

**USER'S GUIDE FOR:
LYMAN'S
IDEAL MODEL
SHARPS RIFLE**



**ATTENTION:
BEFORE REMOVING THE FIREARM FROM ITS
PACKAGE MAKE SURE YOU READ & FULLY
UNDERSTAND THE WARNINGS, INSTRUCTIONS
AND PRECAUTIONS IN THIS OWNER'S MANUAL**

A Historical Note on the Sharps Model

Since 1849, year in which Christian Sharps patented his first rifle, till 1882, year in which the Company ceased its activity, the Sharps rifle had a fundamental role in American History. The Sharps percussion models were used in the revolutionary riots prior to the Civil War. A well known episode is called “The Bloody Kansas”, when Sharps rifles hidden in Bible cases were sent in Kansas to be used in the first national revolts.

Sharps percussion Infantry and Cavalry models were then used by Yankee battalions during the whole war period. Above all we remember the Hiram Berdan regiment: it is thanks to his men that the term “Sharpshooters” was coined, as they were the best Yankee marksmen during the conflict. The Sharps was undoubtedly one of the most popular rifles in those years, the most used both by ordinary soldiers and by officials.

After the Civil War many percussion Sharps rifles were converted into breech loading rifles with metal cartridges. The post-war years were golden years for the Sharps Company; production increased strongly, and at the same time the activity of converting percussion rifles into rifles with classic loading grew. The most famous Sharps among all the models that the company produced was certainly the “Sporting 1874 model, also called the “Old Reliable Buffalo Rifle”.

Many famous names in the America of that period are bound to the name of Sharps. Men like Billy Dixon, “Buffalo Bill” Cody, “Bat” Matterson and many others used the “great single shot rifle” in hunting bisons, at the time when this animal was still roaming with immense herds on American plains.

The large variety of calibers – from an easy cal. 40 to a more massive cal. 50 – also contributed to Sharps’ being the most important and most popular rifle during those years. The Sharps rifles were famous for their feature of being able to shoot their big black powder bullets huge distances with extreme accuracy.

For several years Chiappa Firearms Italy has been producing a faithful replica of all parts of this rifle. In particular, metallic parts are machined from solid steel blocks (instead of being casted), and this allows an exceptional working reliability and a perfect interchangeability; a feature which is really difficult to find in artisan crafted firearms.

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WARNINGS

1. Read the instructions carefully before use.
2. Be aware that you are handling a firearm; therefore your knowledge and actions may affect your life and those of the people close to you.
3. Reading the manual and a careful examination of the gun are fundamental to avoid any malfunctions, damage or injury.
4. Guns and ammunitions must be securely stored in different places
5. **ALWAYS** keep guns and ammunition out of reach of children.
6. Store the gun in a clean, dry place after use to avoid rust in mechanical parts that may cause serious problems in functioning after a period of inactivity.
7. After use it is always recommended the rifle be cleaned and lubricated with good quality gun oil.
8. The gun must **NEVER** be stored loaded, **ALWAYS** check that the chamber is empty.
9. This firearm is a faithful replica of an original design, there is no modern safety. Pay careful attention during transportation and use. Mechanical safety devices can fail. Developing intelligent safety habits is the best way to prevent accidents.
10. The only safety is the hammer's half cock, read chapter on firearms use. **REMEMBER:** No mechanical safety device is infallible.
11. **NEVER** keep the gun loaded when transporting it from home to the shooting areas. Carefully check that cartridge chamber is empty.
12. Keep away from open flame or heat sources.
13. Use only **SAAMI** specific loads in this firearm.
14. When you move with the rifle, **ALWAYS** keep the muzzle pointed in a safe direction.
15. Never rest your finger on the trigger until the very moment you wish to shoot.
16. Never lean the weapon loaded and with a closed breech block, it could fall, discharge and cause injury and death.
17. Never shoot against a solid surface or at a pool of water, the projectiles could ricochet in any direction.
18. Before shooting **ALWAYS** check to ensure that the barrel is free of obstructions.

