

LYMAN FRONT SIGHTS FOR SPRINGFIELD RIFLE

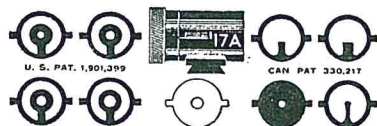


No. 26 Springfield 1-16 in. Bead
Furnished in either Ivory or Gold Bead

No. 32 3-32 in. Bead

No. 24 1-8 in. Bead

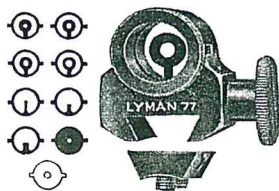
No. 17A TARGET FRONT SIGHT



Meets the individual requirements of the target shooter. Aperture diameters are .070", .093", .110" and .120". Posts are .050" and .100" wide. Note conventional popular Lyman Pin Head.

The inserts interchange accurately and without change of rear sight setting. Full set of inserts with each sight.

No. 17A sights furnished for all guns having rifle front sight slots. With special base for Springfield 1903 and M1, M2, cal. .22—Also Krag, Winchester 54, Remington 30 Express and .30-S Special Rifles.

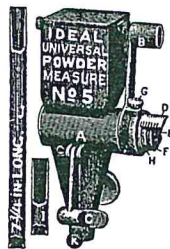


No. 77 Detachable target front sight with base and inserts. Furnished in two heights, regular as shown and 77H to match telescope line of sights.

Regularly supplied with "AK" base to fit dovetail slot.

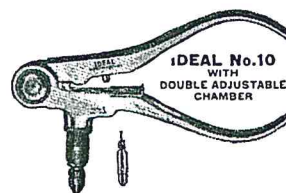
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POPULAR TOOLS FOR RIFLE AND PISTOL CARTRIDGES



No. 5 Powder Measure

Especially designed for measuring within two-tenths grains charges of Smokeless powder. Will handle all powders. Most economical for quantity loading.

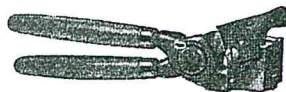
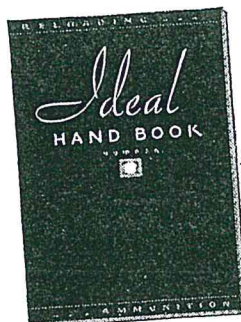


No. 10 Tool for Rimless Ctgs.

No. 3 Tool for Rim Ctgs.

Shell Expanding Chamber recommended to be used with Nos. 3, 6 and 10 Tools.

No. 4 and No. 6 Tools also furnished with mould part of tool for some popular cartridges.



Improved Ideal Single Cavity Bullet Mould has detachable self-aligning mould blocks which are interchangeable. Blocks and handles furnished separately if desired. Mould blocks for different bullets available in the Ideal line. Wood covered handles convenient size, and complete mould light and easy to handle.

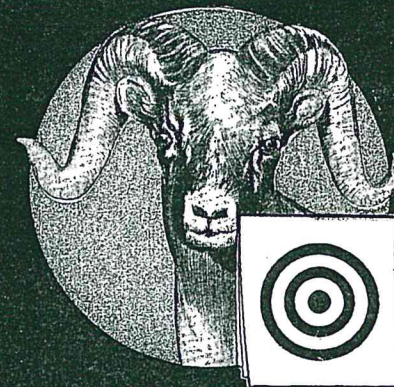
The Lyman Gun Sight Corporation
Middlefield, Conn., U. S. A.

Form 48-5M-6-46

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Printed in U.S.A.

Lyman "48" SIGHTS



RECEIVER SIGHTS FOR SMALL BORE
AND HIGH POWER RIFLES

Micrometer Click Adjustments in
Windgauge and Elevation Slides

The Lyman Receiver Sight No. 48

Micrometer adjustments for Springfield '03-.30 caliber and M1 .22 caliber; Krag; Remington Models 30, 30S and M720; Winchester Models 52, 54 and 70; Ross Model 10 caliber .280; Lee Enfield; B.S.A. .22 match rifle; Savage Models 19 N.R.A. & 19-33 N.R.A., Savage Sporters; Stevens 417½, 1917 Enfield and rifles having Mauser and Martini actions.

These sights are the most popular and efficient micrometer sights on the market. They are the choice of all experts for both target shooting and hunting.

We are constantly receiving so many inquiries in regard to adjusting and using No. 48 sights that the following instructions have been prepared.

