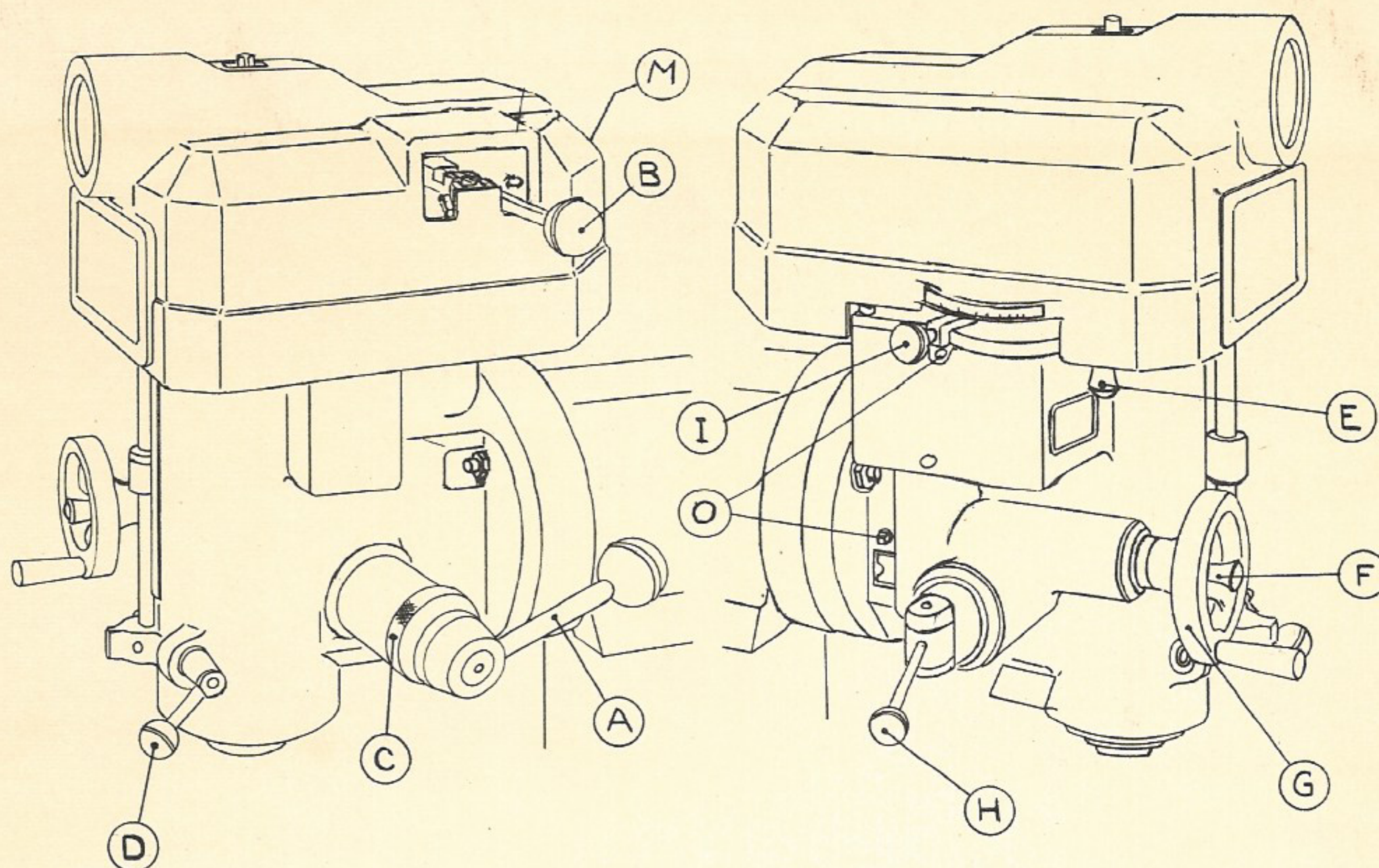


INSTRUCTIONS FOR HEDWICK MILLING MACHINE
FENLIND ENGINEERING CO.
ROCKFORD, ILLINOIS



- A.. Hand Feed Lever - For rapid advance or retract of quill.
- B.. Back Gear Shifting Lever - To rotate spindle freely, raise lever and position half way between vertical slots for neutral. BE SURE lever is in front or back slot before turning on machine.
- C.. Friction Brake Control - Adjust friction as desired by moving knurled ring in clockwise direction to increase tension and counterclockwise to decrease tension.
- D.. Spindle Binder Lock - Pull knob forward to engage. Do not tighten excessively -this is a very powerful lock. Adjustment is made by changing position of hexagon nut on opposite end of knob.
- E.. Power Feed Input Clutch - "Up" is disengaged position and "down" is engaged. Knob should be in "up" position at all times except when using power feed. Do not use for extended period with spindle running in excess of 2,000 RPM.
- F.. Fine Hand Feed Clutch - See #2 for use.
- G.. Fine Hand Feed Handwheel - See #2.
- H.. Spindle Power Feed Clutch Lever - Pull to engage and push to disengage. This is a combination clutch and overload release mechanism.
- I.. Feed Rate Setting Lever - Loosen knob lock and move lever to desired rate. This may be changed at any time. Moving the lever to zero position stops downward feed and provides means for jogging.

