stock widens into a half-stock ahead somewhere between a quarter and a third of the way down the barrel. Metalwork (except for the barrel) is largely of brass, though the lock and trigger are of color case-hardened steel, and the ramrod of steel. The barrel is semi-heavy; it starts

as a heavy octagonal barrel, but tapers to a round barrel towards the muzzle. Sights essentially consist of a raised nib above the muzzle. Barrels can be had in either 35 inches or 35.5 inches. The Harper's Ferry Rifle is designed to fire rifled balls (this is in the stats below).

Weapon	Ammunition	Weight	Magazines	Price
Harper's Ferry Rifle (35" Barrel)	.54 Blackpowder	3.86 kg	1 Internal	\$399
Harper's Ferry Rifle (35.5" Barrel)	.54 Blackpowder	4.31 kg	1 Internal	\$404

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Harper's Ferry Rifle (35")	1/8	3	1- Nil	10	2	Nil	58
Harper's Ferry Rifle (35.5")	1/8	3	1- Nil	10	2	Nil	59

### 1859 Sharps

Notes: This is a modern reproduction of a pre-Civil War rifled musket designed to fire Minie Ball-type projectiles; the stats below reflect this. These modern reproductions are sold by Dixie Gun Works, Navy Arms, and Taylor's. Construction is largely of steel (better-quality steel than was available in 1859) and the gun has a silver blade front sight and a flip-up rear sight. The barrel has a blued finish and most of the rest of the external metalwork has a color case-hardened finish. The fore-end has three military-type bands (except on the carbine, which has one). Though not standard, a double set trigger is available. This reproduction of the 1859 Sharps is available, like the original in two forms: a rifle version, with a 30-inch barrel, and a carbine version, with a 22-inch barrel. Lockwork and ignition is by percussion.

Weapon	Ammunition	Weight	Magazines	Price
1859 Sharps Rifle	.54 Blackpowder	4.2 kg	1 Internal	\$449
1859 Sharps Carbine	.54 Blackpowder	3.63 kg	1 Internal	\$372

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
1859 Sharps Rifle	1/6	2	1- Nil	8	2	Nil	65
1859 Sharps Carbine	1/6	2	1- Nil	6	2	Nil	48

### 1861 Springfield

Notes: This is a faithful reproduction of the rifle that armed so many sharpshooter Union troops at the beginning of the Civil War. These reproductions are sold by Dixie Gun Works, Navy Arms, and Taylor's. As such, the furniture is walnut; however, in a bow to modern manufacturing methods, the steel used in this reproduction's manufacture is of better quality than that used so long ago. The barrel is of natural metal finish, as is most of the metalwork. This rifle is has sling swivels, and a very long rifled 40-inch barrel (which is reflected in the stats below, so no adjustments are necessary). This reproduction is designed for Mini Ball-type projectiles (or modern equivalents of them). The 1861 Springfield reproduction is drilled and tapped for a scope; however, the type of scope the drilling and tapping is designed for is a reproduction of scopes of the period, and a modern scope (or any other optics) will not fit in this drilling and tapping. Reproduction scopes vary in capabilities, but a standard sort of scope for the period is as long as much of the length of the barrel and gives a magnification of about 3x. Ignition is by percussion. The iron sights are a steel blade in the front, and a 2-leaf rear for use at two different spreads of ranges.

Weapon	Ammunition	Weight	Magazines	Price
1861 Springfield	.58 Blackpowder	3.97 kg	1 Internal	\$578
1861 Springfield (with Scope)	.58 Blackpowder	4.65 kg	1 Internal	\$778

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
1861 Springfield	1/6	3	1- Nil	9	2	Nil	90

### 1863 Remington Zouave

Notes: Another reproduction of a common Civil War weapon, this weapon is a musket and does not have a rifled barrel. Like many other such reproductions, it is sold by Dixie Gun Works, Navy Arms, and Taylor's. It has walnut furniture, a brass plate on either side of the buttstock, a blued 33-inch barrel, and a color case-hardened hammer, trigger, and lock. The sights consist of a leaf rear and a blade front. Ignition is by percussion.

Weapon	Ammunition	Weight	Magazines	Price
Remington Zouave	.58 Blackpowder	4.31 kg	1 Internal	\$269

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington Zouave	1/6	3	1- Nil	9	2	Nil	37

### 1863 Sharps

Notes: This is a reproduction of another common late-Civil War weapon, today sold by EMF, IAR, and Taylor's. The 1863 Sharps came in several sizes from carbine to long rifle size. The 1863 Sharps was sort of an intermediate step between cartridge firearms and muzzleloading weapons – the 1863 Sharps was loaded by stuffing the Minie Ball, powder, and wadding into the breech of the weapon instead of into the muzzle and cramming it down, though ignition is by percussion. This made it very easy to make the 1863 Sharps a rifled weapon, which is taken into account in the figures below and no conversions are necessary. In addition, this reduced the loading time of the 1863 Sharps. Features of the reproduction version are walnut furniture, a blade front sight, and a rear notch sight which is dovetailed in and therefore allows for limited windage adjustments. Regardless of barrel length (which may be 22, 28, 30, or 32 inches), the barrel is an octagonal heavy barrel. The reproduction also has a set trigger, which some versions of the original 1863 Sharps had.

Weapon	Ammunition	Weight	Magazines	Price
1863 Sharps (22" Barrel)	.50 Blackpowder	3.74 kg	1 Internal	\$355
1863 Sharps (22" Barrel)	.54 Blackpowder	3.85 kg	1 Internal	\$382
1863 Sharps (28" Barrel)	.50 Blackpowder	3.98 kg	1 Internal	\$416
1863 Sharps (28" Barrel)	.54 Blackpowder	4.1 kg	1 Internal	\$443
1863 Sharps (30" Barrel)	.50 Blackpowder	4.06 kg	1 Internal	\$435
1863 Sharps (30" Barrel)	.54 Blackpowder	4.18 kg	1 Internal	\$464
1863 Sharps (32" Barrel)	.50 Blackpowder	4.13 kg	1 Internal	\$456
1863 Sharps (32" Barrel)	.54 Blackpowder	4.25 kg	1 Internal	\$484

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
1863 Sharps (22" Barrel, .50)	1/5	2	1- Nil	7	1	Nil	48
1863 Sharps (22" Barrel, .54)	1/5	2	1- Nil	7	2	Nil	50
1863 Sharps (28" Barrel, .50)	1/5	2	1- Nil	9	1	Nil	61
1863 Sharps (28" Barrel, .54)	1/5	2	1- Nil	9	2	Nil	63
1863 Sharps (30" Barrel, .50)	1/5	2	1- Nil	9	1	Nil	65
1863 Sharps (30" Barrel, .54)	1/5	2	1- Nil	9	2	Nil	68
1863 Sharps (32" Barrel, .50)	1/5	2	1- Nil	9	1	Nil	70
1863 Sharps (32" Barrel, .54)	1/5	2	1- Nil	9	2	Nil	72

### 3-Band/2-Band Enfield Musket

Notes: This is another modern reproduction of an old weapon, this time an unrifled musket commonly used by British troops during the American Revolution and Napoleonic Wars. Whether the fore-end has two or three retaining bands depends on the barrel length; in general, shorter barrels use two bands, and longer barrels use three. This reproduction faithfully reproduces the stock style and shape, and the stock/furniture is of walnut. Barrels are 31.5", 33", 39", or 40", and are blued and tapered. Most other metalwork is brass. The Enfield Musket has a steel blade front sight and a flip up rear sight is adjustable, though accuracy with an unrifled musket is questionable. Ignition is by percussion. Modern reproductions are made by a variety of companies both in the US and overseas and sold by Dixie Gun Works, Navy Arms, and Taylor's.

