

STAPLER—HELLER

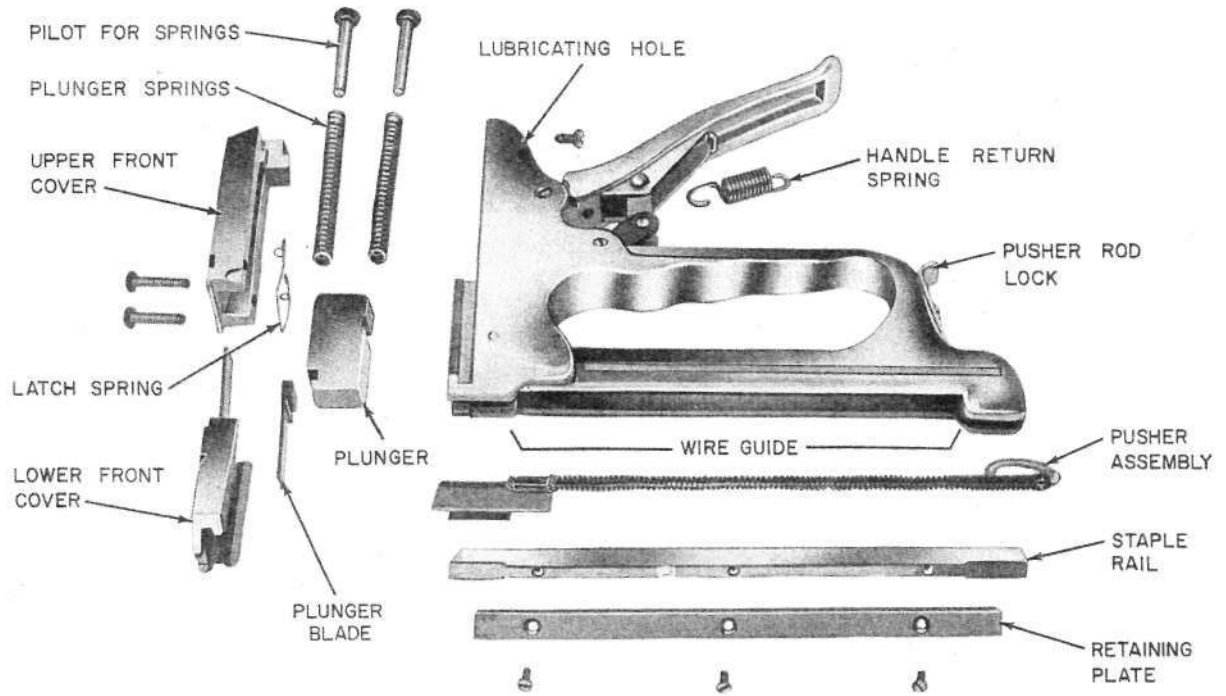


Fig. 1—Model TMN Stapler

1. GENERAL

1.01 This section identifies and describes the operation and maintenance of the Heller stapler.

1.02 This section is reissued to:

- Revise information on staples
- Provide information on the converted TM stapler which will be designated the TMN model.
- Remove the M-model stapler

Since this reissue covers a general revision, arrow: ordinarily used to indicate changes have been omitted.

2. IDENTIFICATION

PURPOSE

2.01 To drive H and J staples used for fastening D-Station Wire or small gauge ground wire

ORDERING GUIDE

- Stapler, TMN
- Staple, H (zinc or ivory)
- Staple, J

(a) *Replacement Parts*

TABLE A

STAPLER MODEL	REPLACEMENT PARTS	PART NUMBER
TMN	Pusher Assembly	20-0105
	Plunger Blade	20-0103
	Plunger Spring (2)	20-0020
	Handle Return Spring	20-0013

Note: Heller Roberts Corporation Part Numbers

## DESIGN FEATURES

**2.02** The TMN stapler (Fig. 2) contains a spring-driven hammer which is actuated by depressing the operating handle. After each operation a staple is automatically fed into driving position by the pusher assembly.

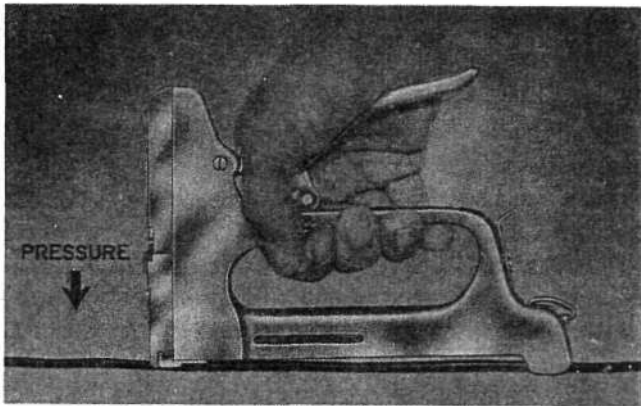


Fig. 2—Holding Position For Model TMN Stapler

**2.03** The TMN stapler uses H or J staples. H staples are available in a zinc or ivory finish and are intended for indoor use. J staples have a copper coated finish and are intended for outdoor use.

## OPERATING FEATURES

**2.04** To drive a staple, place the staples squarely over the wire and hold firmly against the surface into which the staple is to be driven. Depress the handle. Pressure is maintained at

the hammer end of the stapler during the driving operation. This minimizes any tendency of the tool to recoil or bounce (Fig. 2).

**2.05** To load raise the pusher assembly lock, disengage the pusher assembly, and withdraw it from the frame.



*Always maintain the stapler in an upright position, with the staple rail horizontal throughout the loading operation, and slide the staples into the magazine. Replace the pusher assembly and be sure to lock it in place.*

## 3. MAINTENANCE

## CLEANING AND LUBRICATION



*The stapler should be operated only when staples are being driven to attach wire. When dismantling the tool for cleaning or when inspecting and testing smoothness of action after reassembly, be certain that the head of the tool is in a position that will prevent possible accident hazard should any staples be left in the magazine.*

**3.01** TMN staplers should be cleaned and lubricated periodically. Wipe the parts to be cleaned with a cloth moistened with light oil. Excessive use of lubricant should be avoided.

**3.02** The staple rail should be free from lubricant at all times.



*The pusher assembly should never be used to free a jammed staple.*

**3.03** If a staple jams in the stapler, proceed as follows:

- (1) Remove the pusher assembly as described in 2.05.
- (2) Remove all staples which can be shaken out of the magazine.

(3) Release the latch from the latch pin or the spring latch, as the case may be, and slide lower front cover down and off.

(4) Remove the front slide insert if it is not riveted to the lower front cover.

(5) Remove the plunger blade and insert a ramrod, designed for use with all models, over the staple rail from the rear of the tool and push out the jammed staple through the front opening.

(6) In case the jammed staple cannot be cleared by the above procedure, the three flathead screws in the staple rail retaining plate located on the bottom of the stapler shall be removed, permitting the removal of the staple rail and allowing access to the staple rail chamber.

3.04 Occasionally a staple may become jammed in a manner that prevents the removal of the lower front cover. In such cases, after the

procedures outlined above have failed, proceed as follows:

(1) Operate the handle and hold it against the frame. Carefully remove the screw located directly above the lubricating hole in the plunger spring housing.

(2) With the handle in unoperated position, remove the two screws that hold the upper front cover in place from the front of the tool and take off the cover.

(3) The lower front cover than can be removed in the usual manner and the jammed staple cleared from the staple rail.

3.05 After the jammed staple is removed, make sure that the magazine chamber, follower, plunger blade, and the channel through which the plunger blade operates are clear of all dirt and foreign particles which might interfere with free feeding and driving of staples.