TO USE POWER QUILL FEED FOR DRILLING OR BORING

1. Engage power feed transmission by pulling down on knob "E" and rotating spindle by hand until clutch is felt to drop into mesh.

Pull out on knob "F" and rotate fine feed handwheel slowly until knob drops into engagement. Handwheel is now part of power feed train.

Move knob "I" to desired feed rate and lock, turn on machine and adjust spindle speed.

Advance tool to work with hand feed lever "A" then pull clutch lever "H" forward to start. Quill will feed down at rate set.

To stop feed, push lever "H" toward back of machine.
2. To use fine feed handwheel to advance or retract quill, push in on knob "F" then pull power feed clutch lever "H" toward front of machine. Spindle may now be raised or lowered by rotating handwheel to right for down or left for up.

LUBRICATION INSTRUCTION

Use AGMA #3 (American Gear Manufacturers Association) Oil. Equivalent Grades

Standard Oil Company - Stanolil 51 or 75	Texas Oil Company - Regale E (R & O)
Shell Company - Tellus 41 or 69	Texas Oil Company - Regale F (R & O)
	Socony Vacuum - DTE Extra Heavy

These Oils meet AGMA specifications of 490-700 Saybolt Seconds at 100 degree F.

Drain and refill every six (6) months. Check every thirty (30) days.

At "M", fill to plug through hole in cover.

Fill to Top Plug at "O" +.