19. After use, clean and lubricate the inside of the barrel with appropriate oil. Avoid grease or oil build up that can cause excessive pressure and result in serious personal injuries. Before using the gun again, inspect the barrel and chamber to make certain that there are no obstructions in the bore. Remove any oil residue with rod and dry patch before shooting.
20. Accumulation of rust in the barrel can cause excessive pressures resulting in serious injury and may cause the explosion of the barrel. A rusted, pitted or eroded barrel should be replaced.
21. Always wear shooting glasses when shooting to protect your eyes.
22. Use hearing protection to prevent hearing loss from repeated exposure to gunfire.
23. NEVER modify any parts of your gun. Any alteration may cause serious personal injury and voids the warranty.
24. Only a qualified gunsmith may service the gun for repair or serious maintenance.
25. Wash hands thoroughly after shooting and handling firearms to remove any unwanted residues.
26. Use exclusively factory loaded ammunition of the caliber specified on the firearm barrel. Use of different calibers may cause serious personal injuries to you and to people close to you.
27. In case of misfire, wait a full minute with the barrel pointed in a safe direction, then manually extract the cartridge from the chamber.
28. Do not attempt to re-use misfired ammunition.
29. Lyman Products Corp. declines any responsibility for misuse of the firearm.
30. In case of alteration of the firearm, Lyman Products Corp declines any civil and penal responsibility and will not refund any damage.
31. The user is responsible for injuries or damages caused to him or to other persons.
32. Do not use alcohol or drugs before or during shooting session and while handling guns.
33. NEVER run with a loaded gun, don't cross any obstacle (fences or water courses, etc.) with a loaded firearm.
34. Keep all bystanders behind you, standing beside a shooter is not a safe position.
35. Complete knowledge of your firearm's function can make the difference.

Instructions For Use

PRECAUTIONS:

- Before handling the firearm, be sure it's unloaded and pointed in a safe direction.
- Before shooting, ALWAYS check to ensure that the barrel is free of obstructions .
- Remove any oil or grease residue with rod and dry patches changing them till they come out perfectly clean and dry.
- Use eye and hearing protection to prevent potential sight of hearing loss.
- In case of misfire, keep the gun on the shooting line for a few minutes, it could be a delayed shot.
- NEVER dry fire the gun, you may damage the shooting mechanism
- Double trigger adjustment: Be sure the gun is unloaded and put the hammer in half cock position. Pull the rear trigger until it clicks into place, then pointing the gun in a safe direction pull the front trigger to test the trigger pull. In case the pull is too hard, screw in the “regulating screw” by 1/6 of turn and try again. Repeat the operation till the trigger pull is correct for your sensitivity. **THE TRIGGER PULL MUST NEVER BE TOO LIGHT**

LOADING THE IDEAL MODEL:

The Lyman Ideal Model is an adaptation of a rifle design that was designed for use with black powder. Modern cartridges with smokeless powders may be employed only if they meet standard SAAMI pressure limits.

LOADING INSTRUCTION:

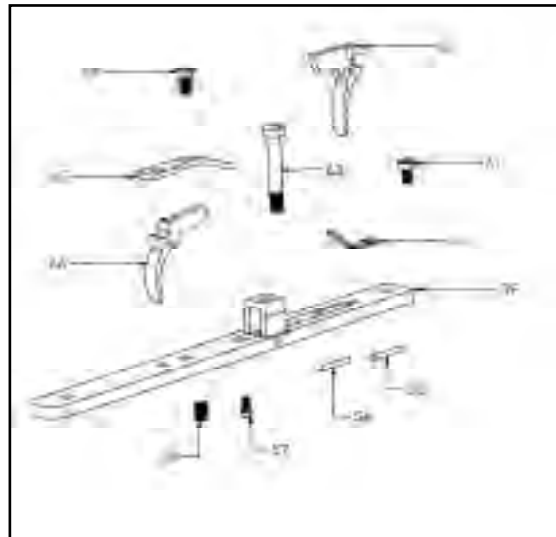
- Before loading check the barrel for possible obstructions.
- Clean the barrel with a cotton patch to remove any oil or grease residues.
- Aim the gun in a safe direction.
- Place the hammer in half cock (safety position) and open the lever; if hammer is fully down, the firing pin can protrude out of the block and moving the lever and consequently the block, could easily brake or bend it; furthermore if hammer is in full cock, once cartridge is inserted in the chamber and the block closed, you would risk accidentally shooting the freshly chambered round.
- Insert cartridge of the proper caliber.
- The cartridge must slide easily inside the chamber.
- **DO NOT FORCE THE CARTRIDGE DURING CHAMBERING.**
- **DO NOT LOAD DIFFERENT CALIBER AMMUNITION THAN WHAT IS MARKED ON THE BARREL.**



