means of an electrical pulse. Ignition is virtually instantaneous. And the result is accuracy that many never thought possible.

The electronic fire control has no moving parts other than the trigger. No sear to be released Me firing pin to strike the primer. Instead, an internal electrical circuit sends a sharge through the system to a new electrically responsive primer. Closing the bolt on the cartridge astablishes contact between the firing pin and the primer. When the trigger is pulled, the electronic circuit sends an electrical pulse through the firing pin directly to the primer. This all happens in less than the tank of an eye

Ignition is even faster, with near zero lock time, which virtually eliminates the effects of parrel movement after pulling the trigger. In fact, the bullet exits the barrel before a mechanical firing pin could even hit the primer in a conventional rifle.

Detachable Magazine

Many rifles feature detachable magazines that allow for quick loading and ar simbading of the firearm.

(Where can we find this information?)

Materials (i.e. titanium, composite, etc.) (Where can we find this information?)

Materials — new high technology materials have been used for the production of firearms, such innovations as ceramics and composites have been successfully used it rifle barrels and produce barrels that are light weight, more rigid, and handle the heat better than traditional steel barrels. These exotic barrels are very expensive and are generally paily topic on expensive target or varmit rifles.

SECTION 2: CENTERFIRE CARTRIDGES

Opening

(To be written)

Anatomy of a Centerfire Cartridge

Cutaway. The rifle cartridge is composed of 11 different parts.

Deleted: 6

Using your mouse, rollover and click on the different parts of this cartridge.

The <u>Case</u> is usually made of brass, containing the powder charge, the primer_ and the bullet.

(Before development of the inelatic cartridge, the term was used to mean a roll or case of paper containing powder and shot.

Deleted: Brass

Deleted: .
Deleted: or copper

The Bullet is a single projectile fixed from a firearm.

The <u>Crimp</u> is the portion of a cartifage case that is bent inward to hold the bullet in place,

Deleted: , or in the case of a shotshell, to hold the shot charge in place

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