These sight adjustments also apply to the Nos. 56 and 57 sights both of which are graduated to ¼ minute of angle.

The No. 48 sights, except the Nos. 48S and 48K, are without the turn-down peep feature and have the windage scale in front of the aperture so that the cup disc does not cover the graduations.

SIGHT ADJUSTMENT

The elevation and windage knobs of the No. 48 sights are graduated to ½ or ¼ minute of angle. There is for each graduation a distinct click which may be felt. This permits adjustments in dim light. The ¼ minute graduations give a change of ¼" in the grouping of shots at 100 yards with an approximate sight radius of 28". The ½ minute graduations give a change of ½" at 100 yards.

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The change in the grouping is proportionate to the range, i.e., the ¼ minute clicks give changes of .041" at 50 feet, ⅛" at 25 yards, ⅜" at 50 yards, ¼" at 100 yards, ½" at 200 yards, ¾" at 300 yards, 1¼" at 500 yards, etc. The ½ minute clicks give changes of .082" at 50 feet, ⅜" at 25 yards, ¼" at 50 yards, ½" at 100 yards, 1" at 200 yards, 1½" at 300 yards, 2½" at 500 yards, etc.

EXAMPLE: Suppose you were shooting at 200 yards and your bullets on the average are striking the target 4" below the point of aim. To correct, simply raise your elevation 2 minutes (4 clicks with ½ minute graduations or 8 clicks with ¼ minute graduations) and your shots will group 4" higher.

Slight differences in sight radius can be ignored from a practical standpoint. However, if the No. 48 sight is used on a rifle having the barrel length considerably more than 26" or on a Carbine where the barrel length is considerably less, the above corrections will not hold true. The shorter the sight radius the greater the change in the grouping for each click of the rear sight, while the longer the sight radius the smaller the change will be on the target. The difference will amount to 6½% for each inch of increase or decrease in sight radius from 28".

By unscrewing the locking bolt knob on the side of the base as far as possible and pressing in, the threads on the elevation screw will be disengaged so that the slide may be quickly raised or lowered, removed or replaced as desired. This quick release feature is especially appreciated by shooters who use scope and metallic sights interchangeably.

SIGHT ADJUSTMENT RULE

To make corrections always remember to move the rear sight in the direction in which you wish to move the center of the group. That is, if you are shooting low raise the rear sight. If you are shooting to the right, move the rear sight to the left.

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ANGLES OF ELEVATION

The following tables of angles of elevation will show the rifleman just how much he must raise his elevation for the various distances at which he shoots. To apply them a zero elevation must first have been established by carefully targeting the rifle at some definite range, preferably 100 yards, so that the center of the group and the line of aim coincide. These elevations in minutes are approximate and are total elevations for the range given.

ELEVATION TABLES

Range-Yards	A	B	C	D	E	F	G	H
100	0	0	0	0	0	0	0	0
200	3	3	3	3	4	2	4	4
300	6	6	6	7	9	4	10	9
400	10	10	10				17	14
500	14	13	12	15	28	15	25	21
600	18	17	16				34	29
700	24	22	21					
800	31	28	26				48	
900	38	33	31				63	
1000	47	40	38				79	

COLUMN A: Model 1906 ammunition, 150 grain, bullet, muzzle velocity 2700 f. s.

COLUMN B: Model 1906 M1 ammunition, 173 grain boat-tail bullet, muzzle velocity 2660 f. s.

COLUMN C: 180 grain boat-tail bullet, muzzle velocity 2725 f. s.

COLUMN D: Remington, Winchester, Western, Peters and United States sporting and target ammunition loaded with 180 grain bullet at a muzzle velocity of from 2645 to 2700 f. s.

COLUMN E: Remington, Peters, Winchester and United States .30 Springfield sporting ammunition loaded with 220 grain bullet at from 2400 to 2450 f. s. Note: This column will also be found approximately correct for the Western 220 grain boat-tail ammunition at 2330 f. s.

COLUMN F: Remington 110 grain .30 Springfield 3500 f. s. muzzle velocity.

COLUMN G: Krag rifle 30/40 ammunition 220 grain bullet, muzzle velocity 2000 f. s.

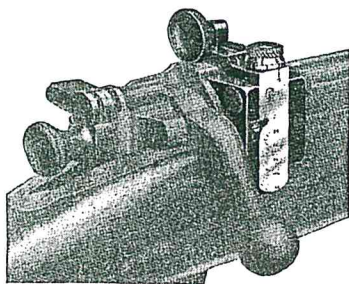
COLUMN H: Krag carbine 30/40 ammunition, 220 grain bullet, 1940 f. s.

