

Owner's Manual



CO₂ Lever Action Rifle
(Short and Long Versions)
cal. .177 (4.5 mm) Pellet

Patent Pending

⚠ WARNING: Not a toy. Adult supervision required. Misuse or careless use may cause serious injury or death. May be dangerous up to 500 yards (457 meters).

YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING.
BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

THIS AIRGUN IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER.

⚠ WARNING: Lead pellets. Do not inhale dust or put pellets in mouth. Wash hands after handling. This product contains lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm.)

Please read this owner's manual completely. And remember, this air rifle is not a toy. Treat it with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.

If you have any questions regarding your new air rifle, please contact Umarex USA Customer Service at Umarex USA Inc.

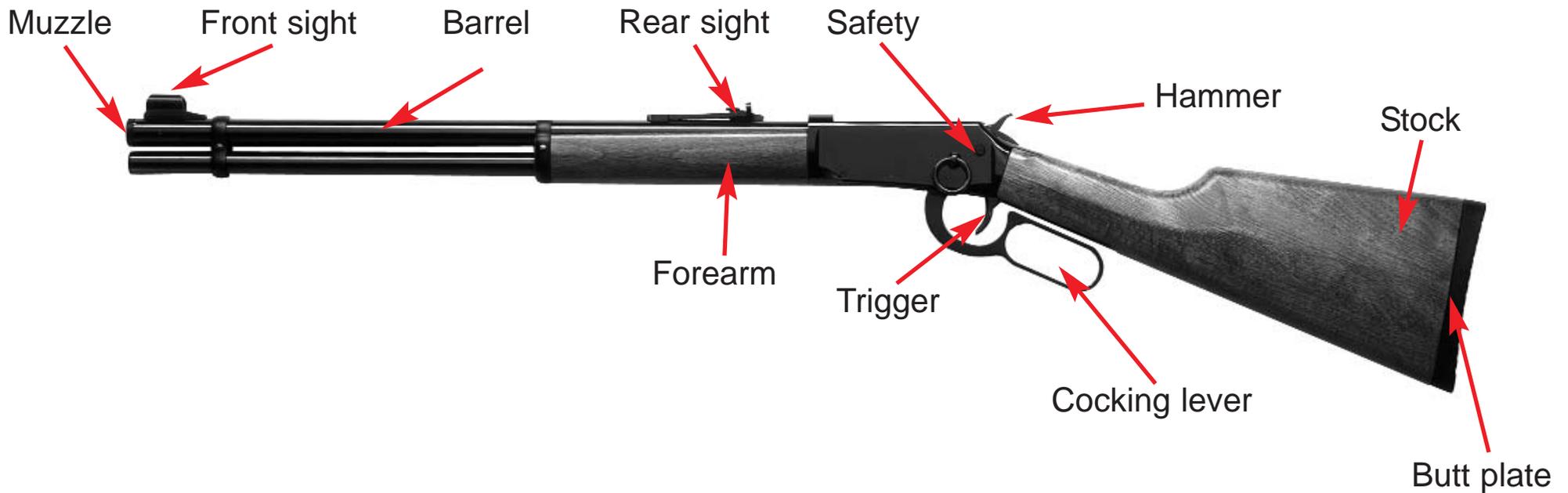
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STEPS FOR THE SAFE USE OF YOUR CO₂ RIFLE

1. Learning the Parts of Your New CO₂ Rifle
2. Operating the Safety
3. Rotary Magazine Indicator
4. Insertion and Removal of the CO₂ Cylinders
5. Loading and Unloading Pellets
6. Cocking Your Air Rifle
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1. Learning the Parts of Your New CO₂ Rifle

Learning the names of the parts of your new air rifle will help you to understand your owner's manual. Use this manual to increase your enjoyment of this air rifle.



2. Operating the Safety

⚠ WARNING: Keep the air rifle in the "ON SAFE" position until you are actually ready to shoot. Then push the safety to the "OFF SAFE" position.

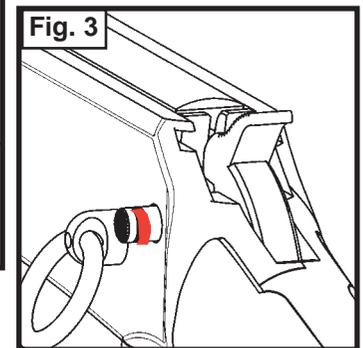
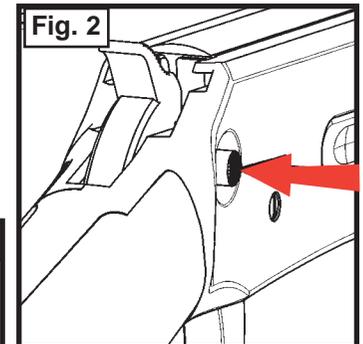
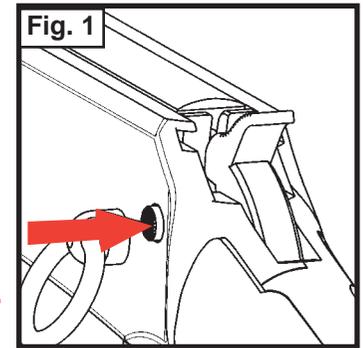
2.1 To Put The Air Rifle "ON SAFE:"