- If cartridge doesn't enter the chamber easily, remove it and check that the cartridge chamber is not obstructed or damaged.
- Check that the cartridge is of correct caliber and dimension.
- Do not use ammunition with a protruding primer, as this could cause the rifle to accidentally discharge when closing the breech block.
- With cartridge chambered and the gun aiming in a safe direction, close the breech block.
- Now aim at your target and fully cock the hammer and shoot.

Note Regarding Reloaded Cartridges: Remember that the Ideal Model rifle has been designed and manufactured for use with cartridges that generate black powder levels of pressure. As far as the loading is concerned, we suggest the use of a reloading manual from a reliable source like one of Lyman's Handbooks.

Double Set Trigger:



**WARNING:
Trigger pull
must never be
too light.**

The Lyman Ideal Model is supplied with a double set trigger, which works as explained below.

- Front trigger (62): it's the firing trigger, it can fire both in double set mode or in normal (unset) mode.
- Rear trigger (66): it is under spring tension (65).
- Pulling the rear trigger until it clicks in place sets the spring-loaded trigger system and lightens the front trigger weight (65-60).
- Pulling the front trigger releases the tension on the rear trigger: the rear trigger springs upward and releases the lock's sear to fire.

DOUBLE SET TRIGGER OPERATION AND ADJUSTMENT:

- If you pull the front trigger after you have set the rear trigger and the hammer is not released, you must adjust the rear trigger spring screw (58); the power of the spring may not be enough to release the sear and drop the hammer. Unscrewing this screw slightly will increase the power of the rear trigger spring. Unscrew it till the power is just enough to release the hammer.
- It is normal that after some time the spring becomes a little weaker. In such case just turn the screw counter-clockwise by a quarter of turn (58)
- To obtain a lighter, more sensitive trigger release, it's necessary to adjust the front trigger screw (57); by turning the screw counter-clockwise the trigger pull becomes more sensitive (reaching a point when the rear trigger cannot catch the front trigger), turning the screw clockwise you will obtain an harder trigger pull.
- To adjust the double set trigger follow the instructions below
- Unscrew front trigger screw completely (57)
- Pull rear trigger (66)
- Slowly screw in the front trigger screw (57) till the front trigger is released
- Now turn the screw clockwise for another complete turn
- Now a light pressure on front trigger is enough to release the shot.
- The rifle can shoot even without the double set trigger: once the gun is loaded, just pull the front trigger. The trigger pull in this case will be considerably higher compared to the trigger pull using double set trigger system.
- **WARNING:** all adjustments of double set trigger **MUST BE DONE** with the gun unloaded. **NEVER** load the gun with double set trigger armed and cocked hammer.

