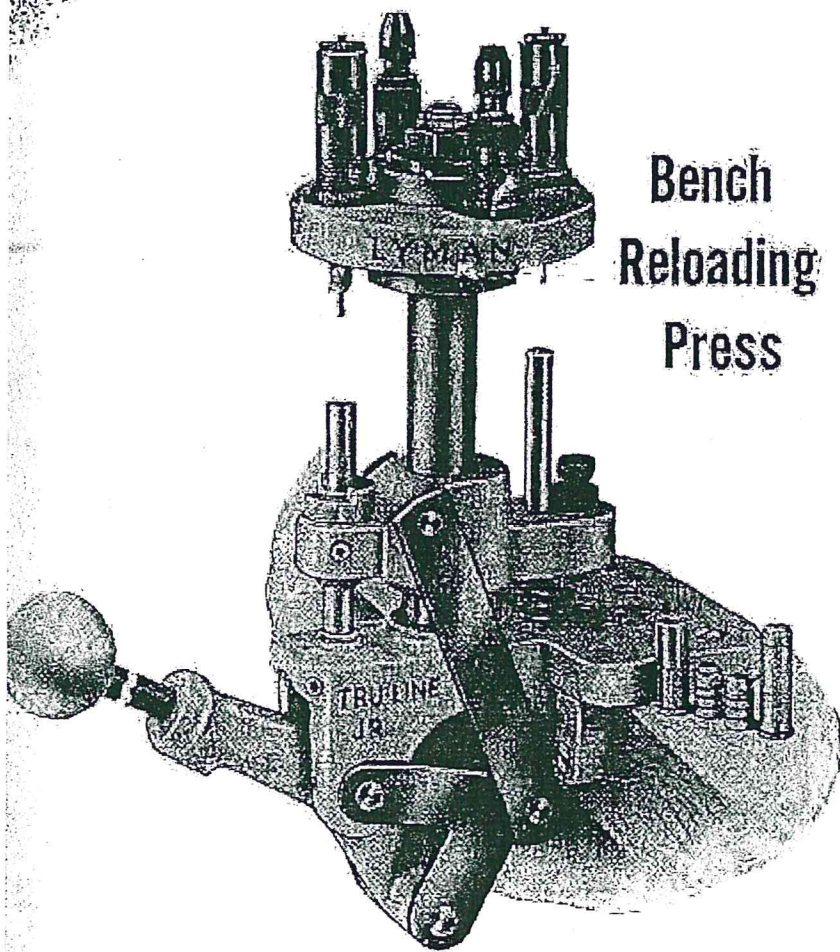


LYMAN

Ideal

TRU • LINE JR.



Bench
Reloading
Press

the LYMAN GUN SIGHT CORP.

MIDDLEFIELD, CONN. U.S.A.

The IDEAL TRU-LINE JR.

Bench Reloading Press

The Tru-Line Jr. produces accurate and reliable ammunition with a minimum of effort and time. This press uses *any* standard Lyman Ideal dies, with the exception of the No. 310 Tool priming chamber. In place of this the priming punch and shell holder is used. The self-centering turret head can be set up for either one or two calibers at one time, depending on whether the new combination die, or the individual No. 310 Tool dies are used.

This Press is very fast and requires a minimum of set-up time. The toggle joint design enables the operator to exert great pressure with little effort.

The Tru-Line Jr. is easily attached to a bench with four mounting screws and does not require any preliminary cutting of the bench. It should be located at a convenient "working" height, on a bench sturdy enough to keep from wobbling during operation.

We strongly recommend the Ideal Reloading Hand Book to anyone who desires to know all the necessary data for reloading. It is best to have a fairly good general knowledge of the subject before proceeding with the individual reloading operations. The procedure outlined in this folder is fully illustrated and explained in the Ideal Hand Book.

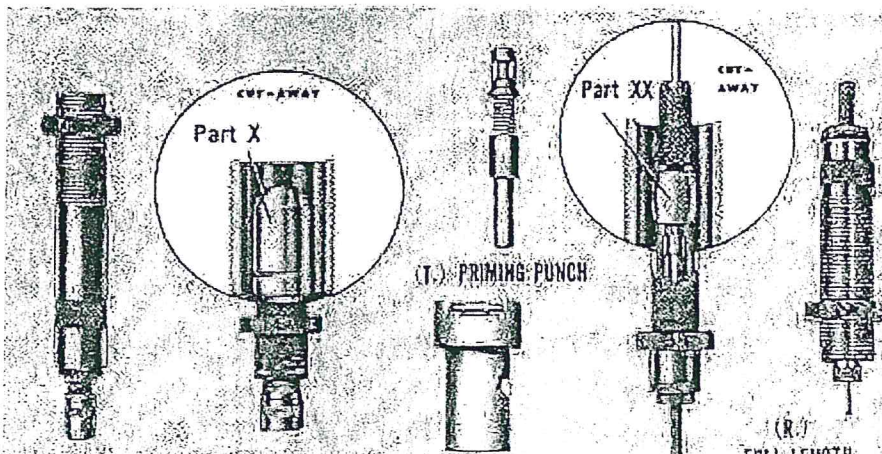
TRU-LINE JR. DIE SETS

RIFLE DIES:

- E. Double Adjustable Chamber
- E. Bullet Seating Screw
- S. Comb. Muzzle Resizer
- S. Comb. Expanding Buttons
- S. Comb. Decapping Rod
- T. Priming Punch
- J. Shell Holder

PISTOL DIES:

- E. Double Adjustable Chamber
- E. Bullet Seating Screw
- F. Expanding Chamber
- E. Two-Step Expanding Plug
- R. Full length Sizing Die
- T. Priming Punch
- J. Shell Holder



STEP-BY-STEP RELOADING

FULL LENGTH RESIZING. If the fired cases will not chamber satisfactorily without sticking, they should be full-length resized before they are reloaded. For rifle cases this operation is carried out independently of the press, with a hand resizing die. Pistol cases are resized on this press using Die "R". This decaps them at the same time.

