

**The following blueprints are courtesy
Ralph Hagan, author of "The Liberator Pistol",
and are presented with his permission at
www.biggerhammer.net.**

**For more Liberator info, you can purchase his book at
<http://home.pacbell.net/rlhag65/>**

THE LIBERATOR PISTOL



**DEVELOPMENT
PRODUCTION
DISTRIBUTION**

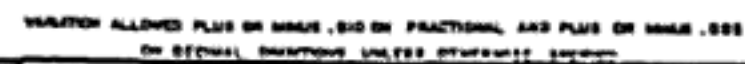
RALPH HAGAN

REPRODUCED FROM THE U.S. SONGER AND C.A. DREX GUN

Part Nomenclature	"Cover Name"	Drawing Number
1. Handgrip	Grip, Left-hand	13108
2. Right Handgrip	Grip, Right-hand	13108-13109
3. Breechblock	Cover, Slide	13127
4. Breechblock Spring	Lock Spring	13119
5. Breechblock Spring Pin	Rivet Lock	13118
6. Barrel Strap	Tube Strap	13125
7. Barrel	Tube	13110
8. Trigger Guard	Spanner	13126
9. Cocking Knob	Control Handle	13124
10. Breechblock Guide Pin	Guide Pin	13124-1
11. Firing Pin	Control Rod-Upper Part	13124
12. Cocking Knob Guide Rod	Control Rod-Lower Part	13120-13124
13. Guide Rod Support	Rod Guide Bracket	13121
14. Guide Rod Spring	Control Rod Spring	13132
15. Guide Rod Collar	Collar	13122
16. Guide Rod Collar Pin	Collar Pin	13123
17. Trigger	Yoke	13113-13131
18. Trigger Spring	Yoke Spring	13115
19. Trigger Connector	Yoke Lever	13114
20. Trigger Connector Pin	Shoulder Rivet	13116
21. Trigger Hinge Pin	Rivet-Yoke	13117
22. Trigger Spacers, 2 each	Spacer	EX-1174-1
23. Magazine Plate	Snap Cover	13112

Also shown are assembly drawing numbers: 13111, 13128, 13129, 13130, 13131 & 13154.
Drawing 13133 is a list of the drawings.

GENERAL MOTORS CORPORATION
DAYTON, OHIO



MATERIAL		SPEC.		REL. NO.		DATE	
C.R.S.						5-15-42	
FINISH		SPEC.		SCALE			
DRAWN BY		DATE STARTED		FINISHED		CHECKED	
		5-15-42				DATE	
						APPROVED	
						DATE	
						5-15-42	