EXTRACTION:

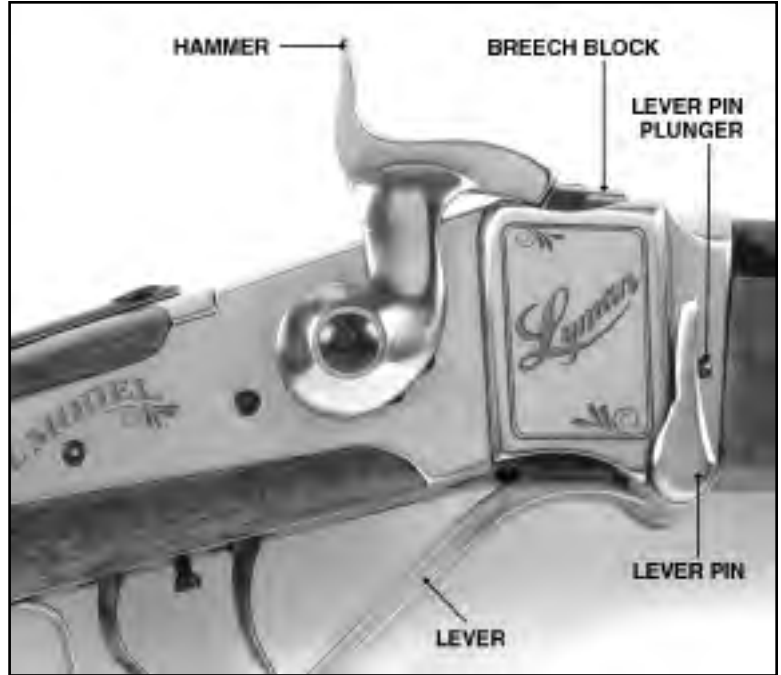
- Immediately after firing, place the hammer in half cock and open the breech block.
- When the block is falling, the extractor placed on the block will rotate and extract the shell from cartridge chamber.
- Should the extraction not be fully accomplished, especially by longer shells, it is necessary to complete the operation manually.
- Attention: if cartridge chamber or receiver are not clean enough, the extractor could become stuck once the shell is extracted (block down, lever open). This will not allow the lever to move and breech block to lift. In this case, move the extractor manually to disengage it. Remember to clean the gun carefully.



Ordinary Cleaning:

FOLLOW THE STEPS LISTED BELOW:

- Place the hammer in half-cock position, so that the firing pin is not protruding out of the breech block, eliminating the risk of damage to it or the breechblock.
- Open the lever and place it in a position where the lever spring is not working
- Push in the lever pin plunger and turn the lever pin clockwise until its retaining lip is clear of the notch in the receiver. It should now slide out of the receiver.
- If lever pin is too hard to extract, remove the forend screws and forend and unscrew the lever spring screw, in this way it should be easier to remove the lever pin.
- Now the entire breech block assembly will be free to slide out of the bottom of receiver.
- Clean the inside of the receiver, barrel and block with a quality solvent like “Butch’s Bore Shine” or Butch’s Black Powder Bore Shine”.
- Lightly oil all parts with a quality lubricant like “Butch’s Gun Oil” and reassemble.
- When you reassemble the parts, place the extractor into its seat in the block, place the rifle with muzzle up and slide the block into the receiver.
- Simultaneously move block and extractor until you will see that the receiver pin hole and the hole in the lever are aligned.
- Lock the parts in place with the lever pin. Push the pin all the way in and rotate the lever counter-clockwise until it is secured by the Lever Pin Plunger.
- When shooting with black powder the barrel should be cleaned frequently to maintain good accuracy and easy loading.
- Often black powder residues are left at the beginning of the cartridge chamber; clean with a slightly wet brush.
- Occasionally you can proceed with deeper cleaning, for example disassembling the firing pin, or lock and trigger plate. Such steps are not as easily done and you must pay great attention to avoid damaging the gun.