- Locate the safety on the receiver.
- To put the air rifle "On Safe", push the safety from the left side all the way in (Fig. 1). **The safety is not "On Safe" unless it is pushed all the way in and the RED ring around the safety is not showing.** The air rifle will not fire when "On Safe".

Even when the safety is "On Safe", you should continue to handle the air rifle safely. Do not ever point the air rifle at any person. Do not ever point the air rifle at anything you do not intend to shoot.

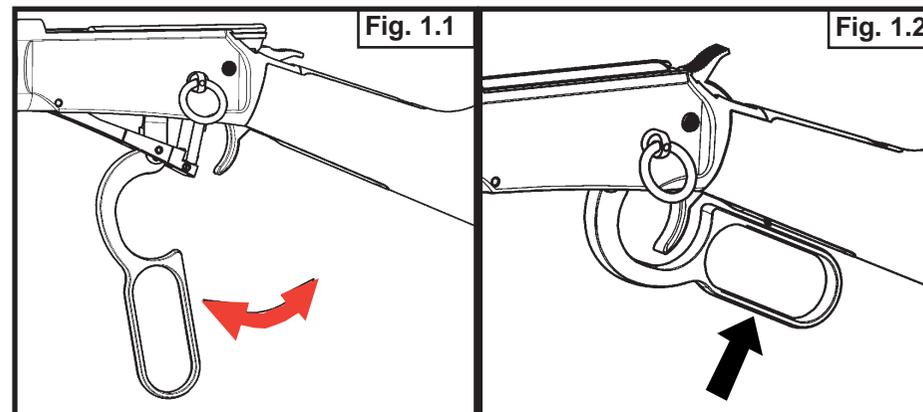
2.2 To Take The Air Rifle "OFF SAFE":

- Push the safety from the right side all the way in (Fig. 2) **When you can see the RED ring around the safety, the air rifle is "Off Safe" and can be fired (Fig. 3).**



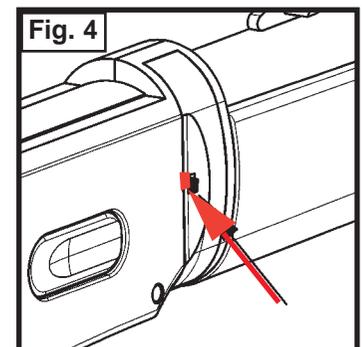
2 B) Trigger safety

The trigger safety impedes the trigger from working when the loading process has not yet been finalized (Fig. 1.1). **WARNING:** When you are ready to fire, push the lever to release the trigger.(Fig. 1.2)



3. Rotary Magazine Indicator

When there is a rotary magazine (either unloaded or loaded with pellets) inserted into the air rifle, the red indicator protrudes from the right side of the receiver and the air rifle should be handled with care. (Fig. 4). When the air rifle does not contain a rotary magazine, the red indicator will be flush with the side of the receiver and will not protrude, but **remember to always treat your air rifle as if it were loaded.**



4. Insertion and Removal of the CO₂ Cylinders

⚠ WARNING: CO₂ cylinders may explode at temperatures above 120° F (48.9° C). Do not mutilate or incinerate them. Do not expose them to heat or store CO₂ cylinders at temperatures above 120°F (48.9°C).

⚠ WARNING: Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin.

4.1 Removing the CO₂ Cylinders

- Make sure the air rifle is "On Safe" (See **Step 2.1**).
- Make sure the air rifle is unloaded (See **Step 5.2**).
- Point the air rifle in a SAFE DIRECTION.
- Open the butt lever (Fig. 5 & 6) and remove the CO₂ gas cylinder system by pulling it out of the butt end of the air rifle (Fig. 7)
- Hold the butt plate firmly and loosen the cylinders by **slowly** turning the top clamp handle counterclockwise, while completely allowing the release of the remaining CO₂ gas (Fig. 8).
- Continue to unscrew the clamp handle and clamp until it is completely removed from the CO₂ system.
- Remove the CO₂ cylinders (Fig. 9).