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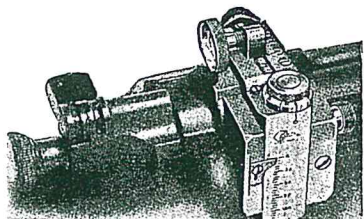
No. 48 Springfield

This sight is attached to the right hand side of the receiver just ahead of the bolt handle. The aperture has a man built in turn down peep and is tapped and drilled for target disc. Disc not furnished unless specified.

Furnished with either long or short slide. Short slide sent unless long slide is specified. The short slide has ample adjustment to meet all ordinary conditions. Tap and drill necessary for mounting.



No. 48C Sight for the .22 caliber Springfield M1 and M2



The 48C sight is especially designed for target work with the cal. .22 Springfield rifles Model 1922 M1 and M2 and also for the caliber .30 Springfield. The elevation and windage adjustments are in increments of 1/2 minutes

of angle representing a change in the center of impact of 1/2 inch for each 100 yards of range. The aperture of the 48C does not have the built in turn down peep but is furnished with a target disc. The windage scale is mounted in front of the aperture. There is ample elevation adjustment in the 48C sight for the usual distances at which the Model M1 and M2 .22 caliber rifles or the caliber .30 Springfield Model 1903 are used.

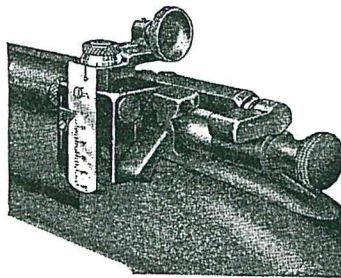
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No. 48K

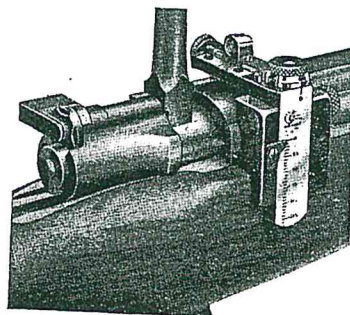
Designed to be attached to the left hand side of the receiver just in back of the magazine plate. The tip of the magazine plate must be filed or ground away in order that the sight base may fit against the side of the receiver. In this location the sight gives an increase of 8 1/2 inches in sight radius over that of

No. 48K on Krag. Shipping wgt. 6 oz.

service sight. When mounted the sight does not interfere with the normal functioning of the arm. The elevation slide can be quickly raised or removed, permitting removal of the bolt. With the full length Krag barrel a change of 1 click in either elevation or windage will change the center of impact on the target about 8/10 inches. With the Krag carbine each click will change the center of impact approximately 1 1/4 inch for each 100 yards of range. Tap and drill necessary for mounting.



No. 48M sight for Mauser rifles

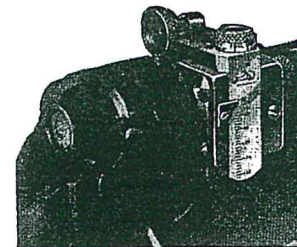


No. 48M Mauser Rifles
Shipping weight 6 oz.

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No. 48R Sight for the new Model Remington .30 Express bolt action rifle

Designed to fit the right hand side of the receiver of the Remington Model 30 Express which is already tapped and drilled for it. Increases sight radius to 26 inches or 50% more than the factory sight radius. Aperture is tapped and drilled for disc but does not have turn down peep feature. Is adjustable by half minutes of angle for elevation and windage. Requires special height of front sight.



No. 48E17 for Remodeled 1917 Enfield Rifle

The No. 48E17 (similar to 48R) is a special assembly requiring the minimum of alteration on the 1917 Enfield receiver which will still give the rifle a finished look. It mounts on the right hand side of the receiver just forward of the bolt handle. The sight as ordinarily supplied has the 1/2 minute adjustment for both windage and elevation and is supplied with disc but without the turn-down peep feature. The windage scale is to the front. Tap and drill are needed.

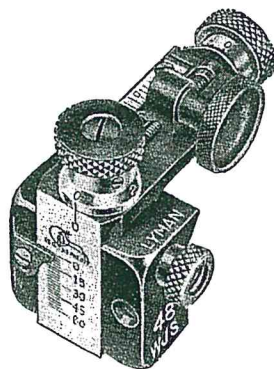
No. 48 Sight

The No. 48 Sights shown and described in this booklet are the same as furnished from stock. In many cases such as supplying the large target knobs on the hunting type of sight, or the hunting knobs on any of the sights, the work can be done without additional charge if the sights are so ordered originally. This work done afterward requires special handling and parts for which a charge is made.