Extraordinary Maintenance

- Before any kind of maintenance, verify that the gun is unloaded.
- Ordinary maintenance means all the steps the owner should follow to keep the gun in good service before and after shooting as described above.
- Extraordinary maintenance implies the change of broken or worn parts and disassembling the gun. In this case only authorized personnel may service the gun for maintenance or repair.
- After a long period of improper storage, extraordinary maintenance may have to be considered. This is why it is mandatory, after use, to clean properly the inside of the barrel and to oil it with a specific quality gun cleaner and lubricant like Butch's Bore Shine and Butch's Gun Oil.
- Avoid excessive residual oil.
- Check that the mechanism of the weapon is smooth; in case you notice the operation of the rifle is getting hard, or some essential parts start to rust, you should bring your rifle to competent gunsmith.
- Don't use pure silicone or lanolin.
- Should it be necessary to replace any worn or damaged parts, you will find below an exploded view with a list of the part number for all components.
- If you need to order any parts, it is necessary to indicate the purchase date, the serial number, the exact model and the caliber of your gun and the item number of the part you need.
- If you have any doubt about a problem with your rifle, **DON'T USE IT**, have it inspected by an authorized dealer or gunsmith.
- Improper use or actions may cause serious injury and/or death to yourself and/or any bystanders during the firearm's use. Always use your rifle with care and respect to avoid any incident or event that may change your life and that of others.

FRONT & REAR SIGHT ADJUSTMENT:

FRONT AND REAR SIGHTS

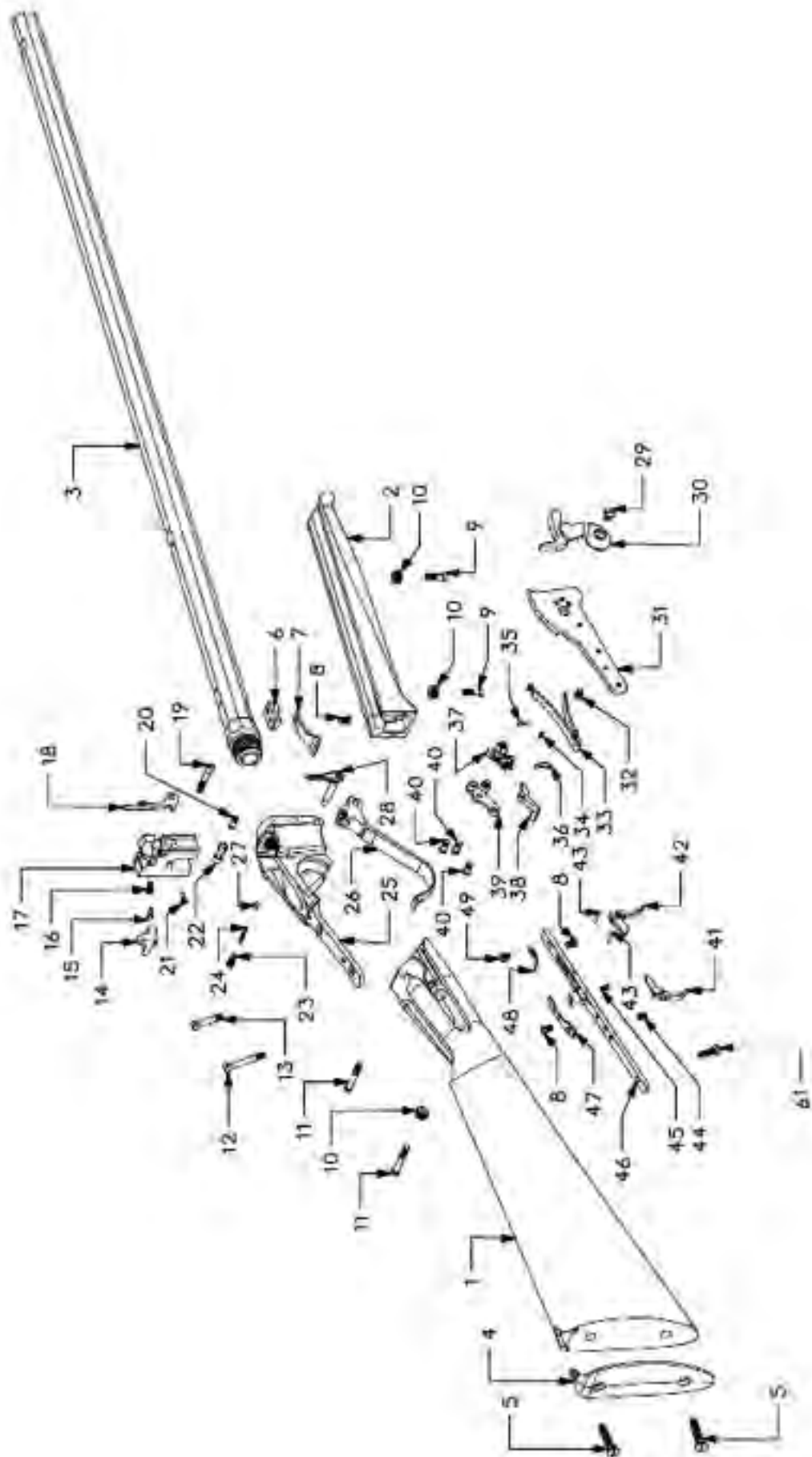
The Lyman Ideal Sharps Rifle is supplied with a Lyman #2 Tang Rear Sight and a Lyman #17A Front Globe Sight. The tang sight is adjustable for elevation and the front sight can be drifted for windage. The globe front sight comes with a set of interchangeable sight disks so the user can select a disk for the best sight picture for the range and target that is being fired at. This sight package would be suitable for ranges from 50 to 200 yards. Please see the instructions included with the Tang Sight for further information on adjustments and use.

