

6-8-10 POWER

*Lyman* JUNIOR TARGETSPOT SCOPE

# The Ideal Two Purpose Scope

## LYMAN JUNIOR TARGETSPOT

### TARGET SHOOTING AND SMALL GAME HUNTING

#### Outstanding Desirable Features

1. *Suitable for target or game.*
2. *Large field of view—14 feet at 100 yards for 8X, 16 feet for 6X and 12 feet for 10X.*
3. *Parallax easily removed. 6X can be set to mean ordinary range.*
4. *8X ideal indoor 4-position scope of unusual brilliance.*
5. *Objective lens with 19 mm. ( $\frac{3}{4}$ " ) diameter free aperture is non-rotating.*
6. *3 - point suspension front and rear mounts. Rear mount adjustable by  $\frac{1}{4}$  minute clicks.*
7. *Clamping device on both front and rear mounts have circular beveled collar hardened for positive clamping action.*
8. *Finest quality hard coated lenses now supplied in these scopes.*

#### Ease of Adjustment

The exclusive feature of a graduated sleeve adjustment on the non-rotating lens greatly simplifies focusing and parallax elimination. In a telescopic sight, parallax is nothing more than the scope being out of focus for the range desired. When the sleeve is adjusted to the graduated markings for different ranges, the scope is in perfect focus and parallax is removed. The markings on the front extension are for 50 ft., 25, 100 and 200 yds. Details of adjusting are found in paragraph "Objective Lens Focusing".

#### Lenses

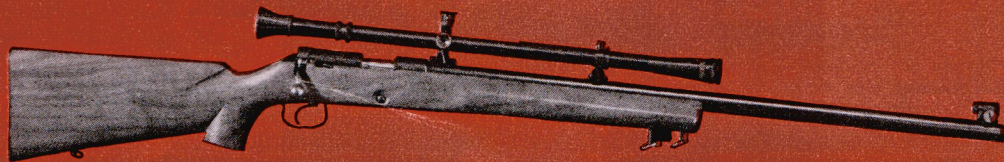
Junior Targetspot Scopes offer an unusually large field for their respective power. The 6X has a field of view of 16 ft. at 100 yds., 8X has 14 ft. at 100 yds., 10X has 12 ft. at 100 yds.

The objective with its 19 mm. free aperture affords an unusually brilliant field which is decidedly flat and colorless. Each scope is designed with a 2 in. eye relief and a suitable stop is located on the tube for placement at the correct distance for proper eye relief.

Both objective and ocular lenses are protected with metal end caps. A rubber eye shade for ocular lens is also furnished.

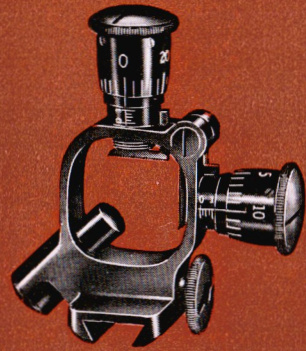
The length of the scope is approx.  $21\frac{1}{2}$ " and weight 22 oz.

**A REMARKABLY  
FINE SCOPE  
for  
TARGET SHOOTING  
and HUNTING**



# Quality and Performance Unequaled

## LYMAN JUNIOR TARGETSPOT 6X-8X-10X



The Lyman 3-point Suspension Mount provides definite click adjustments for windage and elevation.

### 3-Point Rear Mount

The Lyman 3-point suspension  $\frac{1}{4}$  minute click rear mount provides markings on the wind-gauge and elevation bosses that read the same as a micrometer. One click of the adjusting knob changes the center of group where bases are 7.2 in. apart,  $\frac{1}{4}$  minute ( $\frac{1}{4}$  in.) at 100 yards.

Both front and rear mounts are the 3-point suspension type. The rear mount has Straight Edge bearings which insure correct horizontal and elevation adjustments for each movement of the windage and elevation knobs. This Straight Edge feature is new in the Lyman 3-point rear mount furnished with all Super-Targetspot Scopes.

### 3-Point Front Mount

The weight of the scope in the front mount is supported on two definite bearing points against which the scope is held by the top spring and plunger, an improved design found superior to bottom spring support. The rib that prevents turning is now placed on top of the scope.