Weapon	Ammunition	Weight	Magazines	Price
--------	------------	--------	-----------	-------



Brown Bess (30" Barrel)	1/12	4	2-3- Nil	9	4	Nil	39
Brown Bess (30.5" Barrel)	1/12	4	2-3- Nil	9	4	Nil	40
Brown Bess (42" Barrel)	1/12	4	2-2- Nil	11	4	Nil	54

### Cabela's Blue Ridge

Notes: This is another non-specific replica of an early rifle, with anachronistic features such as an adjustable double set trigger and a blade front and V-notch rear sight. The furniture is walnut, highly-polished. The finish of the lock is color-case hardened, the barrel is blued, and the fittings are brass. The barrel is 39 inches, and locks are percussion or flintlock.

Weapon	Ammunition	Weight	Magazines	Price
Cabela's Blue Ridge (Flintlock)	.54 Blackpowder	3.52 kg	1 Internal	\$220
Cabela's Blue Ridge (Percussion Lock)	.54 Blackpowder	3.52 kg	1 Internal	\$245
Cabela's Blue Ridge (Flintlock)	.50 Blackpowder	3.44 kg	1 Internal	\$218
Cabela's Blue Ridge (Percussion Lock)	.50 Blackpowder	3.44 kg	1 Internal	\$243
Cabela's Blue Ridge (Flintlock)	.45 Blackpowder	3.4 kg	1 Internal	\$216
Cabela's Blue Ridge (Percussion Lock)	.45 Blackpowder	3.4 kg	1 Internal	\$241
Cabela's Blue Ridge (Flintlock)	.36 Blackpowder	3.34 kg	1 Internal	\$214
Cabela's Blue Ridge (Percussion Lock)	.36 Blackpowder	3.34 kg	1 Internal	\$239
Cabela's Blue Ridge (Flintlock)	.32 Blackpowder	3.27 kg	1 Internal	\$213
Cabela's Blue Ridge (Percussion Lock)	.32 Blackpowder	3.27 kg	1 Internal	\$238

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Cabela's Blue Ridge (Flintlock, .54)	1/12	2	1- Nil	10	2	Nil	36
Cabela's Blue Ridge (Percussion Lock, .54)	1/6	2	1- Nil	10	2	Nil	36
Cabela's Blue Ridge (Flintlock, .50)	1/12	2	1- Nil	10	1	Nil	34
Cabela's Blue Ridge (Percussion Lock, .50)	1/6	2	1- Nil	10	1	Nil	34
Cabela's Blue Ridge (Flintlock, .45)	1/12	2	1- Nil	10	1	Nil	32
Cabela's Blue Ridge (Percussion Lock, .45)	1/6	2	1- Nil	10	1	Nil	32
Cabela's Blue Ridge (Flintlock, .36)	1/12	1	Nil	10	1	Nil	29
Cabela's Blue Ridge (Percussion Lock, .36)	1/6	1	Nil	10	1	Nil	29
Cabela's Blue Ridge (Flintlock, .32)	1/12	1	Nil	10	1	Nil	27
Cabela's Blue Ridge (Percussion Lock, .32)	1/6	1	Nil	10	1	Nil	27

### Cabala's Kentucky Rifle

Notes: Like most of the blackpowder rifles and muskets sold by Cabela's, the Kentucky Rifle is more of a replica than a reproduction, following the general lines of an old-time muzzleloading rifle but having several features that such a rifle would not have and are more advanced than such a rifle. The basic rifle has walnut furniture, with a blade front sight and a V-notch rear sight. The finish is largely blued, with polished brass fittings. The Kentucky Rifle is generally sold with a Starter's Kit, as it is meant to be a beginner's blackpowder rifle; this includes a basic cleaning kit, a small amount of powder and shot, and spare flints or percussion caps. Flintlock and percussion cap ignition systems are available. The barrel is 37 inches.

Weapon	Ammunition	Weight	Magazines	Price
Cabela's Kentucky Rifle (Flintlock)	.50 Blackpowder	3.18 kg	1 Internal	\$257
Cabela's Kentucky Rifle (Percussion Lock)	.50 Blackpowder	3.18 kg	1 Internal	\$282

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Cabela's Kentucky Rifle (Flintlock)	1/12	2	1- Nil	10	1	Nil	20
Cabela's Kentucky Rifle (Percussion Lock)	1/6	2	1- Nil	10	1	Nil	20

### Cabela's Kodiak Express Double Rifle

Notes: Like's many of Cabela-sold designs the Kodiak Express Double rifle is essentially a modern replica of a non-specific old-type rifle. The double barrels have double lockwork, though only one trigger. It comes only in percussion cap designs, with European walnut furniture, color-cased hardened lock, blued barrels, and blued fittings. The Kodiak express double Rifle has double leaf rear sights and double ramp front sights. Barrels are short for this sort of rifle at 25.25 inches. The .72 Caliber version is often known as the Big Bore.

Weapon	Ammunition	Weight	Magazines	Price
Cabela's Kodiak Express Double Rifle	.72 Blackpowder	4.22 kg	2 Internal	\$810
Cabela's Kodiak Express Double Rifle	.58 Blackpowder	3.83 kg	2 Internal	\$649
Cabela's Kodiak Express Double Rifle	.54 Blackpowder	3.74 kg	2 Internal	\$615
Cabela's Kodiak Express Double Rifle	.50 Blackpowder	3.66 kg	2 Internal	\$586

Weapon	ROF*	Damage	Pen	Bulk	SS	Burst	Range
Cabela's Kodiak Express Double Rifle (.72)	1/2	4	2- Nil	8	3	Nil	48
Cabela's Kodiak Express Double Rifle (.58)	1/2	3	1- Nil	8	2	Nil	43
Cabela's Kodiak Express Double Rifle (.54)	1/2	2	1- Nil	8	2	Nil	42
Cabela's Kodiak Express Double Rifle (.50)	1/2	2	1- Nil	8	1	Nil	39

\*Reloading both barrels takes 12 phases. Reload figure for one barrel is 6 phases.