4.2 Inserting the CO₂ Cylinders

- Make sure the air rifle is "On Safe" (See **Step 2.1**).
- Make sure the air rifle is unloaded (See **Step 5.2**).
- Insert the CO₂ cylinders into the CO₂ cylinder system with the small neck of the cylinders pointing downward toward the bottom of the cylinder system (See **Fig. 9**).
- Turn the clamp handle until it stops turning and then turn it back counterclockwise so that it can be pressed completely down and locked into place (Fig. 10).
- While making sure that the butt lever is fully open, insert the entire CO₂ cylinder system back into the butt end of the air rifle.
- Lock the CO₂ cylinder system into place by closing the butt lever until it locks into the butt plate and the butt plate fits snug in the butt of the air rifle (See **Fig. 5**).
- Never use any tool on the CO₂ cylinder system. Over-tightening can cause injury to you or damage to your air rifle.
- With the air rifle unloaded and the rotary pellet magazine removed (See **Step 5.2**) and pointed in a SAFE DIRECTION, take "Off Safe" (See **Step 2.2**), cock the rifle (See **Step 6**) and pull the trigger to fire. **If your air rifle does not make a popping noise after pulling the trigger, the CO₂ is not being discharged.** In that event you will have to put the air rifle "On Safe" (See **Step 2.1**), remove the CO₂ cylinder system (See **Step 4.1**), and re-insert the CO₂ cylinders as described in **Step 4.2**, point in a SAFE DIRECTION, take "Off Safe" (See **Step 2.2**), cock the rifle (See **Step 6**) and ■ pull the trigger.
- Return safety to the "On Safe" position (See **Step 2.1**).

NOTE: High temperatures may cause damage to the air rifle. The maximum temperature for the storage or use of this air rifle should not exceed 120°F (48.9°C). This temperature can easily be reached when the air rifle is exposed to direct sunlight.

FIRING THE AIR RIFLE WITH LOW GAS PRESSURE MAY CAUSE A PELLET TO GET STUCK IN THE BARREL.

If you would like to conserve on the number of CO₂ cylinders you use, it is also possible use one full and one empty cylinder. However, please keep in mind that the performance of the air rifle will be lower and a smaller number of shots will be fired using only one cylinder. We recommend the use of Umarex CO₂ cylinders. They are made to fit your air rifle. Other brands of CO₂ cylinders may not fit properly. Never try to force any CO₂ cylinder into or out of place as it may result in injury to you or damage to your air rifle. Do not store your air rifle with CO₂ cylinders in it (This is very important to remember, as it will prolong the longevity of your air rifle seals.). Remove the CO₂ cylinders from the air rifle (See **Step 4.1**), reinsert the CO₂ gas cylinder system back into the butt of the air rifle without any cylinders installed and push the butt lever closed until it locks into place (See **Step 4.2**).

Fig. 5

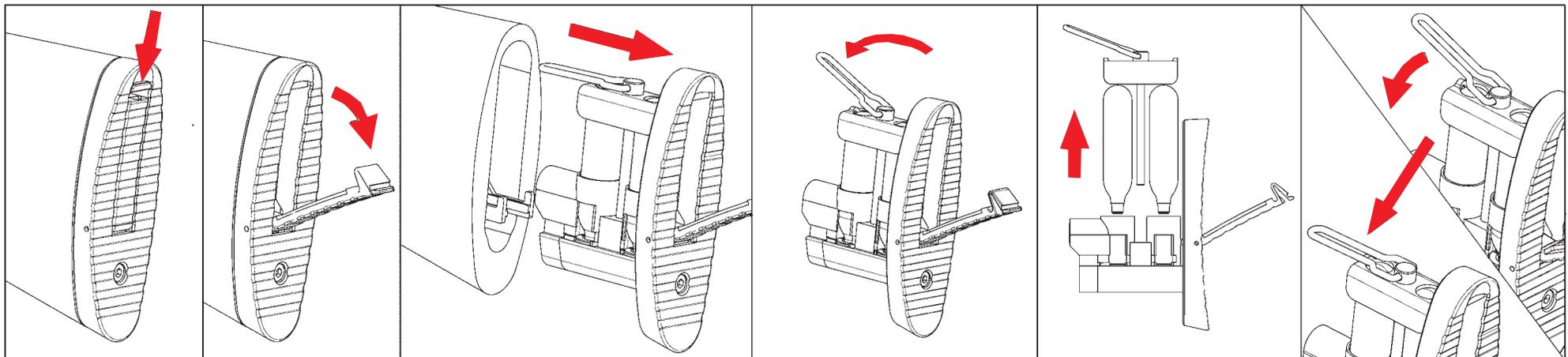
Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10



