

# St. Clair County 4-H

## Shooting Sports



### Rifle Projects

### BB Gun

### Air Rifle (Pellet)

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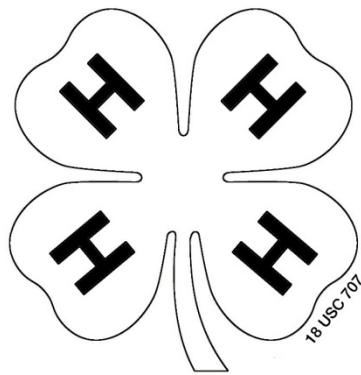
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Developed by:  
St. Clair County  
4-H Shooting Sports Committee

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# 4-H Basic Rifle Orientation



## BB & Air Rifle

Name: \_\_\_\_\_

# 4-H Basic Rifle Orientation

## BB & Air Rifle

**Range Officer** – is the person responsible for seeing the range is operated safely and for the safety of all participants/individuals.

**Range Commands** – are instructions given by the range officer to control those on the firing line, the sequence of events and to inform the shooters what they are to do next. These commands may vary slightly depending on the range officer and the type of shooting that is being done.

### **Key Range Commands:**

*Commence Firing*, means that the range officer has determined that the range is safe and you may begin firing.

*Cease Firing*, means that you MUST STOP firing immediately, put your safety on and wait for the next command on what to do next. In some cases you will be instructed to unload your gun; this will be determined by the range officer on duty.

### **5 SHOOTING FUNDAMENTALS:**

1. Position of body and body with Rifle
2. Sight alignment
3. Breath control
4. Trigger control
5. Follow through

### **4 STEPS TO LEARNING A NEW POSITION:**

1. Study the position
2. Practice the position without the rifle
3. Practice the position with an unloaded rifle
4. Align the position with the target and adjust to natural point of aim

# Parts of a BB Gun & Air Rifle

## 3 Major Parts:

1. Action (Lock)
2. Stock
3. Barrel

## Parts of Stock:

Butt – the rear portion of the stock which is designed to fit against the shoulder

Comb – the top portion of the stock, on which the shooter rests his cheek.

Grip – (also called the “pistol grip” or “small of stock”) – the area where the hand grasps the stock when firing the rifle.

Fore-end (or “forearm”) – the part of the stock that extends underneath the barrel. This is where the non-shooting hand holds the rifle to support it while shooting. When separate from the rear of the stock, it is called the “forearm”.

## Parts of the Barrel:

Bore – the inside of the barrel

Muzzle – the front end of the barrel where the bullet exits

Sights – used to aim the rifle

Front Sight – located at the muzzle end of the barrel

Rear Sight – sight that is most near you

Chamber – the part of the barrel which holds the pellet at instant of firing (air rifle only)

Rifling – Composed of spiral “lands and grooves” cut into the bore. The rifling makes the bullet spin to give it stability. (air rifle only).

## Parts of Action:

Bolt – closes over the chamber to hold the pellet in place for firing (air rifle only)

Lever – handle used to cock the gun

Trigger – when squeezed. Activates the firing mechanism to fire the rifle

Trigger guard – designed to protect the trigger in order to reduce the possibility of an unintentional firing.

Safety – a mechanical device designed to reduce the chance of an unintentional discharge.

**Mechanical devices can fail and must be used ONLY as a supplement to safe gun handling practices!**

## Optional:

CO2 cartridge (on CO2 air rifle only)

Compressed Air Tank (on compressed air rifles only)