### Cabela's Traditional Hawken

Notes: This is a modern replica of the traditional Hawken rifle of yore, with walnut furniture and updated with a bladed front sight with an adjustable rear sight, The rifle also has several anachronistic features such as a color-case hardened lock, a blued barrel, though it has a brass trigger guards and fittings. A Sporterized Cabela's Hawken is also available, with a more up-to-date stock configuration and a rubber recoil pad. Ignition is by flintlock or percussion lock. Barrel length is 29 inches regardless of caliber or type.

Weapon	Ammunition	Weight	Magazines	Price
Cabela's Traditional Hawken (Flintlock)	.50 Blackpowder	4.08 kg	1 Internal	\$217
Cabela's Traditional Hawken (Percussion Lock)	.50 Blackpowder	4.08 kg	1 Internal	\$242
Cabela's Traditional Hawken (Flintlock)	.54 Blackpowder	4.18 kg	1 Internal	\$234
Cabela's Traditional Hawken (Percussion Lock)	.54 Blackpowder	4.18 kg	1 Internal	\$259
Cabela's Sporterized Hawken (Flintlock)	.50 Blackpowder	4.13 kg	1 Internal	\$242
Cabela's Sporterized Hawken (Percussion)	.50 Blackpowder	4.13 kg	1 Internal	\$267

Lock) Cabela's Sporterized Hawken (Flintlock)	.54 Blackpowder	4.23 kg	1 Internal	\$256
Cabela's Sporterized Hawken (Percussion Lock)	.54 Blackpowder	4.23 kg	1 Internal	\$281

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Cabela's Traditional/Sporterized Hawken (Flintlock, .50)	1/12	2	1- Nil	9	1	Nil	26
Cabela's Traditional/Sporterized Hawken (Percussion Lock, .50)	1/6	2	1- Nil	9	1	Nil	26
Cabela's Traditional/Sporterized Hawken (Flintlock, .54)	1/12	2	1- Nil	9	2	Nil	27
Cabela's Traditional/Sporterized Hawken (Percussion Lock, .54)	1/6	2	1- Nil	9	2	Nil	27

### CS Richmond

Notes: This is another reproduction of a Civil War musket, and as such has walnut furniture in a shape to conform to the original musket. The 40-inch barrel is polished steel, and most of the rest of the metalwork is brass, including a brass buttplate and fore-end cap, as well as three barrel bands. The CS Richmond is equipped with sling swivels. As with most such muskets, the CS Richmond is a rather large and cumbersome weapon of questionable accuracy. Ignition is by percussion. Current reproductions are sold by Dixie Gun Works, Navy Arms, and Taylor's.

Weapon	Ammunition	Weight	Magazines	Price
CS Richmond	.58 Blackpowder	4.76 kg	1 Internal	\$304

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CS Richmond	1/12	3	1- Nil	10	2	Nil	45

### CVA Bobcat

Notes: The Bobcat is a modern take on blackpowder rifles; the ignition is by percussion, but the stock can be of hardwood or synthetic, and is of modern design and form. The Bobcat normally comes with fixed sights, but adjustable rear sights may be had. The front sight is a blade rather than a simple post or bead. Metalwork is finished in blue, and the barrel is a 26" octagonal heavy barrel.

Weapon	Ammunition	Weight	Magazines	Price
CVA Bobcat (Wood Stock)	.50 Blackpowder	2.72 kg	1 Internal	\$208
CVA Bobcat (Synthetic Stock)	.50 Blackpowder	2.5 kg	1 Internal	\$211
CVA Bobcat (Wood Stock)	.54 Blackpowder	2.78 kg	1 Internal	\$223
CVA Bobcat (Synthetic Stock)	.54 Blackpowder	2.56 kg	1 Internal	\$226

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CVA Bobcat (.50)	1/6	2	1- Nil	8	2	Nil	29
CVA Bobcat (.54)	1/6	2	1- Nil	8	3	Nil	30

### CVA Model 209

Notes: The Model 209 is essentially a modern bolt-action-type rifle modified into a blackpowder weapon. As such, it has contours that a modern shooter would find familiar, with a stock that has a slightly-raised comb, a checkered pistol grip wrist and fore-end, and modern-type sights (appropriate to the ammunition, of course) with Dura-Bright fiberoptic insets. The stock may be of a natural wood finish, or may be composite with black or Mossy Oak finishes. Metalwork is blued or nickel. Ignition in all cases is by percussion.

The Optima Pro 209 is the base version, with a 29-inch barrel. The Kodiak 209 Magnum is the same caliber, but stressed for heavier powder loads, and has a Stainless 209 breech plug; it has a 28-inch barrel. The Buckhorn 209 Magnum uses heavier

calibers as well as being stressed for heavier powder loads; it has a 24-inch barrel. The Firebolt 209 Magnum differs in using inline bolt action and having a recoil pad, as well as adjustable sights; it is also drilled and tapped for a scope. The barrel is 26 inches, and it is stressed for a heavier powder load. The Hunterbolt 209 Magnum is again stressed for a heavier powder load and uses inline bolt action. The sights are adjustable and the barrel is 24 inches. (The Magnum versions use magnum powder loads in the stats below.)

The Eclipse 209 Magnum and Stag Horn are similar, but the Eclipse is stressed for a Magnum load, and the Eclipse comes in black synthetic furniture while the Stag Horn comes only in black furniture. Both have 24-inch barrels. The iron sights have fiberoptic inserts, and the weapons are drilled and tapped for a scope. Metalwork finish is blue in both cases. Both use inline ignition and loading.

Weapon	Ammunition	Weight	Magazines	Price
CVA Optima Pro 209	.45 Blackpowder	3.99 kg	1 Internal	\$408
CVA Optima Pro 209	.50 Blackpowder	3.99 kg	1 Internal	\$439
CVA Kodiak 209 Magnum	.45 Blackpowder	3.4 kg	1 Internal	\$397
CVA Kodiak 209 Magnum	.50 Blackpowder	3.4 kg	1 Internal	\$586
CVA Buckhorn Magnum 209	.50 Blackpowder	3.18 kg	1 Internal	\$387
CVA Buckhorn Magnum 209	.54 Blackpowder	3.18 kg	1 Internal	\$417
CVA Firebolt 209 Magnum	.45 Blackpowder	3.18 kg	1 Internal	\$377
CVA Firebolt 209 Magnum	.50 Blackpowder	3.18 kg	1 Internal	\$408
CVA Hunterbolt Magnum	.45 Blackpowder	2.72 kg	1 Internal	\$357
CVA Hunterbolt Magnum	.50 Blackpowder	2.72 kg	1 Internal	\$388
CVA Eclipse 209 Magnum	.50 Blackpowder	2.72 kg	1 Internal	\$388
CVA Stag Horn 209	.50 Blackpowder	2.72 kg	1 Internal	\$388