5. Loading and Unloading Pellets

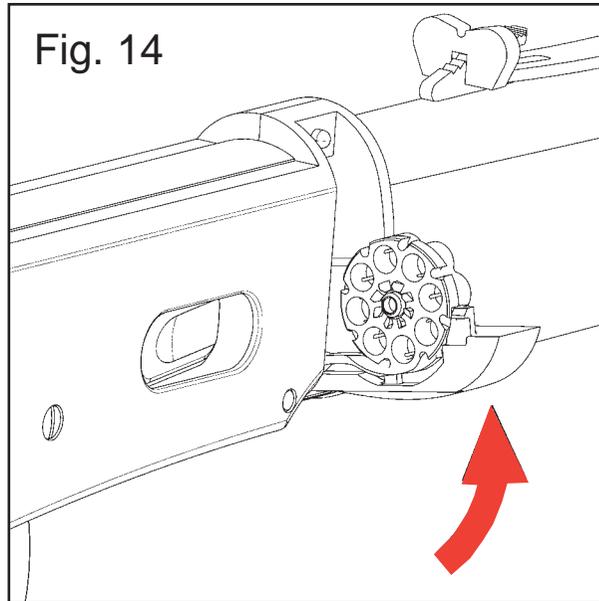
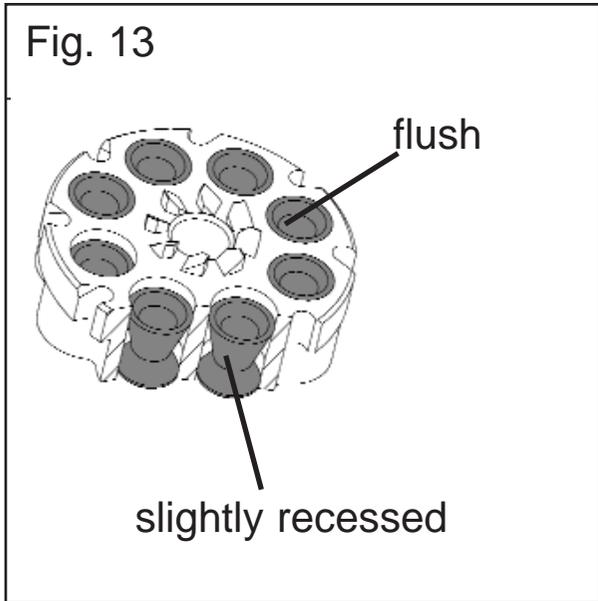
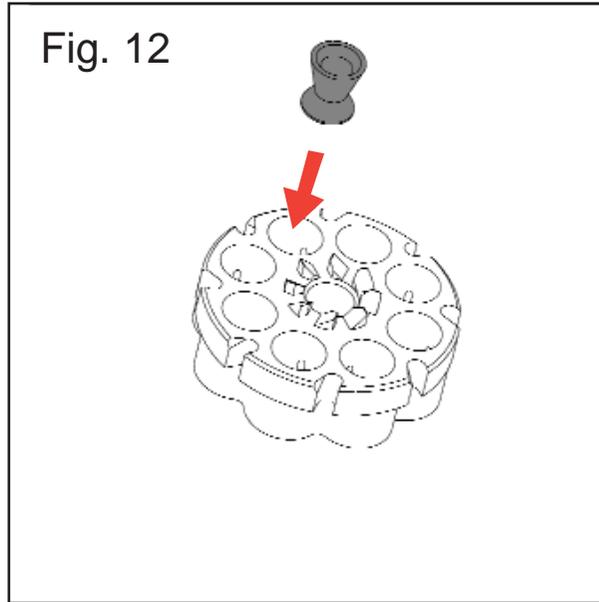
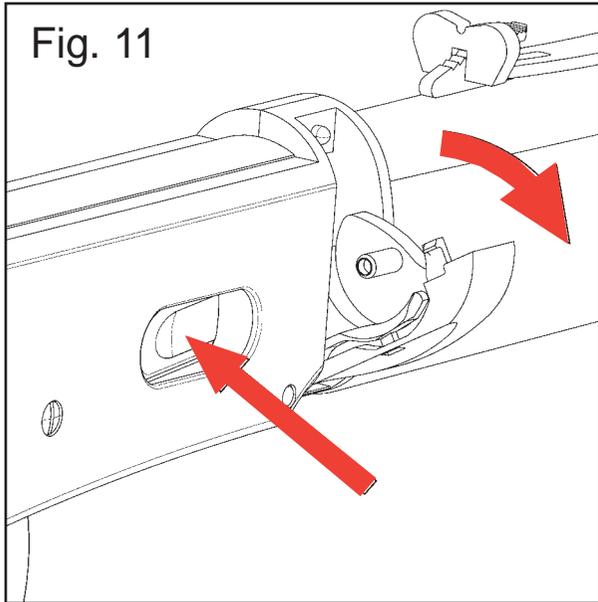
⚠ WARNING: Use .177 (4.5mm) caliber pellets only in the Short and Long Version Lever Action Air Rifles. Never reuse pellets. Use of any other ammunition can cause injury to you or damage to the air rifle.