PLATE #1

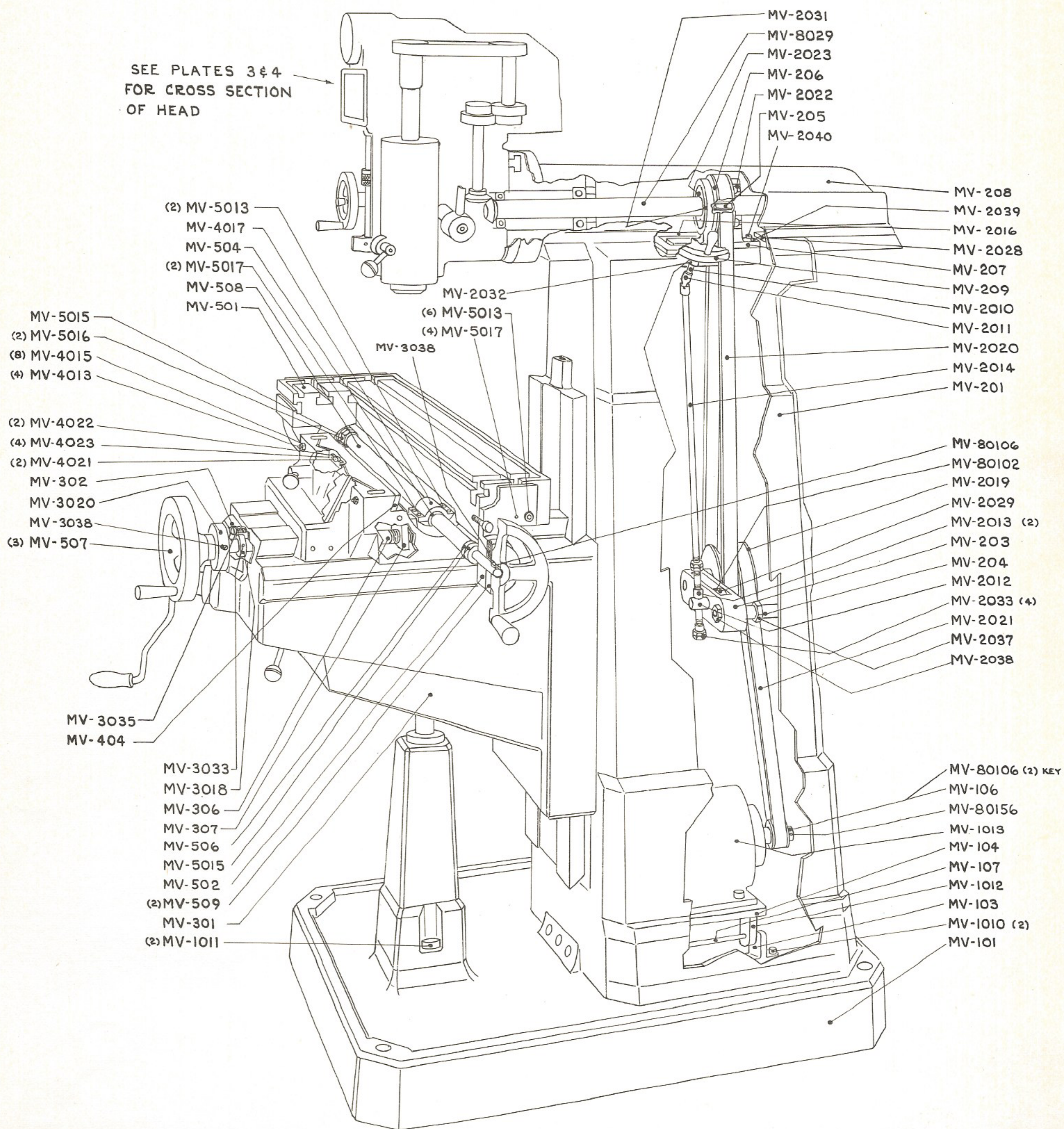
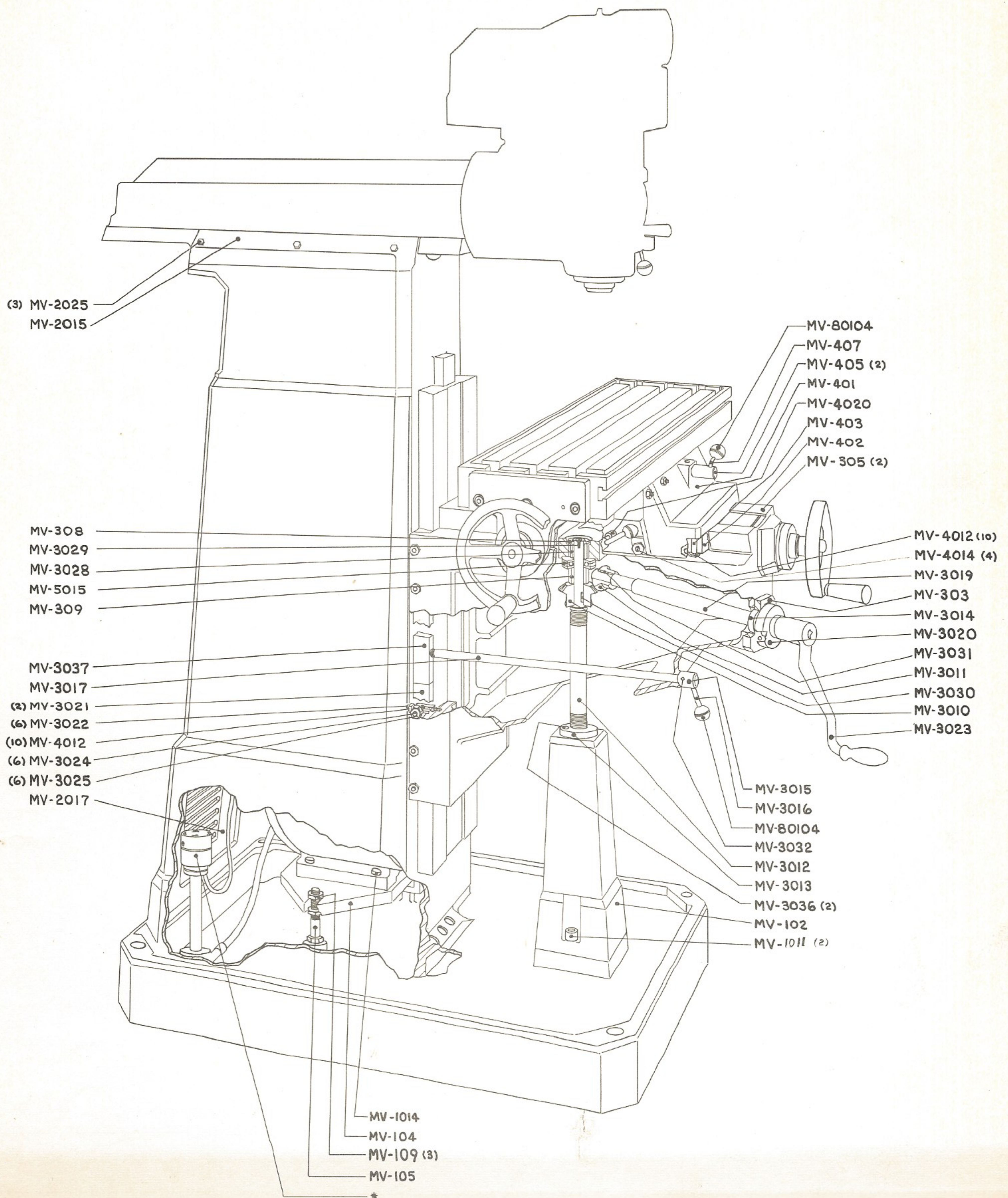