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CVA Optima Pro 209 (.45)	1/5	2	1- Nil	8	1	Nil	29
CVA Optima Pro 209 (.50)	1/5	2	1- Nil	8	1	Nil	30
CVA Kodiak 209 Magnum (.45)	1/5	3	1- 2- Nil	8	1	Nil	34
CVA Kodiak 209 Magnum (.50)	1/5	3	1- 2- Nil	8	1	Nil	35
CVA Buckhorn Magnum 209 (.50)	1/5	3	1- 2- Nil	8	1	Nil	30
CVA Buckhorn Magnum 209 (.54)	1/6	2	1- 2- Nil	8	2	Nil	31
CVA Firebolt 209 Magnum (.45)	1/5	3	1- 2- Nil	8	1	Nil	62
CVA Firebolt 209 Magnum (.50)	1/5	3	1- 2- Nil	8	1	Nil	66
CVA Hunterbolt Magnum (.45)	1/5	3	1- 2- Nil	8	1	Nil	58
CVA Hunterbolt Magnum (.50)	1/5	3	1- 2- Nil	8	2	Nil	60
CVA Eclipse 209 Magnum	1/5	3	1- 2- Nil	8	2	Nil	60
CVA Stag Horn 209	1/5	2	1- Nil	8	2	Nil	50

#### CVA Mountain Rifle

Notes: The Mountain Rifle is sort of a deluxe version for CVA, as well as being a more traditional version; it has a straight-wrist

stock, and the stock is of Hardwood with UltraGrain finish, and it of more traditional profile. Metalwork is blued. The sights consist of a fixed rear notch and a blade front. The barrel is 32 inches, and the ignition is by percussion.

Weapon	Ammunition	Weight	Magazines	Price
CVA Mountain Rifle	.50 Blackpowder	2.95 kg	1 Internal	\$232

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CVA Mountain Rifle	1/12	2	1- Nil	9	1	Nil	33

### CVA Plainsman

Notes: This is a more traditional CVA design, with a hardwood old-profile stock with a bead front sight and fixed notch rear sight. The metalwork is mostly color-case hardened, except for the barrels. The barrel is 26 inches, and ignition is by percussion.

Weapon	Ammunition	Weight	Magazines	Price
CVA Plainsman	.50 Blackpowder	4.08 kg	1 Internal	\$202

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CVA Plainsman	1/12	2	1- Nil	8	1	Nil	27

### CVA St. Louis Hawken

Notes: This is a more traditional pattern of blackpowder gun, with flintlock or percussion ignition and maple furniture. The iron sights are a brass blade front and a brass peep fixed rear sight. The metalwork is largely blued, but with some brass or black parts. It does, however, have a set trigger. Left-handed versions are available. Barrels are 28 inches or 32 inches.

Weapon	Ammunition	Weight	Magazines	Price
St Louis Hawken (28" Barrel, Flintlock)	.50 Blackpowder	3.63 kg	1 Internal	\$212
St Louis Hawken (32" Barrel, Flintlock)	.50 Blackpowder	3.79 kg	1 Internal	\$232
St Louis Hawken (28" Barrel, Flintlock)	.54 Blackpowder	3.68 kg	1 Internal	\$227
St Louis Hawken (32" Barrel, Flintlock)	.54 Blackpowder	3.84 kg	1 Internal	\$247
St Louis Hawken (28" Barrel, Percussion)	.50 Blackpowder	3.63 kg	1 Internal	\$237
St Louis Hawken (32" Barrel, Percussion)	.50 Blackpowder	3.79 kg	1 Internal	\$257
St Louis Hawken (28" Barrel, Percussion)	.54 Blackpowder	3.68 kg	1 Internal	\$252
St Louis Hawken (32" Barrel, Percussion)	.54 Blackpowder	3.84 kg	1 Internal	\$272

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
St Louis Hawken (28", .50, Flintlock)	1/12	2	1- Nil	8	1	Nil	29
St Louis Hawken (32", .50, Flintlock)	1/12	2	1- Nil	9	1	Nil	33
St Louis Hawken (28", .54, Flintlock)	1/12	2	1- Nil	8	2	Nil	30
St Louis Hawken (32", .54, Flintlock)	1/12	2	1- Nil	9	2	Nil	34
St Louis Hawken (28", .50, Percussion)	1/6	2	1- Nil	8	1	Nil	29
St Louis Hawken (32", .50, Percussion)	1/6	2	1- Nil	9	1	Nil	33
St Louis Hawken (28", .54, Percussion)	1/6	2	1- Nil	8	2	Nil	30
St Louis Hawken (32", .54, Percussion)	1/6	2	1- Nil	9	2	Nil	34

### CVA Youth Hunter

Notes: As the name suggests, the Youth Hunter is designed for young teenagers first getting acquainted with blackpowder weapons. The stock is therefore shorter in length of pull and has less of a drop in it, and the pistol grip radius has a smaller diameter. The stock is hardwood and the barrel is a 24" octagonal heavy barrel. Sights are a bead front and a fully adjustable rear peep sight. Finish of the metalwork is matte blue. Ignition is by percussion.

Weapon	Ammunition	Weight	Magazines	Price
CVA Youth Hunter	.50 Blackpowder	3.29 kg	1 Internal	\$197

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
CVA Youth Hunter	1/12	2	1- Nil	8	2	Nil	27

### Dixie Kentuckian

Notes: Made in Italy, the Dixie Kentuckian is an old-style flintlock weapon with a long 35.25-inch smoothbore barrel. (A percussion ignition version is also made.) The stock is of the old type, made of walnut and with a dovetailed front sight and an open V-notch rear fixed sight. The barrel, trigger, and other small metalwork is blued; the lockwork is color-case hardened. The Dixie Kentuckian hearkens back to the days of yore and is made in a sort of replica of an old Kentucky rifle (though it is smoothbore).

Weapon	Ammunition	Weight	Magazines	Price
Dixie Kentuckian (Flintlock)	.45 Blackpowder	2.49 kg	1 Internal	\$233
Dixie Kentuckian (Percussion)	.45 Blackpowder	2.49 kg	1 Internal	\$258

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Dixie Kentuckian (Flintlock)	1/12	2	1- Nil	10	1	Nil	35
Dixie Kentuckian (Percussion)	1/6	2	1- Nil	10	1	Nil	35

### Hawken Rifle

Notes: This is a reproduction of the rifle that saw the passage from the long and heavy Pennsylvania rifles, to a group of rifles known as "Plains Rifles," and the Hawken also marked the abandonment of the old flintlock ignition system for the more modern percussion method. As such, it began the process of evolution of the rifle to what would come with the Civil War. Several versions were available, from the original Rock Mountain Hawken available in about 1840, and the Missouri River Hawken, which generally used smaller calibers of ball. The barrels included a 28", 28.75", 30", 31", and 32", and they are heavy octagonal barrels with low blade front sights and adjustable notch rear sights. Though the original Hawken had double set triggers, these are an option and not standard on most reproductions. The barrel is blued, and the Hawken reproduction has a brass butt plate, patch box, wedge side plates, and nose cap. Stocks are of walnut or maple. This weapon is already a rifle; no range adjustment for using a rifled version is necessary; though rifled balls are used instead of Minie-type balls. Details may vary between manufacturers; current manufacturers or distributors include Black Powder Products, Dixie Gun Works, TC Arms, and Traditions.