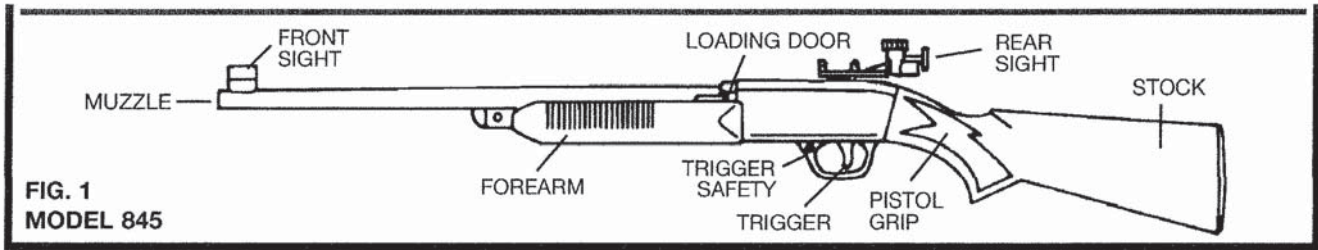


FIG. 1  
MODEL 845

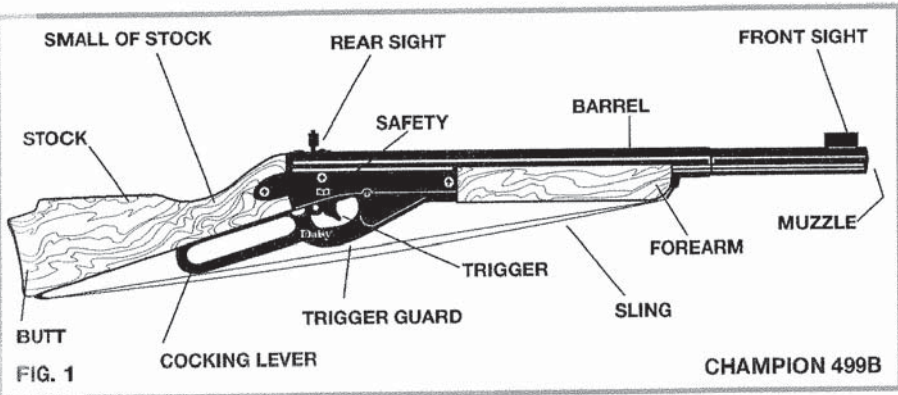
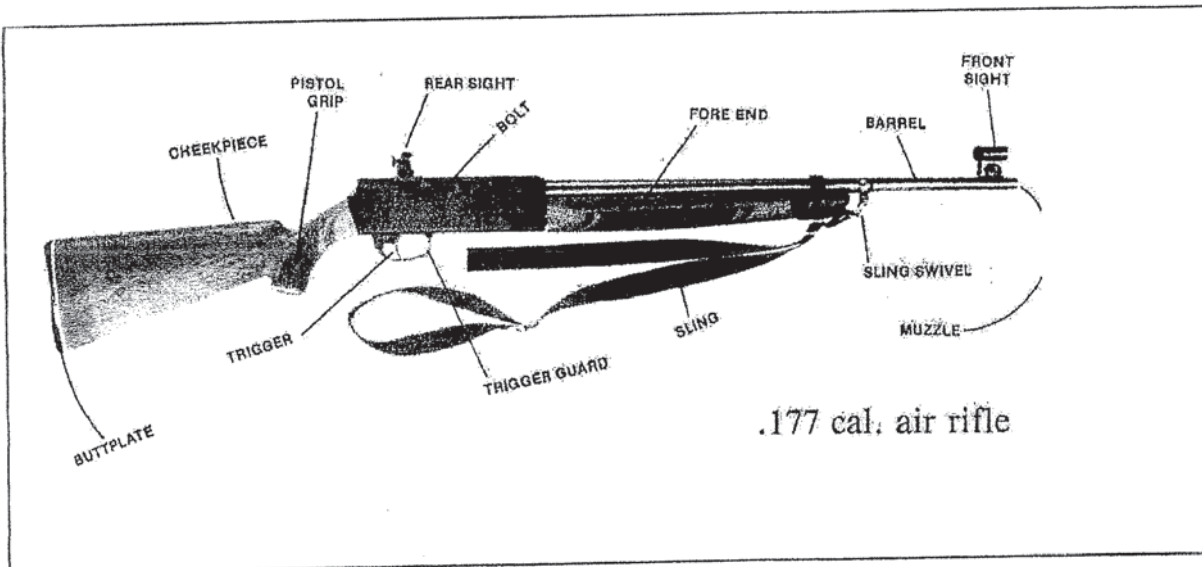
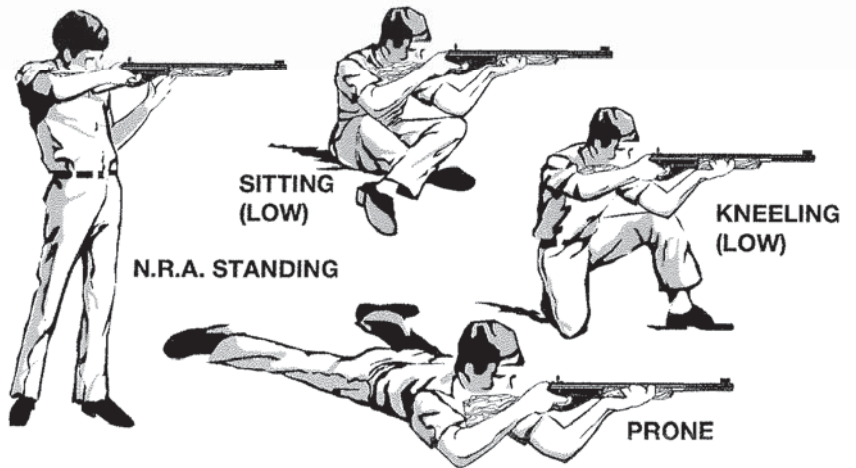