5.1 Loading Pellets

- Make sure the air rifle is "On Safe" (See **Step 2.1**).
- Point the air rifle in a SAFE DIRECTION.
- Open the magazine holder that is located on the right side of the receiver by pressing the front part of the button until the magazine holder pops open (Fig. 11).
- Remove the rotary magazine and place a .177 caliber (4.5 mm) pellet, nose first, in each chamber of the magazine (Fig. 12). **IMPORTANT:** To avoid jams or deforming the pellets, make sure the pellet skirt is level or slightly below the rim of the pellet chamber. A pellet must never protrude from the rotary magazine (Fig. 13).
- Replace the rotary magazine on the hinged magazine holder (ratchet teeth facing rearward towards the butt end of the rifle) and close the magazine holder by pushing it back into the locked position (Fig. 14).

5.2 Unloading Pellets

- Make sure the air rifle is "On Safe" (See **Step 2.1**).
- Remove the CO₂ gas cylinder system (See **Step 4.1**).
- Open magazine holder by pressing on the loading button (See Fig. 11).
- Remove the rotary magazine. Using a ramrod, gently push each pellet out of the rotary magazine chamber. **IMPORTANT:** Never use sharp metal tools to remove pellets because it could cause damage to your air rifle or possible injury to you.
- To be sure the air rifle is completely unloaded, insert a ramrod of the proper size into the muzzle end of the barrel and carefully push the pellet into and out of the loading.



6. Cocking Your Air Rifle

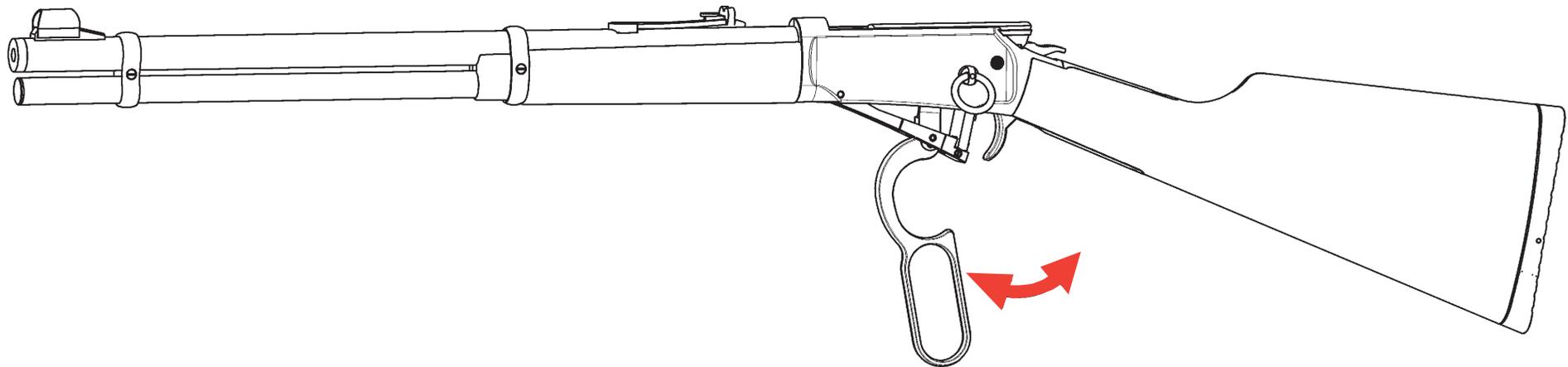
(You will need to cock your air rifle prior to every shot).

- Make sure the air rifle is "On Safe" (See **Step 2.1**).
- Insert loaded rotary magazine (See **Step 5.1**).
- With the muzzle pointed in a SAFE DIRECTION, pull the cocking lever all the way outward and close it by pushing it all the way back (Fig. 15).

After the insertion of an loaded rotary magazine, the action of the rifle has to be cycled, in order to allow the magazine to fully enter its seat in the rifle. NOTE: Do not cock the hammer at this time.

- Your air rifle is now ready to fire.