Note that this Hawken reproduction is not related to the CVA St Louis Hawken except in generalized form.

Weapon	Ammunition	Weight	Magazines	Price
Hawken (28" Barrel)	.45 Blackpowder	2.95 kg	1 Internal	\$306
Hawken (28.75" Barrel)	.45 Blackpowder	3.1 kg	1 Internal	\$312
Hawken (30" Barrel)	.45 Blackpowder	3.13 kg	1 Internal	\$315
Hawken (31" Barrel)	.45 Blackpowder	3.19 kg	1 Internal	\$324
Hawken (32" Barrel)	.45 Blackpowder	3.25 kg	1 Internal	\$331
Hawken (28" Barrel)	.50 Blackpowder	3.12 kg	1 Internal	\$323
Hawken (28.75" Barrel)	.50 Blackpowder	3.29 kg	1 Internal	\$329
Hawken (30" Barrel)	.50 Blackpowder	3.32 kg	1 Internal	\$339
Hawken (31" Barrel)	.50 Blackpowder	3.38 kg	1 Internal	\$346
Hawken (32" Barrel)	.50 Blackpowder	3.44 kg	1 Internal	\$354
Hawken (28" Barrel)	.54 Blackpowder	3.28 kg	1 Internal	\$344
Hawken (28.75" Barrel)	.54 Blackpowder	3.46 kg	1 Internal	\$350
Hawken (30" Barrel)	.54 Blackpowder	3.49 kg	1 Internal	\$360
Hawken (31" Barrel)	.54 Blackpowder	3.55 kg	1 Internal	\$368

Hawken (32" Barrel)	.54 Blackpowder	3.61 kg	1 Internal	\$376
---------------------	-----------------	---------	------------	-------

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Hawken (28" Barrel, .45)	1/8	3	1- Nil	8	1	Nil	44
Hawken (28.75" Barrel, .45)	1/8	3	1- Nil	9	1	Nil	45
Hawken (30" Barrel, .45)	1/8	3	1- Nil	9	1	Nil	46
Hawken (31" Barrel, .45)	1/8	3	1- Nil	9	1	Nil	47
Hawken (32" Barrel, .45)	1/8	3	1- Nil	9	1	Nil	49
Hawken (28" Barrel, .50)	1/8	3	1- Nil	8	1	Nil	45
Hawken (28.75" Barrel, .50)	1/8	3	1- Nil	9	1	Nil	46
Hawken (30" Barrel, .50)	1/8	3	1- Nil	9	1	Nil	49
Hawken (31" Barrel, .50)	1/8	3	1- Nil	9	1	Nil	50
Hawken (32" Barrel, .50)	1/8	3	1- Nil	9	1	Nil	51
Hawken (28" Barrel, .54)	1/8	3	1- Nil	9	2	Nil	46
Hawken (28.75" Barrel, .54)	1/8	3	1- Nil	9	2	Nil	48
Hawken (30" Barrel, .54)	1/8	3	1- Nil	9	2	Nil	50
Hawken (31" Barrel, .54)	1/8	3	1- Nil	9	2	Nil	51
Hawken (32" Barrel, .54)	1/8	3	1- Nil	9	2	Nil	53

### Indian Trade Musket

Notes: This is a modern reproduction of muskets produced by Pedersoli, Pennsylvania Longrifles, and some British companies. The original Indian Trade Muskets were traded or given to friendly or allied Native Americans in colonial times or during the early days of the US government. As such, this reproduction matches the design of the times; it has a full length stock of hardwood and a long, narrow stock. Most metal fittings are of brass, with an oversized trigger guard. The front sight is a simple blade; the rear sight has a limited amount of adjustability (primarily for drift). Being a musket, the 35.25-inch barrel is smoothbore, and has a browned exterior finish. Firing is by flintlock percussion. The example presented here is a model sold by Cabela's.

Weapon	Ammunition	Weight	Magazines	Price
Indian Trade Musket	.62 Blackpowder	3.13 kg	1 Internal	\$300

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Indian Trade Musket	1/12	3	1- Nil	10	3	Nil	41

### JP Murray Carbine

Notes: The original JP Murray carbines were built by Murray's facility; much of Murray's output of these carbines were sold on the sly to the American Confederacy. Some were, in fact, built under license in the Confederacy by Zoli; however, not many were built by the Confederates, as they suffered from a poor manufacturing base. Most that were built in the Confederacy were built in Columbus, Georgia. A large number were also built in England, but assembled in the Confederacy; this allowed for parts to be separately delivered by small blockade running ships and boats. The JP Murray Carbine has been said to be heavily based on the US Model 1841 Rifle, though there is the chopped barrel and other small differences. The JP Murray Carbine was well thought of by Confederate troops due to its relatively small size, though it a bit muzzle-heavy, and heavy in general for such a short weapon. The JP Murray Carbine fires Minie Balls (through a rifled barrel, of course), though it used a percussion system that required a piece of flintlock in the hammer (though it is not actually a flintlock).

Modern reproductions have hardwood or walnut stocks, with for-ends that go all the way to the end of the barrel. The Modern JP Murray Carbine primarily sticks to the original plans, with a brass blade front sight, a rear sight which is dovetailed in (and

therefore somewhat adjustable for drift), a blued barrel, a color-case hardened action, and otherwise with brass furniture (including one barrel band and a combined fitting for a ramrod and a bayonet). The barrel is a short 23.5 inches. Dixie Gun works and Navy Arms are some of the manufactures of modern JP Murray Carbines.

Weapon	Ammunition	Weight	Magazines	Price
JP Murray Carbine	.58 Blackpowder	3.63 kg	1 Internal	\$396

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
JP Murray Carbine	1/8	3	1- Nil	8	2	Nil	54

### Kentucky Rifle

Notes: I don't know of any history major, history buff, or military weapon buff who hasn't heard of the Kentucky Rifle. Also known as the Kentucky Long Rifle (it is rather long, especially in iterations that have longer barrels). It is an All-American rifle, developed in what was then the American frontier (Western Pennsylvania) in about the 1740s; however, it is generally acknowledged that the design developed from weapons used by German immigrants. The Kentucky Rifle is known for its accuracy and simply for being a rifle (using a rifled ball) at a time when most longarms were unrifled muskets. Some Kentucky Rifles were made rather ornate by their owners, though most retained their utilitarian form and were used for hunting and self defense. Irregulars armed with Kentucky Rifles quickly became the bane of British Troops during the Revolutionary War – their owners were generally crafty woodsmen who would fire a well-aimed shot, with the accent on picking off officers, and then melt into the woods again, leaving no trace. Kentucky Rifle-armed marksmen again acquitted themselves well during the War of 1812, particularly in the Battle of New Orleans. Backwoods people were known to make regular use of the Kentucky Rifle well into the 19<sup>th</sup> century, and reports of its use into the early 20<sup>th</sup> century abound. The Hawken Rifle was essentially a shorter-barreled, shorter-stocked version of the Kentucky Rifle.

