JOB NAME Screw Gage

BLUE PRINT NUMBER: 01-A-4

INFORMATION: This is a valuable tool for checking fine and coarse threads

under ½" in diameter.

PRIMARY SKILL LEARNED: 1. ocribing and center punching.

2. Center drilling in a drill press.

3. Drilling for tapping. (tap size drills)

4. Countersinking.

5. Tapping work held in a vise at right angles

to the workpiece.

PRECAUTIONS: 1. Layout from center lines.

2. Use thin parallels under work when drilling.

3. Tap largest holes first to get feel of tap wrench.

4. Use small tap wrench for small holes.

5. Use oil when tapping.

6. Check tap from two directions to make sure it is at

right angles to the workpiece.

STCCK: 3/8" x 2" Cold rolled steel.

OPERATIONS: 1. Cut stock 4 3/8" long.

2. nemove burrs.

3. File outside edges square.

4. File bevel.

5. Apply layout fluid and layout holes.

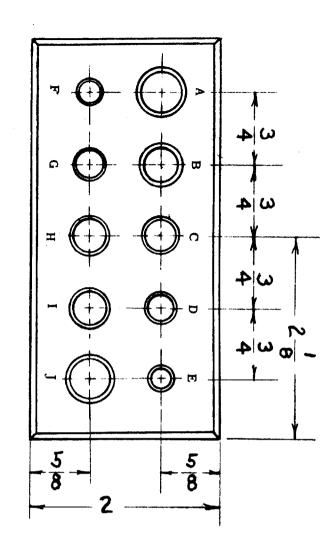
6. Center drill all holes.

7. Drill all holes.

8. Countersink all holes.

9. Tap all holes.

10. Stamp sizes, name and date.



ر		H	G	þ	m	0	C	В	>	HOLE
212	<u>25</u>	Q	I	3	7	म	<u>8</u> 15	U	27	TAP DAILL
2-20	₹6-20	38-24	7 ₁₆ -24	4-28	14-20	36-18	3/8-16	7/6-14	2-13	Thid Ar

BREAK
ALL
UNNECESSARY
CORNERS

<u>3</u>

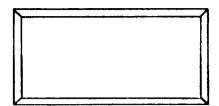
16 × 45°

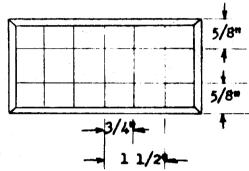
8
NOT
SCALE
DRAW
SNC

1		<u> </u>	
2	0-7-4	SCALE:	SPECIFIED:- ± .001
444	D'W'G, NO.	HEAT TREAT DATE:	UNLESS OTHERWISE ANGULAR 1 CONCENTRICITY
1_		CON TORREST. IN CHIEF	DIMENSIONAL TOLERANCES FRACIONAL # DECIMAL .002
	SCREW GAGE	WAI ERIAL TANE	CE WILLIAM XEG. VOCALIONAL LECT. SCHOOL
		LAATEDIAI DABT	
	SO NOT COOKER ON WING		

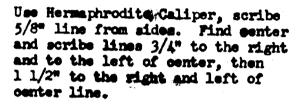
INSTRUCTION SHEET SCREW GAGE

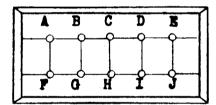
Select and cut proper material 3/8" X 2" X 4 3/8". Remove burrs. File edges square and draw file bevel 1/16" X 1/16" X 45°. Paint layout fluid on top.

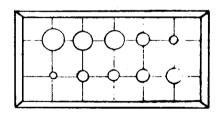




Center punch and Center drill all intersections. Drill: all locations with a #7 drill. Scribe locations A, B, C, D, E, F, G, H, I, J.







Drill all locations with the proper tap size drill, use vise when drilling. Note chart on print for tap size drill.

Countersink both sides of all holes 1/16" deep with a 90 Countersink. Tap holes with the proper tap. Use oil—STAMP tap sizes at locations. Stamp name and date. Finish.