### Special Bases

The 3-point micro-click rear mount furnished with Lyman Junior-Targetspots 6X, 8X, 10X



HAS HARD COATED LENSES

require bases provided with a circular beveled mill cut. Many scope bases now being used have this circular beveled mill cut. Bases for these scopes are standard equipment with many target rifles and may be purchased separately for guns not so equipped. Hardened bases play an important part in the satisfactory results to be obtained from a scope and many purchasers of new scopes insist on Lyman bases that are hardened. Use only bases of standard dimensions.

### Extra and Super Fine Reticules

The standard extra fine cross wire as furnished is .0007". For shooters who prefer a super-fine wire, we will supply the .0005" cross wire reticule in new scopes at no extra cost. For those who desire larger crosswires the scopes can be furnished with wires .001" diameter. Reticules may be changed by unscrewing and removing the rear lens extension but caution must be exercised as the end of the reticule holder extends beyond the tube into the rear lens extension. Using a fine watch screw driver, the two screws holding the reticule can be removed and the new reticule installed.

STYLE OF RETICULE



SINGLE CROSS WIRE

To set the reticule so that the cross wires will be perpendicular and horizontal, loosen the two small set screws located on opposite sides of the reticule adjusting ring which is the first knurled ring back of the rear mount. This will allow the ring to be freely rotated and reticule correctly placed. After adjustment has been reached, retighten set screws and recheck setting.

### Adjusting the Scopes

Focusing a scope sight is to be compared with the same operation in any other optical instrument. The tables on the last page for proper setting of front adjusting sleeve are approximate and the shooter can readily make necessary corrections for individual eyesight.

### Ocular Lens Focusing

With the telescope pointed skyward, adjust the rear or eye lens until the cross wires appear and stay black, making sure after several minutes of trial that the wires continue to stay black and that the eye is not accommodating itself to an incorrect setting. When this adjustment is once made and locked with nut, it should not be changed unless the eye itself changes materially. The permanent ocular setting is an exclusive Lyman feature in these scopes.



Graduated adjusting sleeve may be quickly set for ranges marked on front extension.

### Objective Lens Focusing

To focus the Lyman Junior Targetspot Scopes for definite distance,

**First,** Refer to the table of Proper Settings of Front Adjusting Sleeve.

**Second,** Loosen front lens adjusting sleeve cap.

**Third,** Turn graduated sleeve to desired range.

**Fourth,** Lock the front lens adjusting sleeve. Unless the adjusting sleeve cap has been locked no adjustment has been made.

If the shooter finds that the scope is still out of focus, this is due to individual eyesight and may be corrected by moving the Front Adjusting Sleeve forward or backward slightly.

**Rubber Eye Cups** are furnished as standard equipment. Also Metal End Caps to protect ocular and objective lenses.



## Proper Settings, Front Adjusting Sleeve for Various Ranges

This table shows the proper settings of the front adjusting sleeve for various ranges marked on the front extension of Lyman Junior Targetspot Scopes. Turns indicated are from a 0 setting.

Complete Turn—Division

50 feet .....	—3
25 yards.....	0
50 yards.....	+3
100 yards.....	+4 and 10 div.
200 yards.....	+5

From two hundred yards and beyond, focus of objective lens is universal and requires no change in adjustment.

The adjustment of the objective lens need not be disturbed on the 6X and 8X Scopes for any range over 50 yds. in game shooting. When adjusted for a mean ordinary range the slight aberration

due to change to shorter or longer range is negligible except for fine target shooting.

## Windage and Elevation Values for Scope Mounts

Range	7.2 (7 $\frac{3}{16}$ " )	6" Between
	Between Mounts	Mounts
	Ea. Click	Ea. Click
50 Feet ....	.039	.05
25 Yards ...	.062	.075
50 " ...	.125	.15
100 " ...	.25	.3
200 " ...	.5	.6
300 " ...	.75	.9
400 " ...	1.	1.2
500 " ...	1.25	1.5
600 " ...	1.5	1.8
700 " ...	1.75	2.1
800 " ...	2.	2.4
900 " ...	2.25	2.7
1000 " ...	2.50	3.

**THE LYMAN GUN SIGHT CORPORATION**  
MIDDLEFIELD, CONN.

# LYMAN SCOPE SIGHTS

for

## Hunting and Target Shooting

**SUPER TARGETSPOT**  
10, 12, 15 Power

**JUNIOR TARGETSPOT**  
6, 8 and 10 Power

**ALASKAN**  
2  $\frac{1}{2}$  Power, Big Game  
Hunting

**CHALLENGER**  
4 Power, Big Game  
Hunting