Modern reproductions follow the original design as much as possible. An authentic stock is made of curly maple, but most modern reproductions use walnut in the stock. The stock is long, relatively narrow, has a pronounced drop in it, and a sharply-curved butt that is designed to help stabilization on the shooter's shoulder. The smaller calibers available reflect the fact that users of the Kentucky Rifles often chose smaller bores, both to make a lighter weapon and to conserve lead, which a short commodity at the time. The barrels, of course, are quite long. Modern reproductions often are somewhat or even highly decorated, particularly on the stock. Sights are rudimentary, with a simple notch rear and blade front (a long way to the front of the rear sight); some modern reproductions are equipped with better sights. Most metalwork is brass, but the barrel is heavy and of an octagonal cross-section; it is generally blued in modern reproductions. Depending on the time period simulated, the Kentucky Rifle can have flintlock or percussion ignition; the percussion versions are identical, but take only half the time to reload. Modern manufacturers of the Kentucky Rifle include Dixie gun Works, Taylor's, and traditions.

Weapon	Ammunition	Weight	Magazines	Price
Kentucky Rifle (33.5" Barrel)	.36 Blackpowder	2.75 kg	1 Internal	\$313
Kentucky Rifle (35" Barrel)	.36 Blackpowder	2.82 kg	1 Internal	\$324
Kentucky Rifle (35.25" Barrel)	.36 Blackpowder	2.83 kg	1 Internal	\$327
Kentucky Rifle (38" Barrel)	.36 Blackpowder	2.97 kg	1 Internal	\$348
Kentucky Rifle (42" Barrel)	.36 Blackpowder	3.17 kg	1 Internal	\$379
Kentucky Rifle (44" Barrel)	.36 Blackpowder	3.27 kg	1 Internal	\$395
Kentucky Rifle (46" Barrel)	.36 Blackpowder	3.37 kg	1 Internal	\$410
Kentucky Rifle (48" Barrel)	.36 Blackpowder	3.47 kg	1 Internal	\$426
Kentucky Rifle (33.5" Barrel)	.40 Blackpowder	2.83 kg	1 Internal	\$324
Kentucky Rifle (35" Barrel)	.40 Blackpowder	2.9 kg	1 Internal	\$336
Kentucky Rifle (35.25" Barrel)	.40 Blackpowder	2.91 kg	1 Internal	\$338
Kentucky Rifle (38" Barrel)	.40 Blackpowder	3.05 kg	1 Internal	\$360
Kentucky Rifle (42" Barrel)	.40 Blackpowder	3.26 kg	1 Internal	\$391

Barrel)							
Kentucky Rifle (44" Barrel)	.40 Blackpowder	3.36 kg	1 Internal	\$407			
Kentucky Rifle (46" Barrel)	.40 Blackpowder	3.46 kg	1 Internal	\$422			
Kentucky Rifle (48" Barrel)	.40 Blackpowder	3.56 kg	1 Internal	\$437			
Kentucky Rifle (33.5" Barrel)	.45 Blackpowder	2.95 kg	1 Internal	\$343			
Kentucky Rifle (35" Barrel)	.45 Blackpowder	3.03 kg	1 Internal	\$354			
Kentucky Rifle (35.25" Barrel)	.45 Blackpowder	3.04 kg	1 Internal	\$356			
Kentucky Rifle (38" Barrel)	.45 Blackpowder	3.19 kg	1 Internal	\$378			
Kentucky Rifle (42" Barrel)	.45 Blackpowder	3.4 kg	1 Internal	\$409			
Kentucky Rifle (44" Barrel)	.45 Blackpowder	3.51 kg	1 Internal	\$425			
Kentucky Rifle (46" Barrel)	.45 Blackpowder	3.62 kg	1 Internal	\$441			
Kentucky Rifle (48" Barrel)	.45 Blackpowder	3.73 kg	1 Internal	\$456			
Kentucky Rifle (33.5" Barrel)	.50 Blackpowder	3.1 kg	1 Internal	\$366			
Kentucky Rifle (35" Barrel)	.50 Blackpowder	3.18 kg	1 Internal	\$377			
Kentucky Rifle (35.25" Barrel)	.50 Blackpowder	3.19 kg	1 Internal	\$380			
Kentucky Rifle (38" Barrel)	.50 Blackpowder	3.35 kg	1 Internal	\$401			
Kentucky Rifle (42" Barrel)	.50 Blackpowder	3.57 kg	1 Internal	\$432			
Kentucky Rifle (44" Barrel)	.50 Blackpowder	3.69 kg	1 Internal	\$448			
Kentucky Rifle (46" Barrel)	.50 Blackpowder	3.81 kg	1 Internal	\$464			
Kentucky Rifle (48" Barrel)	.50 Blackpowder	3.93 kg	1 Internal	\$479			
Kentucky Rifle (33.5" Barrel)	.54 Blackpowder	3.25 kg	1 Internal	\$329			
Kentucky Rifle (35" Barrel)	.54 Blackpowder	3.33 kg	1 Internal	\$399			
Kentucky Rifle (35.25" Barrel)	.54 Blackpowder	3.34 kg	1 Internal	\$401			
Kentucky Rifle (38" Barrel)	.54 Blackpowder	3.51 kg	1 Internal	\$423			
Kentucky Rifle (42" Barrel)	.54 Blackpowder	3.74 kg	1 Internal	\$454			
Kentucky Rifle (44" Barrel)	.54 Blackpowder	3.87 kg	1 Internal	\$470			
Kentucky Rifle (46" Barrel)	.54 Blackpowder	4 kg	1 Internal	\$486			
Kentucky Rifle (48" Barrel)	.54 Blackpowder	4.13 kg	1 Internal	\$501			

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Kentucky Rifle (33.5" Barrel, .36)	1/12	2	Nil	9	1	Nil	45
Kentucky Rifle (35" Barrel, .36)	1/12	2	Nil	10	1	Nil	47
Kentucky Rifle (35.25" Barrel, .36)	1/12	2	Nil	10	1	Nil	48