FIG. 1

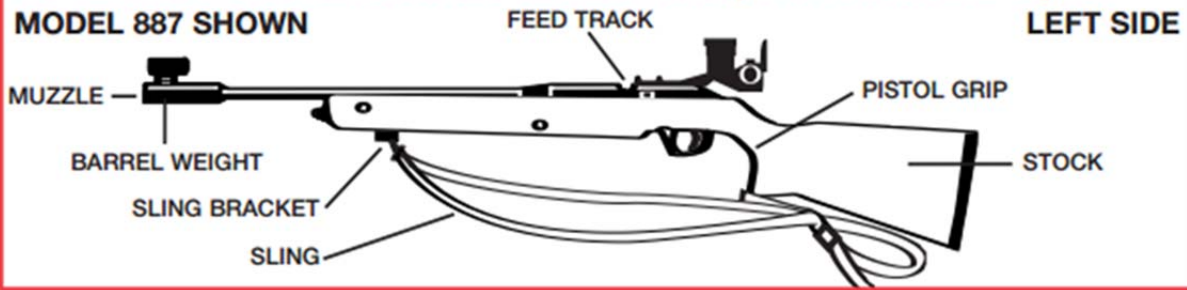
CHAMPION 499B



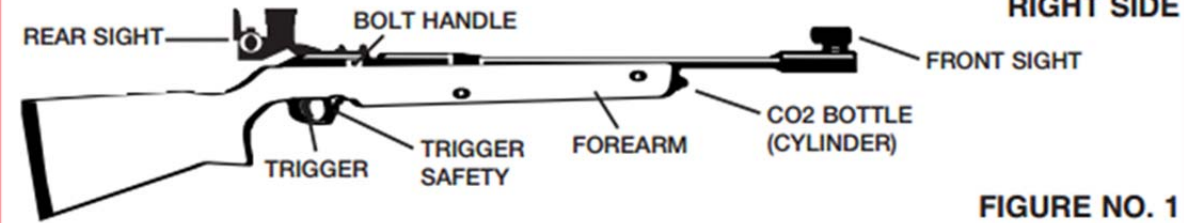
.177 cal. air rifle

**NOTE: Models 887 and 888 are identical except for Stock and Sights.**

**MODEL 887 SHOWN**



**LEFT SIDE**



**RIGHT SIDE**

**FIGURE NO. 1**



Pellet



BB's

# Supplies You Will Need

## BB Gun and Air Rifle

### NOW:

- Shooter log notebook
- A case to hold all equipment
- Safety glasses
- Wooden ammo block
- Ground cloth or shooting mat (for outdoor practices)
- Pencil
- Optional – Binoculars or spotting scope
- Kneeling roll (air rifle only)
- Shooting stand (air rifle only)