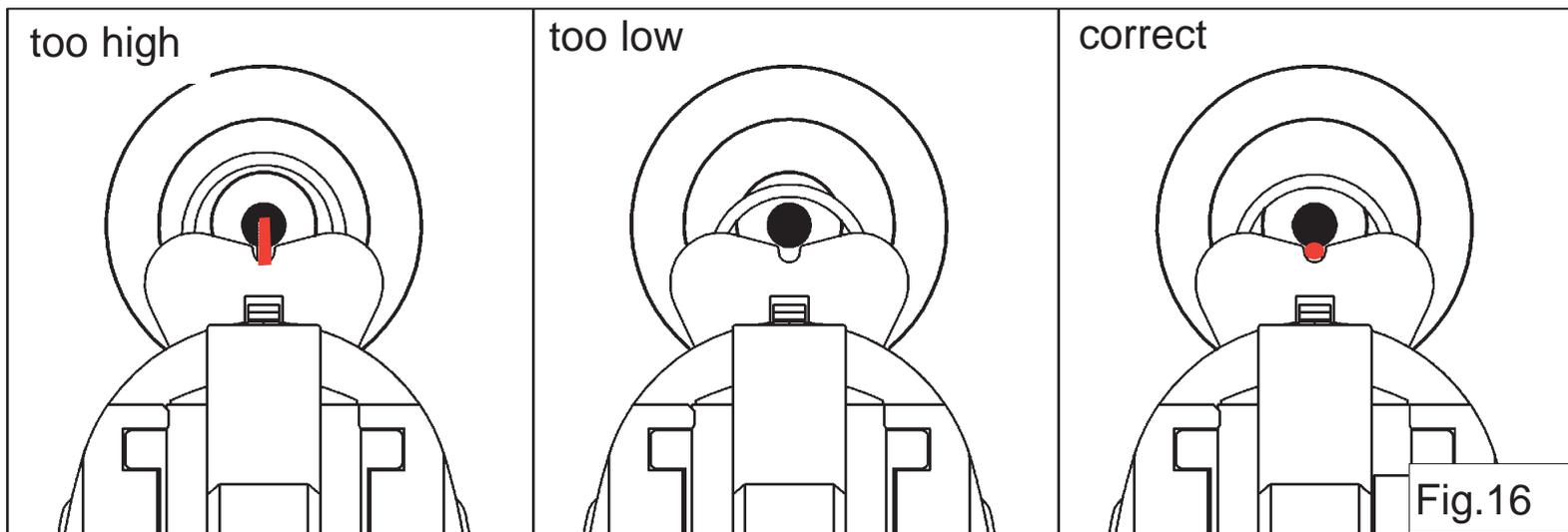
Fig. 15



7. Aiming and Firing Safely

7.1 Aiming and Firing the Air Rifle

- You and others with you should always wear shooting glasses to protect your eyes.
- Always aim your air rifle in a SAFE DIRECTION. When you are sure of your target and backstop, and the area around the target is clear, take the air rifle "Off Safe" (See **Step 2.2**) and squeeze the trigger to fire.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Always choose your target carefully. It is best to shoot at paper bullseye targets, which are attached to a safe back stop. Your backstop should be checked for wear before and after each use. Replace your backstop if the surface is worn or damaged, or if a ricochet occurs.
- Your air rifle is designed for target shooting and is suited for both indoor and outdoor use. Always remember to place your target carefully. THINK about what you will hit if you miss the target.
- The air rifle is correctly aimed when the front sight blade is positioned exactly in the notch of the rear sight. The top of the front sight blade should be even with the top of the notch in the rear sight. The bullseye should appear to rest on the top of the front sight (Fig. 16).



7.2 Sight Adjustment

The rear sight may be adjusted to shoot higher or lower.

Elevation Adjustment: Move the rear sight blade forward to make the pellet hit lower on the target. Move the rear sight blade back to make the pellet hit higher on the target. When moving the elevator, slightly lift the rear sight and reset it on the desired notch in the elevator (Fig. 17).

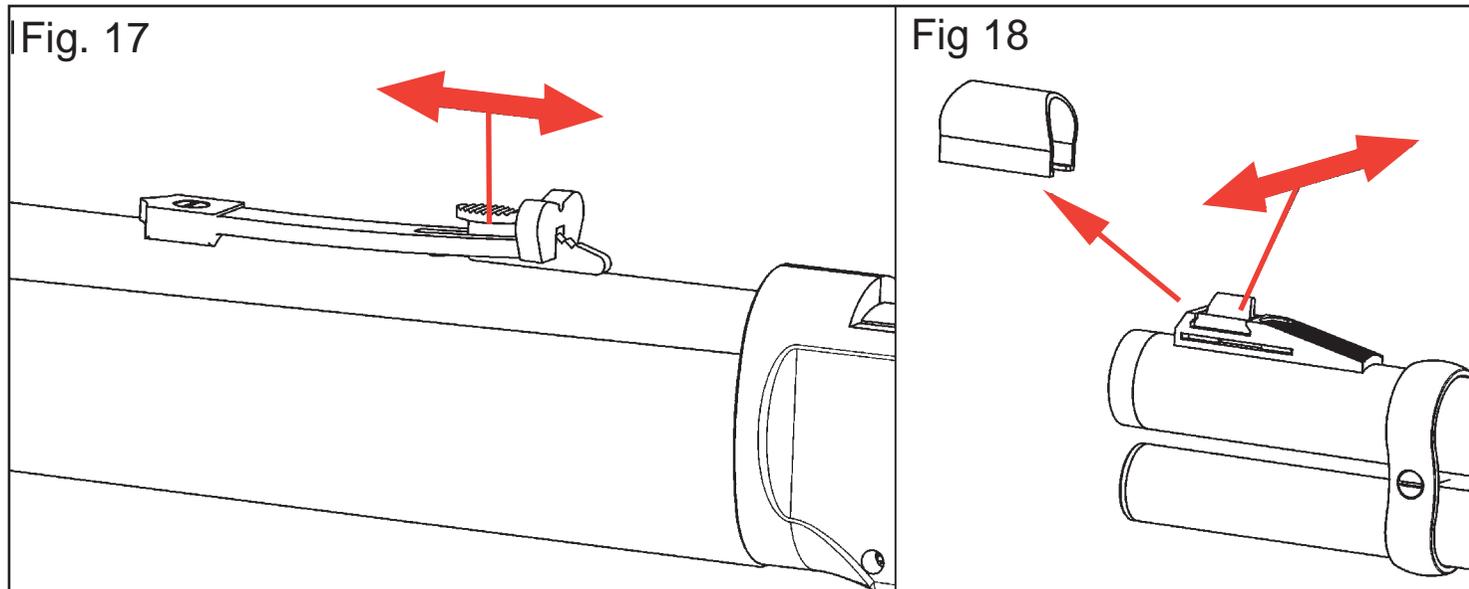
Windage Adjustment: This adjustment is made by shifting the front sight blade. NOTE: The front sight protection hood on the Long Version Lever Action Rifle has to be removed prior to this operation (Fig. 18).