INSTRUCTIONS TO INSTALL #2 TANG SIGHT ON LYMAN IDEAL MODEL SHARPS RIFLE

The Lyman Ideal Model Sharps Rifle has been drilled and tapped for mounting the #2 tang sight. To install the sight, simply line up the tang sight base with the two drilled and tapped mounting holes on the tang of the rifle. Insert the two supplied mounting screws through the tang sight base and thread them into the mounting holes. Tighten them securely. For further information on adjusting the sight, please see the instruction booklet packed with the sight.



Code	Ref.	DESCRIPTION	Qty	Code	Ref.	DESCRIPTION	Qty
O98.256		Stock Assembly	1	770.384	35	Fly	1
780.075	1	Stock	1	730.712	29	Hammer Screw	1
790.199	4	Butt Plate	2	730.711	32	Main spring retainer screw	1
730.209	5	Butt Plate Screw	1	721.124	33	Main spring	1
730.694	10	Butt Plate Screw Washer	1	770382	38	Sear	1
710.211	3	Barrel 26" 38/55W	1	O98.007		Double Set Trigger Assembly	1
710.212	3	Barrel 26" 22Hornet	1	730.695	8	Front guard screw	1
O98.259		Receiver Assembly		770.390	46	Double set trigger guard plate	1
770.368	25	Receiver	1	730.703	44	Rear trigger regulating screw	1
730.700	27	Lever pin plunger	1	730.233	45	Regulating screw	2
720.004	24	Lever pin plunger spring	1	130.062	43	Trigger pin	1
730.699	23	Lever pin plunger screw	1	770.379	42	Front trigger	1
O98.260		Breech Block Assembly (Center Fire)	1	790.378	41	Rear trigger	1
O98.277		Breech Block Assembly (Rimfire)	1	721.127	48	Front trigger spring	1
770.375	26	Lever	1	730.704	49	Front trigger spring screw	1
770.374	22	Link	1	721.123	47	Trigger Spring	2
730.698	19	Link to breech block screw	1	730.708	11	Side plate screw	1
770.370	17	Breech Block (Center Fire)	1	730.706	12	Rear tang screw	1
770.411	17	Breech Block (Rimfire)	1	770.392	28	Receiver lever pin	1
770.371	14	Firing pin pusher	1	730.705	13	Front tang screw	1
730.696	15	Firing Pin (Center Fire)	1	721.122	7	Lever spring	2
730.748	15	Firing Pin (Rimfire)	1	730695	8	Front guard screw	1
720.007	16	Firing Pin Spring	1	770.373	18	Extractor 38-55W	1
730.697	21	Breech Block Plate	1	770.409	18	Extractor 22Hornet	1
730.702	20	Link to lever screw	1	730.078	61	Guard Stock Screw	1
730.770	63	Breech Block Plate Screw	1	770.369	6	Barrel Lug	4
O98.261		Lock Plate Assembly	1	730.749	62	Scope Base Plug Screw	1
770.383	31	Lock Plate	1	3990827		Tang Sight Assembly	1
790.200	30	Hammer	1	730.715	57	Base Screw	1
770.381	37	Tumbler	1	O98.265		Forend Assembly	1
770.385	36	Stirrup	1	780.076	2	Forend (Standard)	2
730.710	34	Stirrup Screw	1	730.694	10	Forend Screw Washer	2
770.380	39	Bridle	3	730.693	9	Forend Screw	1
730.709	40	Bridle Screw	1	3990483		Front sight Assembly	1