PLATE # 2



SEE ACCESSORY LIST

PLATE #3

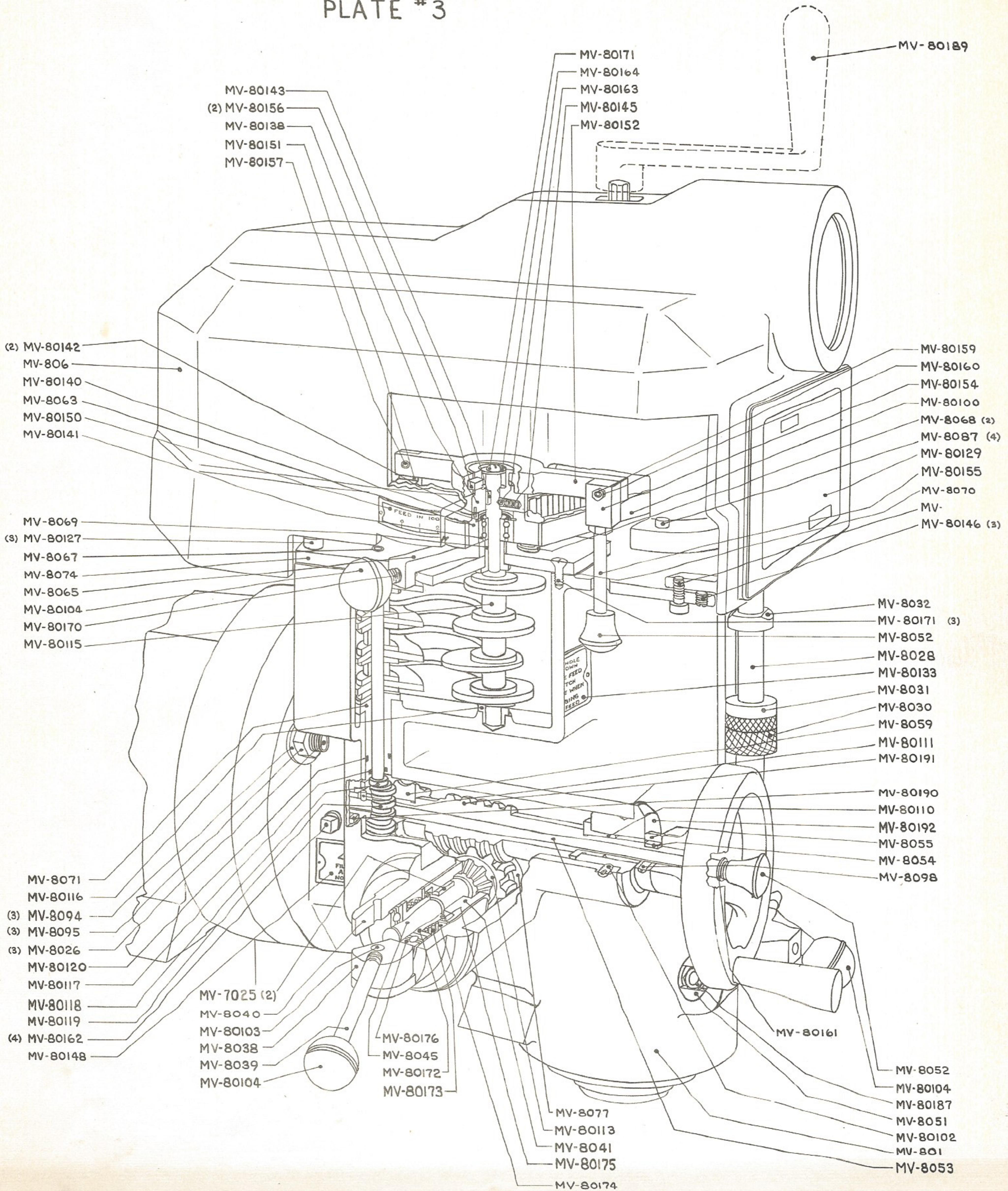


PLATE #4