Point of impact too far to the right:

Shift front sight blade to the right

Point of impact too far to the left:

Shift front sight blade to the left



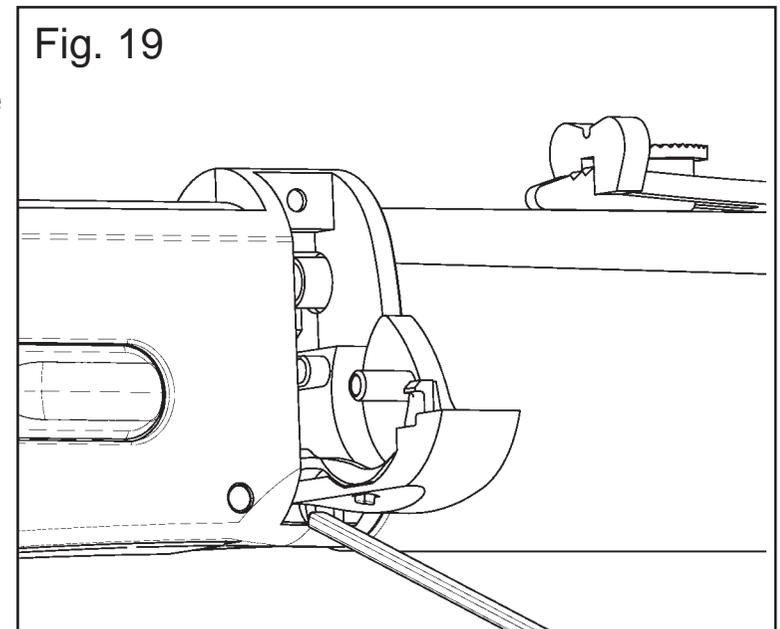
8. Removing a Jammed Pellet

IMPORTANT: The fact that the rifle does not fire a projectile is never a reason to assume that the rotary magazine does not contain any more pellets. Firing the air rifle with too little gas pressure left may cause a pellet to get stuck in the barrel.

- Insert new CO₂ cylinders (See **Step 4.2**) and with an empty magazine (See **Step 5.2**), cock the rifle, point in a SAFE DIRECTION, take "Off Safe" (See **Step 2.2**) and pull the trigger to fire. The pellet stuck in the barrel should now be fired.
- If the pellet is not removed when firing the air rifle with an empty rotary magazine, remove the rotary magazine and CO₂ gas cylinder system (See **Steps 4.1 & 5.2**).
- Insert a ramrod of the proper size into the muzzle end of the barrel and carefully push the jammed pellet into the loading space.
- Once you have pushed the pellet back into the loading space, shake the rifle until the jammed pellet falls out.
- Do not try to reuse that pellet.

IMPORTANT: When removing a jammed pellet from the barrel, or if incorrect operation of the rifle causes a pellet to drop into the loading space, you will not be able to close the hinged magazine holder. In that event, you will have to push the pellet back into the loading space by using a flat tool (Fig. 19).

NOTE: If you are not able to unjam your air rifle by following this procedure take no further action. Umarex USA or an Authorized Service Station will unjam your air rifle (no cost during the warranty period).



9. Care and Maintenance

IMPORTANT: Before you attempt to clean your air rifle, always make sure it is "On Safe" (See **Step 2.1**), the CO₂ cylinder system and rotary magazine are removed and you have checked the barrel to make sure there are no pellets left in it (See **Steps 4.1 & 5.2**).