Limited Warranty

Your Lyman “Ideal Model” Sharps Rifle has been produced especially for Lyman by Chiappa Firearms, Ltd., Italy, under rigid standards of manufacture and inspection. However, if it is found to be defective in material or workmanship within one year of delivery to the first retail purchaser, we will repair or replace it without charge.

If you require service under this warranty, please return the complete rifle along with a letter of explanation, including your complete name and address, freight prepaid to Chiappa Firearms at the address listed below. Your rifle will be repaired or replaced and returned to you within 30 days of our receipt. In making any return of a Lyman product to the factory, please be sure it is packaged with proper care to protect it from damage in transit.

We are sorry, but our warranty cannot apply to a defect which results from misuse, abuse, neglect, accident or improper care, or if your rifle has been altered or repaired by anyone other than factory personnel.

If the item is out of warranty and is in need of repairs, the rifle should also be returned to Chiappa Firearms at the address listed below. Appropriate charges will apply for parts and labor. Estimates are available only when the item has been thoroughly inspected by our repair personnel.

Chiappa Firearms, Ltd.

6785 W. Third St.

Dayton, Oh. 45427

Ph. 937.835.5000

www.chiappafirearms.com

email: info@chiappafirearms.com

THE WARRANTY IS VOID IN CASE:

- Improper ammunition has been used (any ammunition other than those commonly on sale, reloaded ammunition which exceeds black powder specifications and pressure, ammunition which differs from the caliber and specification indicated on the gun barrel)
- The gun was not properly maintained and cleaned
- The gun has been modified without our prior consent
- Unauthorized, inadequate or incorrect repairs have been carried out
- Parts subject to normal wear and corrosion
- Damage due to improper use of the gun by the user
- Owner is not the original purchaser

In the above cases the repair, if carried out, will be charged to the customer.

ATTENTION: Delivery expenses to and from the service center are not covered by the warranty and will be charged to the customer.

In case, for any valid reason, you can not have the repair under warranty performed at the shop where you bought the gun, you may contact us directly; we will indicate a local dealer to support you with the repair file:

e-mail: custsvc@cshore.com

Phone: 860-632-2020

Toll Free: 1-800-22LYMAN (225-9626)

PROCEDURE FOR FILING A WARRANTY CLAIM:

BEFORE shipping the weapon back for repair, the customer should contact the gun retailer where the product was bought. The customer should supply proper information on the defect, and the relevant file will then be started.

The gun shop will be given an Repair Order number (RO). The weapon will have to be shipped back to the gun shop in its original packing, with a copy of the purchase date, the Warranty Form (attached) duly filed with indication of the RO number, according to the instructions of the dealer.

WARNING: the returned gun must be protected with an adequate packaging; any damage during transportation and handling will be the customer's responsibility

Request form

REPAIR UNDER WARRANTY

Please write the Repair Number you were given by the gun retailer in the above box

1. Customer data:

Name:

Address:

City, State, Zip:

Phone:

Fax:

2. Product information:

Model:

Serial number:

3. Gun Retailer/Dealer:

Purchase date:

Dealer name:

Dealer address:

4. Description of defect:

Documents to enclose: Proof of the purchase date

Lyman[®]

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475 Smith Street
Middletown, CT 06457

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