Kentucky Rifle (38" Barrel, .36)	1/12	2	Nil	10	1	Nil	51
Kentucky Rifle (42" Barrel, .36)	1/12	2	Nil	11	1	Nil	56
Kentucky Rifle (44" Barrel, .36)	1/12	2	Nil	11	1	Nil	59
Kentucky Rifle (46" Barrel, .36)	1/12	2	Nil	11	1	Nil	62
Kentucky Rifle (48" Barrel, .36)	1/12	2	Nil	12	1	Nil	64
Kentucky Rifle (33.5" Barrel, .40)	1/12	2	Nil	9	1	Nil	47
Kentucky Rifle (35" Barrel, .40)	1/12	2	Nil	10	1	Nil	50
Kentucky Rifle (35.25" Barrel, .40)	1/12	2	Nil	10	1	Nil	51
Kentucky Rifle (38" Barrel, .40)	1/12	2	Nil	10	1	Nil	54
Kentucky Rifle (42" Barrel, .40)	1/12	2	Nil	11	1	Nil	59
Kentucky Rifle (44" Barrel, .40)	1/12	2	Nil	11	1	Nil	62
Kentucky Rifle (46" Barrel, .40)	1/12	2	Nil	11	1	Nil	65
Kentucky Rifle (48" Barrel, .40)	1/12	2	Nil	12	1	Nil	68
Kentucky Rifle (33.5" Barrel, .45)	1/12	3	1- Nil	9	1	Nil	51
Kentucky Rifle (35" Barrel, .45)	1/12	3	1- Nil	10	1	Nil	53
Kentucky Rifle (35.25" Barrel, .45)	1/12	3	1- Nil	10	1	Nil	54
Kentucky Rifle (38" Barrel, .45)	1/12	3	1- Nil	10	1	Nil	55
Kentucky Rifle (42" Barrel, .45)	1/12	3	1- Nil	11	1	Nil	64
Kentucky Rifle (44" Barrel, .45)	1/12	3	1- Nil	11	1	Nil	67
Kentucky Rifle (46" Barrel, .45)	1/12	3	1- Nil	12	1	Nil	70
Kentucky Rifle (48" Barrel, .45)	1/12	3	1- Nil	12	1	Nil	73
Kentucky Rifle (33.5" Barrel, .50)	1/12	3	1- Nil	9	1	Nil	53
Kentucky Rifle (35" Barrel, .50)	1/12	3	1- Nil	10	1	Nil	56
Kentucky Rifle (35.25" Barrel, .50)	1/12	3	1- Nil	10	1	Nil	57
Kentucky Rifle (38" Barrel, .50)	1/12	3	1- Nil	10	1	Nil	60
Kentucky Rifle (42" Barrel, .50)	1/12	3	1- Nil	11	1	Nil	66
Kentucky Rifle (44" Barrel, .50)	1/12	3	1- Nil	11	1	Nil	70
Kentucky Rifle (46" Barrel, .50)	1/12	3	1- Nil	12	1	Nil	73
Kentucky Rifle (48" Barrel, .50)	1/12	3	1- Nil	12	1	Nil	76
Kentucky Rifle (33.5" Barrel, .54)	1/12	3	1- Nil	9	2	Nil	55
Kentucky Rifle (35" Barrel, .54)	1/12	3	1- Nil	10	2	Nil	58
Kentucky Rifle (35.25" Barrel, .54)	1/12	3	1- Nil	10	2	Nil	59
Kentucky Rifle (38" Barrel, .54)	1/12	3	1- Nil	10	2	Nil	62
Kentucky Rifle (42" Barrel, .54)	1/12	3	1- Nil	11	2	Nil	69
Kentucky Rifle (44" Barrel, .54)	1/12	3	1- Nil	11	2	Nil	72
Kentucky Rifle (46" Barrel, .54)	1/12	3	1- Nil	12	2	Nil	75
Kentucky Rifle (48" Barrel, .54)	1/12	3	1-	12	2	Nil	78

Knight Elite Disc Rifle

I'll fully admit I don't understand what the name of this weapon signifies; as with the Revolution, it is essentially a modern take on a blackpowder weapon, and uses inline ignition. The stock style and synthetic construction are all modern, however. The pistol grip wrist and fore-end are checkered. The Elite Disc rifle uses a fully adjustable open rear sight and a blackened front bead. In addition, the Elite Disc Rifle is drilled and tapped for a scope mount. There is a Master Model, which has a two-tone walnut laminated stock, and a Disc Extreme which uses a full plastic jacket primer holder. For game purposes, they are identical to the standard Model.

Weapon	Ammunition	Weight	Magazines	Price
Elite Disc Rifle (24" Barrel)	.50 Blackpowder	3.32 kg	1 Internal	\$328
Elite Disc Rifle (26" Barrel)	.50 Blackpowder	3.41 kg	1 Internal	\$408

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Elite Disc Rifle (24" Barrel)	1/5	2	1- Nil	8	1	Nil	50
Elite Disc Rifle (26" Barrel)	1/5	2	1- Nil	8	1	Nil	54

Knight Revolution

Notes: This is essentially a modern blackpowder weapon, using inline ignition and having a synthetic stock of modern design (and finished in black, Mossy Oak, or Realtree), though a laminated walnut stock is also available. The rear sight is an adjustable open sight; the front sight is a ramp with fiberoptic inserts. Metalwork finish can be blued or stainless steel. The breech pivots and drops for loading. As stated, this is a modern-form rifle; the only thing that separates it from modern rifles is the use of blackpowder. Barrel length is 27 inches.

Weapon	Ammunition	Weight	Magazines	Price
Revolution	.50 Blackpowder	2.92 kg	1 Internal	\$418

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Revolution	1/5	2	1- Nil	8	1	Nil	56

Knight Wolverine

Notes: This is another blackpowder weapon, almost a blackpowder carbine with its short 22" barrel. The Wolverine is an inline design. The stock is synthetic with the pistol grip wrist and fore-end synthetic; finishes for the stock are black or camo of various sorts, and the stock has a recoil pad on the butt. The stock normally uses a pistol grip wrist, but a thumbhole wrist is also available. The rear sights are fully adjustable and the front sight is a blade; both use fiberoptic inserts. The Wolverine is also drilled and tapped for a scope mount.

The American Knight is similar, but the stock has sling swivel studs and does not have a recoil pad. The front sight is a bead instead of a blade, but still has a fiberoptic insert. The American Knight is also considerably lighter than the Wolverine.

Weapon	Ammunition	Weight	Magazines	Price
Wolverine	.50 Blackpowder	3.23 kg	1 Internal	\$442
American Knight	.50 Blackpowder	2.81 kg	1 Internal	\$367

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Wolverine	1/5	2	1- Nil	7	1	Nil	46
American Knight	1/5	2	1- Nil	7	2	Nil	46

Millennium Muzzleloaders Competitor

Notes: As the name would indicate, the Competitor is designed for blackpowder rifle competitions. Except for the blackpowder propellant and inline ignition, the Competitor is a modern rifle, with a synthetic stock in matte charcoal or Mossy Oak finish. The metalwork is blued. The sights use a fiberoptic/bright paint system called by Millennium Muzzleloaders the Bright-Line system. The Competitor is also drilled and tapped for a scope mount. The trigger is fully user-adjustable and the Competitor comes with a synthetic ramrod. Barrel length is 24 inches.