DECAPPING

MUZZLE RESIZING

NECK EXPANDING

These three operations are performed at one time on rifle cases with the aid of the Combination Die "S". This die should first be screwed down into position. The Muzzle Resizing portion of the die must be adjusted first. The entire die should be screwed down into the threaded portion of the press until the muzzle of a sample case is resized to the correct depth when the handle is pulled down all the way. The lock nut should then be set on the die to keep it in position. The correct muzzle resizing depth is almost always equal to the depth to which the bullet will be seated in the case. Never resize to the shoulder with the muzzle resizer.

The decapping rod is next adjusted to the exact depth which will knock the primer out of the pocket when the handle is pulled down all the way. This automatically adjusts the neck expanding button to the proper depth. The top lock nut is set on the decapping rod and everything is set to go. It is advisable to put a very small amount of lubricant on the neck rim of every third or fourth case when processing them, since this makes the operation easier, and prolongs the life of the die.

PISTOL CASES are neck expanded with Die "F". The decapping and muzzle resizing have already been accomplished in the first operation with the "R" Die. To expand the case neck to the proper diameter, adjust the die so that the case goes part way onto the second step of the Expanding Plug, Part "X". This second step is .001" larger than the diameter of the bullet so as to allow it to be started by hand, and then seated friction tight in the next operation.

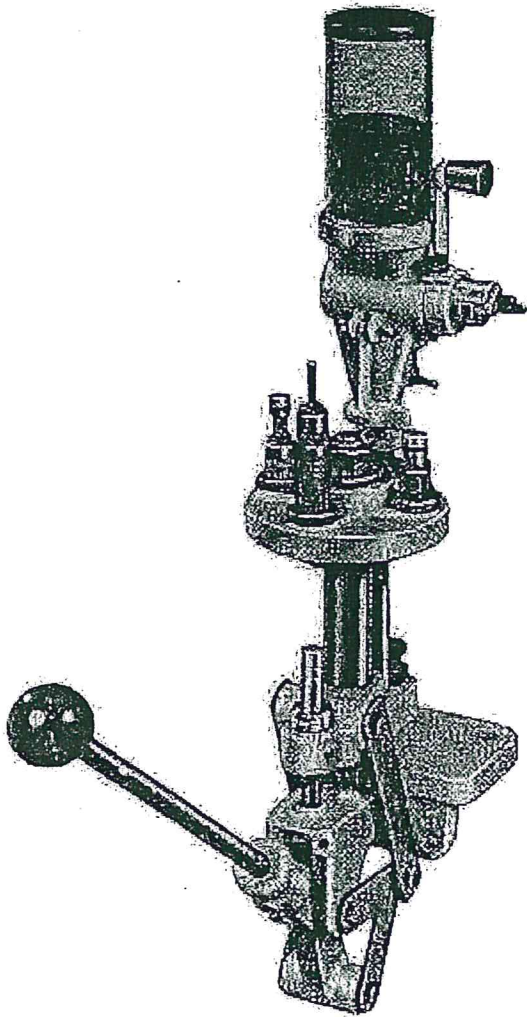
PRIMING. With the Priming Punch "T" screwed into its position at the base of the press, a primer is placed into the top of the punch and the handle brought up as far as it will go so as to place the primer into the primer pocket of the cartridge case. Care should be taken so that the primer is seated to the bottom of the pocket of the case, but not crushed. The primer stop screw at the rear of the press regulates the depth of seating.

BULLET SEATING. After the powder charge has been deposited in the case, we are ready to seat the bullet and crimp it in place. Die "E", the Double Adjustable Chamber with Bullet Seating Screw is screwed down into position. To set this die it is advisable to have a loaded factory or reloaded cartridge. This should be placed in the Shell Holder "J" and the press handle brought down with the Bullet Seating Screw backed off, and the body of the die screwed down until the crimping shoulder bears hard against the crimped edge of the cartridge. Lock it in place with the lock nut and screw in the

STEP-BY-STEP RELOADING, continued

Bullet Seating Screw to contact the bullet. Lock it also. Then proceed by inserting a bullet in a case and placing it in the Shell Holder. When the handle is brought down it seats the bullet and crimps it in place. Some small further adjustment in the chamber or screw may be necessary before proceeding with the other cases.

A rather heavy crimp should be applied to pistol and revolver bullets. This can also apply to cast bullets for rifle cartridges, although some prefer to seat them friction tight, as is generally done with jacketed bullets.



Tru-Line Jr, set up for processing a cartridge through all reloading operations; Note the Ideal No. 55 Powder Measure which is mounted in the turret with adapters furnished as standard equipment.