- Your air rifle will maintain proper function for a long time if you clean it after you have fired approximately 250 shots by using Maintenance Cylinders and Cleaning Pellets. After using approximately 20 CO₂ cylinders, apply a thin layer of airgun oil through the openings of the breech and the hinged magazine holder into the inside of air rifle. DO NOT use a petroleum distillate based oil or solvent and DO NOT over-oil because this can cause damage to your air rifle. The outer surfaces of the metal parts have to be cleaned from time to time. Use a soft cloth, which is slightly dampened with airgun oil.
- Your air rifle will work best if you put a drop of oil directly on the tip of the CO₂ Cartridge before inserting. DO NOT use a petroleum distillate based oil or solvent and DO NOT over -oil as this can cause damage to your air rifle.
- Tampering with the air rifle or attempts to change the air rifle in any way may make it unsafe to use and will void the warranty.
- If you drop your air rifle, check to see that it works properly before you use it again. If anything seems changed, like a shorter or weaker trigger pull, this may mean worn out or broken parts. **Call Customer Service at Umarex USA for assistance before using your air rifle again.**

10. Reviewing Safety

- Do not ever point the air rifle at any person. Do not ever point the air rifle at anything you do not intend to shoot.
- Always treat the air rifle as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the air rifle pointed in a SAFE DIRECTION.
- Always keep the air rifle "On Safe" until you are ready to shoot in a SAFE DIRECTION.
- Always check to see if the air rifle is "On Safe" and unloaded when getting it from another person or from storage.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- You and others with you should always wear shooting glasses to protect your eyes.
- Use .177 caliber pellets only. Never reuse pellets.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Replace the backstop if it becomes worn. Place the backstop in a location that will be safe should the backstop fail.
- Do not attempt to disassemble or tamper with your air rifle. Use an Authorized Service Station or return it to the factory for repair.
- Do not put the air rifle away loaded. Make sure ALL of the pellets are unloaded from the air rifle. (See **Step 5.2**)
- Do not put the air rifle away inserted with CO₂ cylinders (See **Step 4.1**).
- Always store this air rifle in a secure location.

11. Specifications

Mechanism:	Lever action	
Caliber/Ammunition:	.177 cal (4.5 mm) Lead Airgun Pellet	
Magazine:	8 pellets	
Weight:	Short Version:	8.8 lbs. (3.3 kg)
	Long Version:	9 lbs. (3.4 kg)
Overall Length:	Short Version:	34 in. (87.2 cm)
	Long Version:	38 in. (97.2 cm)
Sights:	Front	Adjustable for Windage
	Rear	Adjustable for Elevation
Barrel Length/Material:	Short Version:	15 in. (38 cm) /Rifled steel
	Long Version:	19 in. (48 cm) /Rifled steel
Power source		Two, CO ₂ 12 gram small neck cylinders
Safety:		Cross bolt
Velocity:	Short Version:	Up to 574 fps (175 m/s)
	Long Version:	Up to 633 fps (195 m/s)

PERFORMANCE

Many factors affect velocity, including brand of projectile, type of projectile, amount of CO₂ in cylinders, lubrication, barrel condition and temperature.

REPAIR SERVICE

If your air rifle needs repair, we recommend that you take or send it to an Authorized Service Station or Umarex USA. **For an Authorized Service Station near you, visit our web site at www.umarex-usa.com or call Customer Service at (479) 646 - 4210. (International customers should contact their distributor.)** DO NOT ATTEMPT TO DISASSEMBLE IT! Your air rifle requires special tools and fixtures to repair it. If you take it apart, you probably will not be able to reassemble it correctly. Umarex USA assumes no warranty responsibility under such circumstances.

12. Warranty

LIMITED ONE YEAR WARRANTY

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship and is transferable.

WHAT IS COVERED

Replacement parts and labor. Transportation charges to consumer for repaired product.

WHAT IS NOT COVERED

Transportation charges to Umarex USA for defective product. Damages caused by abuse or failure to perform normal maintenance. (See **Step 9**) Any other expense. CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES, INCLUDING DAMAGE TO PROPERTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

WARRANTY CLAIMS

for U.S. and Canadian Customers:

Please return product to your nearest distributor. If you do not know your distributor, please visit www.umarex-usa.com and click on "warranty and repair service" or call (479) 646 - 4210 and ask for our assistance.

IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF RETAIL PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

To the extent any provision of this warranty is prohibited by federal, state, or municipal law which cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

13. Problems

Problem	POSSIBLE CAUSE	Empty gas cylinder	Dirty barrel	Gas cylinder not pierced	Extreme temperatures	Wrong ammunition	Pellets loaded upside down	Pellet stuck in the loading space (See Step 8)	Sights not properly adjusted
Inferior accuracy	●	●		●	●	●		●	
Air rifle does not fire	●		●	●		●			
Low velocity	●	●		●	●	●			
Rotary magazine holder cannot be closed					●		●		



Distributed by

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