NAME GRIP L.H.ASSEMBLY

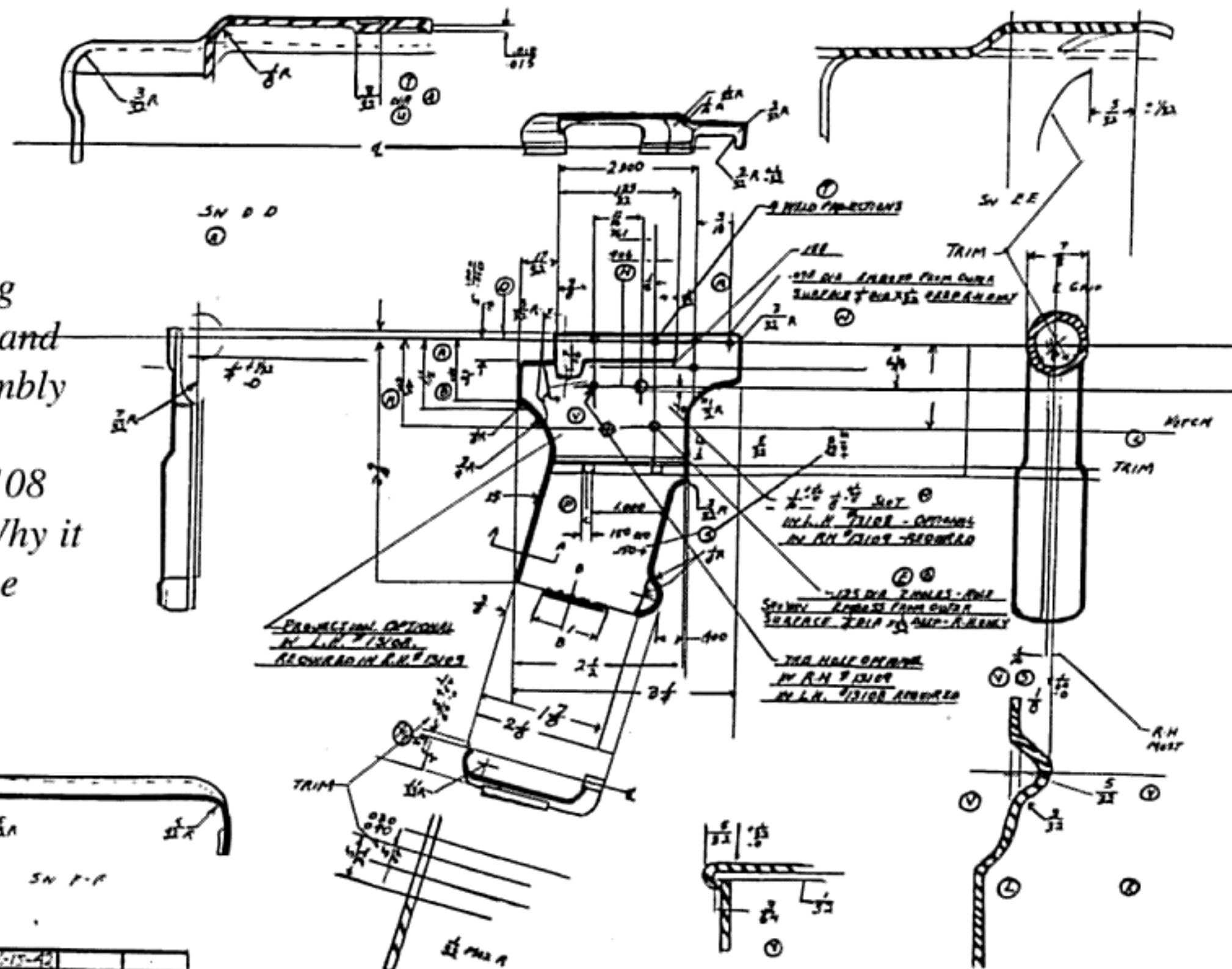
DRAWING & PART NO.
13108

LET	CHANGES	DATE	C&R	REF.NO.	LET	OUNCES	DATE	C&R	REF.NO.

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO

Note: Drawing 13109 should be of the right handgrip. This drawing shows both handgrips and appears to be an assembly drawing. The original drawing shows the 13108 and 13109 numbers. Why it is named "Sub Machine Gun" is unknown.



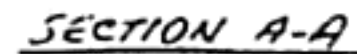
ADDED NOTE	5-17-42
150° WAS 140°	7-9-42
WAS 3/32 DIA .140°	6-22-42
3/32 WAS 15/16	6-18-42
ADDED 1/4	6-11-42
ADDED NOTE	6-11-42

X	1/16\"/>
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W	1/16\"/>
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MATERIAL		SPEC.		REL. NO.		DATE	
FINISH		SPEC.		SCALE			
DRAWN BY		DATE STARTED		FINISHED		CHECKED	
		5-6-42					
NAME				DRAWING & PART NO.			
SUB MACHINE GUN				13108 13109			

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					E	.476 WAS .4756			
					D	O.M. ADDED	2-9-42		
					C	#740#765 WAS #724#738	6-25-42		
					B	.006 WAS .005	6-25-42		
					A	NOTES ADDED	5-16-42		
F	WAS 1.025 + .006	2-15-42							
LET	CHANGES	DATE	CNR	REF.NO.	LET	CHANGES	DATE	CNR	REF.NO.