Weapon	Ammunition	Weight	Magazines	Price
Competitor	.45 Blackpowder	3.18 kg	1 Internal	\$357
Competitor	.50 Blackpowder	3.23 kg	1 Internal	\$388

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Competitor (.45)	1/5	2	1- Nil	8	1	Nil	48
Competitor (.50)	1/5	2	1- Nil	8	1	Nil	50

### NEF Huntsman

This is for the most an old early 18<sup>th</sup>-century design muzzleloader, but it has some modern refinements. The stock is American hardwood with a walnut finish, but the stock is also weatherproofed. The front and rear sights both have fiberoptic inlays. The 24-inch barrel has a black oxide finish; the rest of the metalwork is color-case hardened. The Huntsman is also drilled and tapped for a scope mount. The Stainless Huntsman is a variant with a matte nickel finish receiver instead of being color-case hardened.

Weapon	Ammunition	Weight	Magazines	Price
Huntsman	.45 Blackpowder	2.95 kg	1 Internal	\$174
Huntsman	.50 Blackpowder	2.99 kg	1 Internal	\$189

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Huntsman (.45)	1/6	2	1- Nil	8	1	Nil	24
Huntsman (.50)	1/6	2	1- Nil	8	1	Nil	25

### Parker-Hale Volunteer 2-Band Target

Notes: The Volunteer is a replica of an old-world type of rifle; the original was designed for rifled balls, but the Parker-Hale version is designed to fire a modern update of a Minie Ball-type round. (The range below reflects that this is a rifled weapon and not a smoothbore.) Ignition is by percussion, and the barrel is a very long 32-inch barrel with a heavy profile. The stock is of walnut, and oil-finished; a not is given to modern methods with the checkered (straight) wrist and checkered fore-end. The front sights are of a type that was once common, a ball-shaped sight called a globe; the rear sight is an adjustable ladder sight. The receiver has a color-case hardened finish, the barrel is blued, and the buttplate, trigger guard, and parts of the fore-end are brass.

The Whitworth is a similar design, but has a 36-inch barrel which does not have a heavy profile.

Weapon	Ammunition	Weight	Magazines	Price
Volunteer	.451 Blackpowder	4.31 kg	1 Internal	\$420
Whitworth	.451 Blackpowder	4.37 kg	1 Internal	\$451

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Volunteer	1/6	2	1- Nil	9	1	Nil	64
Whitworth	1/6	2	1- Nil	10	1	Nil	70

### Remington M-700ML

Notes: This is the blackpowder counterpart to the great Remington Model 700 cartridge rifles, using blackpowder inline operation. The Model 700ML is otherwise a modern firearm, with a synthetic stock finished in natural black or Mossy Oak camouflage. The front sight can be a bead or a blade, and is dovetailed to allow changes of front sight. The rear sight is an open adjustable model. The Model 700ML is also drilled and tapped for a scope mount. The metalwork is finished in either satin blue or stainless steel. A Youth version with a shorter stock is available; but this is otherwise the same as the standard Model 700ML. Barrel is 24 inches.

Weapon	Ammunition	Weight	Magazines	Price
Remington 700ML	.45 Blackpowder	3.52 kg	1 Internal	\$357
Remington 700ML	.50 Blackpowder	3.57 kg	1 Internal	\$388
Remington 700ML	.54 Blackpowder	3.62 kg	1 Internal	\$417

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Remington 700ML (.45)	1/5	2	1- Nil	8	1	Nil	48
Remington 700ML (.50)	1/5	2	1- Nil	8	1	Nil	50

Remington 700ML (.54)	1/5	2	Nil 1- Nil	8	2	Nil	52
-----------------------	-----	---	------------------	---	---	-----	----

### Ruger M-77/50

Notes: Similar in concept to the Remington 700ML, the Ruger M-77/50 is the blackpowder counterpart to the Ruger M-77 cartridge rifle. It uses inline ignition, and has a 22-inch barrel. The stock may be laminated American hardwood or synthetic. Sights consist of a gold bead front and a folding rear ladder/peep sight. The Ruger M-77/50 has integral one-inch scope mounts, and comes with a pair of one-inch scope rings. Metalwork may be blued or stainless steel. Unlike most blackpowder weapons of this type, the Ruger M-77/50 has a three-position safety. A variant called the Officer's Model has a checkered pistol grip wrist and fore-end and a curved buttplate.

Weapon	Ammunition	Weight	Magazines	Price
M-77/50	.50 Blackpowder	2.95 kg	1 Internal	\$367

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
M-77/50	1/5	2	1- Nil	7	1	Nil	46

### Savage 10ML

Notes: This is another blackpowder weapon based on a cartridge rifle, in this case the Savage Model 10/110 series. Like the Remington and Ruger examples, it uses inline ignition, and has a stock which is basically like that of its cartridge rifle counterpart which can be laminated hardwood or synthetic (the synthetic stock may be black or camo finished). The rear sights are adjustable, and the front sight is a ramp with a fiberoptic inlay. The sights may be deleted and the rifle bought with a factory installed scope (not included below), but is normally drilled and tapped for a scope mount. Metalwork may be blued or stainless steel. Barrel is 24 inches.

Weapon	Ammunition	Weight	Magazines	Price
Model 10ML	.50 Blackpowder	3.52 kg	1 Internal	\$388

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Model 10ML	1/5	2	1- Nil	8	1	Nil	50

### Thompson/Center Black Diamond

Notes: This weapon has a modern stock, but standard percussion ignition and muzzleloading. It can use standard percussion caps or inline-type primers for ignition. The stock is synthetic with checkering on the pistol grip wrist and fore-end. Stock color may be black, faux black walnut, or Realtree Hardwoods camo. The rear sight is a click-adjustable steel peep sight, and the front sight is a ramp. Both have fiberoptic inserts, and the Black Diamond is drilled and tapped for a scope. Metalwork may be blued or stainless steel. The XR (Xtended Range) variant has a 32-inch barrel, as opposed to the 26-inch barrel of the Black Diamond. Standard caliber is .50, but .45 is available upon request.

Weapon	Ammunition	Weight	Magazines	Price
Black Diamond	.45 Blackpowder	3.06 kg	1 Internal	\$189
Black Diamond	.50 Blackpowder	3.09 kg	1 Internal	\$204
XR	.45 Blackpowder	3.31 kg	1 Internal	\$219
XR	.50 Blackpowder	3.34 kg	1 Internal	\$235

Weapon	ROF	Damage	Pen	Bulk	SS	Burst	Range
Black Diamond (.45)	1/6	2	1- Nil	8	1	Nil	26
Black Diamond (.50)	1/6	2	1- Nil	8	1	Nil	27
XR (.45)	1/6	2	1- Nil	9	1	Nil	32
XR (.50)	1/6	2	1- Nil	9	1	Nil	33