### LATER:

- Your own rifle
- Gun case
- Cleaning supplies - like cotton patches, cotton cloth, oil, solvent, tooth brush
- Ammunition – transport separate from your rifle. Note: It is illegal to transport your ammo in the same case that you transport your rifle.
- Open chamber indicator (can easily make)
- Talk to leaders before purchasing your own BB gun or air rifle so that you will not be disappointed. There are requirements that your equipment must meet in order to enter 4-H competitions.

TRANSPORT – all shooting equipment (firearms) in cases, unloaded and in the trunk; or furthest point away from passengers if you do not have a trunk. Ammunition is to be in it's separate container, NOT stored with firearms.

## Safety Rules

**YOU** alone are responsible for gun safety!

### 10 NRA Safe Gun Handling Rules

#### RULES FOR SAFE GUN HANDLING

1. **Always keep the gun pointed in a safe direction.** (NOTE: This rule is considered the "GOLDEN RULE".)
2. **Always** keep the gun unloaded until ready to use.
3. **Always** keep your finger off the trigger until ready to shoot.

#### RULES FOR SAFE RIFLE USE AND STORAGE

1. Know your target and what is beyond.
2. Know how to safely use the gun.
3. Be sure the gun is safe to operate.
4. Use only the correct ammunition for your gun.
5. Wear eye and ear protection as appropriate.
6. Never use alcohol or drugs before or while shooting.
7. Store guns so they are not accessible to unauthorized persons.

**Be aware that certain types of guns and many shooting activities require additional safety precautions not listed above.**

The first thing you should do when arriving at a new shooting range is to learn the range rules for that range.

**ASK = Attitude \* Skill \* Knowledge**

It is important to have the proper ATTITUDE, develop the SKILLS and acquire the necessary KNOWLEDGE to be a safe shooter. Each shooter must be in control of his/her emotions and actions at all times.





## St. Clair County 4-H Shooting Sports

### Annual Rifle Project Participation Form

Shooter's Name:	4-H Age ____ Beg. Jr. Sr.
4-H Club Name:	Date Started Course:
Certified Rifle Instructor's Name:	Phone:
Equipment Used:	

Rifle Knowledge Requirements	Completion Date	Shooter's Initials	Instructor's Initials	Comments
Safe Gun Handling Rules (any time a gun is handled)				
Parts of the Rifle And their functions				
Types of Rifle Actions and their operations				
Ammunition Basics				
Types of Sights and their uses				
Dominate Eye Exercise				Left or Right (circle one)
Transporting Firearms				
Safe Gun Handling Practice Exercise				
Rifle Knowledge Verification			Certified 4-H Shooting Sports Instructor Signature:	

Shooting Fundamental Requirements	Completion Date	Shooter's Initials	Instructor's Initials	Comments
Range Safety Rules (Eye and ear protection)				
Basic Range Commands (Used to control range)				
Sight Alignment and Trigger Control				
Sight Picture and Breath Control				
Sight Adjustment				
<b>Positions:</b>				
Bench Rest				
Standing				
Sitting				
Kneeling				
Prone				
Self-Control				
Rifle Knowledge Verification			Certified 4-H Shooting Sports Instructor Signature:	

This form must be completed and signed by a Michigan 4-H Shooting Sports "Certified Rifle Instructor". The instructor must be registered with the St. Clair County 4-H Office. Completed forms must be presented to fair registrar each year.

By signing this form the instructor is verifying that the above named shooter has successfully completed the "4-H Basic Rifle Course" as outline in the National 4-H Shooting Sports Curriculum and the training provided has been in compliance with the Michigan 4-H Shooting Sports Program "Safety Practices and Policies" document.