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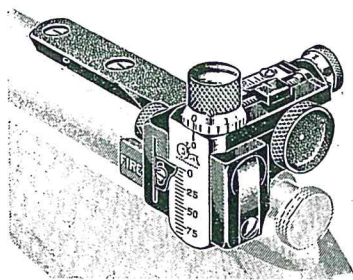
No. 48WJS for Winchester 70 and 54

Made with short slide flush with bottom of base but with ample adjustment for ordinary ranges. Has new style target knobs with $\frac{1}{4}$ min. clicks and adjustment same as on telescope mounts. Receiver of the above rifles are tapped and drilled for the 48 sight.



The Bull gun requires special slide for 1000 yard shooting.

No. 48Y



No. 48Y mounted on Savage 19
Shipping weight 7 oz.

This sight uses the same screw holes as Savage Factory Rear Sight. No cutting of stock necessary and no tools other than a screw driver needed. Sight proper fits on the left hand side. Click adjustments give change of $\frac{1}{4}$ inch at 100 yards. Has large knobs for easy handling. Furnished with target disc but

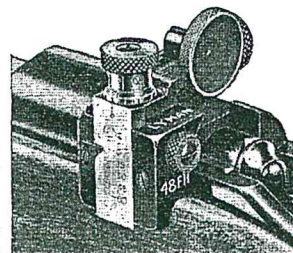
does not have turn down peep feature. Windage scale in front of aperture for easy reading.

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No. 48J, 48JH and No. 48F and 48FH for Winchester 52 Rifles

No. 48FH shown in Cut

New design with direction of movement same as on telescope mounts for the convenience of the shooter using both metallic and scope sights. The 48J and JH fit in the slot made for the Winchester factory rear sight while the 48F and FH mount on the left hand side of the receiver by means of two screws. All of the newer rifles are tapped and drilled for the 48F and 48FH sight. Target Knobs with $\frac{1}{4}$ min. adjustment. Supplied with target disc. No cutting of stock.



ELEVATION TABLES FOR .22 CALIBER RIFLES

The readings in the following tables are only approximate but will be found very close for most all .22 caliber target rifles. They were obtained with the Lyman 17A hooded front sight with aperture insert and with a cartridge of standard manufacture.

(These elevations are approximate and total for the ranges given.)

Range	Minutes	Half Min. Clicks	Quarter Min. Clicks
50 feet	0	0	0
25 yards	$-\frac{1}{2}$	-1	-2
50 yards	0	0	0
100 yards	7	14	28
200 yards	27	54	108

Changing from 50 yards to 100 yards raise sight 7 minutes. (14 half min. clicks or 28 quarter min. clicks.)

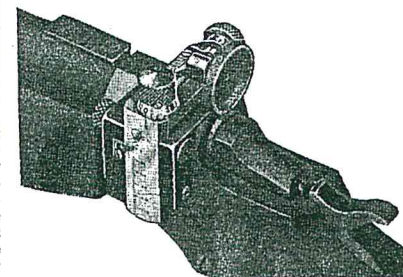
Changing from 100 yards to 200 yards raise sight 20 minutes. (40 half min. clicks or 80 quarter min. clicks.)

As mentioned above, these readings are only approximate, therefore each shooter should target his own rifle carefully at the different distances making careful note of the readings. This is important in that there are many matches in which no sighting shots are allowed.

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48L

The No. 48L sight is especially designed for the Stevens 417 Walnut Hill model rifles. Graduations both for windgauge and elevation are to one-quarter minutes, the point of impact being changed approximately $\frac{1}{4}$ " for each change of graduation. Clicks correspond with the graduations so that sight settings can be readily changed by feel, an advantage particularly appreciated by indoor target shooters. Knobs, windgauge and elevation, are large size convenient for operating in all shooting positions. Recommended to be used with No. 17A front sight. Disc regularly furnished with No. 48L sight $\frac{3}{8}$ " outside diameter with aperture .040" diameter.



Telescope Sights



LYMAN SUPER TARGETSPOT



LYMAN TARGETSPOT



LYMAN JUNIOR TARGETSPOT



LYMAN 438 FIELD



LYMAN ALASKAN

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