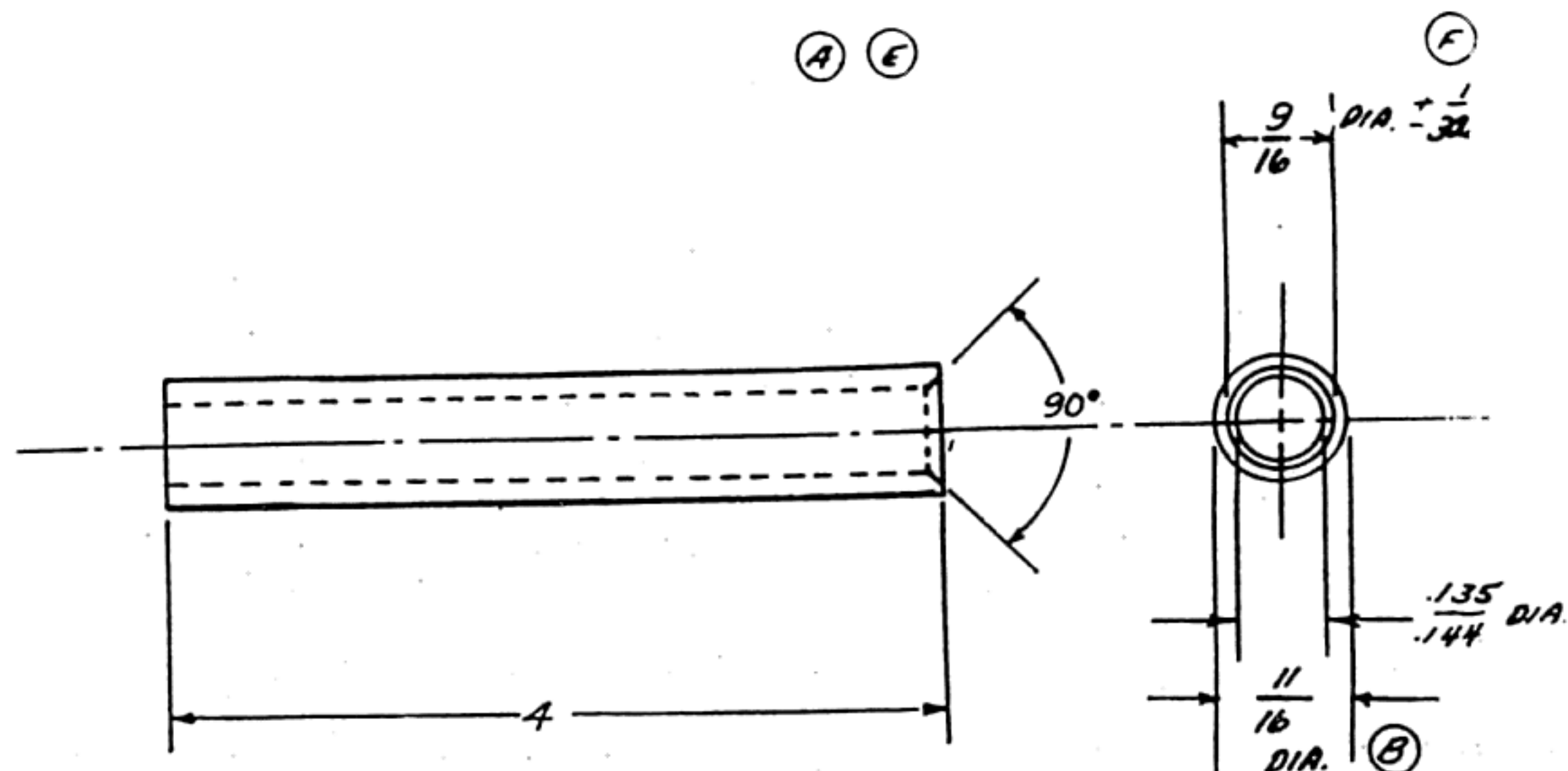
VARATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE

MATERIAL C.R.S.		SPEC.		REL. NO.		DATE 5-13-92	
FINISH		SPEC.		SCALE			
DRAWN BY HAMISCH		DATE STARTED 5-13-92		FINISHED		CHECKED	
NAME		DRAWING & PART NO.		DATE		APPROVED	
TUBE & STRAP ASSEMBLY		13111					

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DAYTON, OHIO



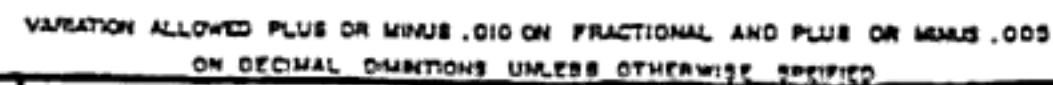
VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MAT'L C.R.S.		SPEC.		REL. NO.		DATE 5-24-42	
FINISH SEAMLESS		SPEC.		SCALE			
DRAWN BY		DATE STARTED 5-2-42		FINISHED		CHECKED	
NAME TUBE		DATE		APPROVED		DATE	
DRAWING & PART NO. 13110							

LET	CHANGES	DATE	C'R	REF. NO.
F	TOL. ADDED	5-27-42		
E	NOTE REMOVED	5-27-42		
D	435/405 WAS 430/410	5-27-42		
C	CHAMFER ADDED	5-25-42		
B	420-430 WAS 419	5-21-42		
A	11/16 WAS 6.15-690	5-21-42		

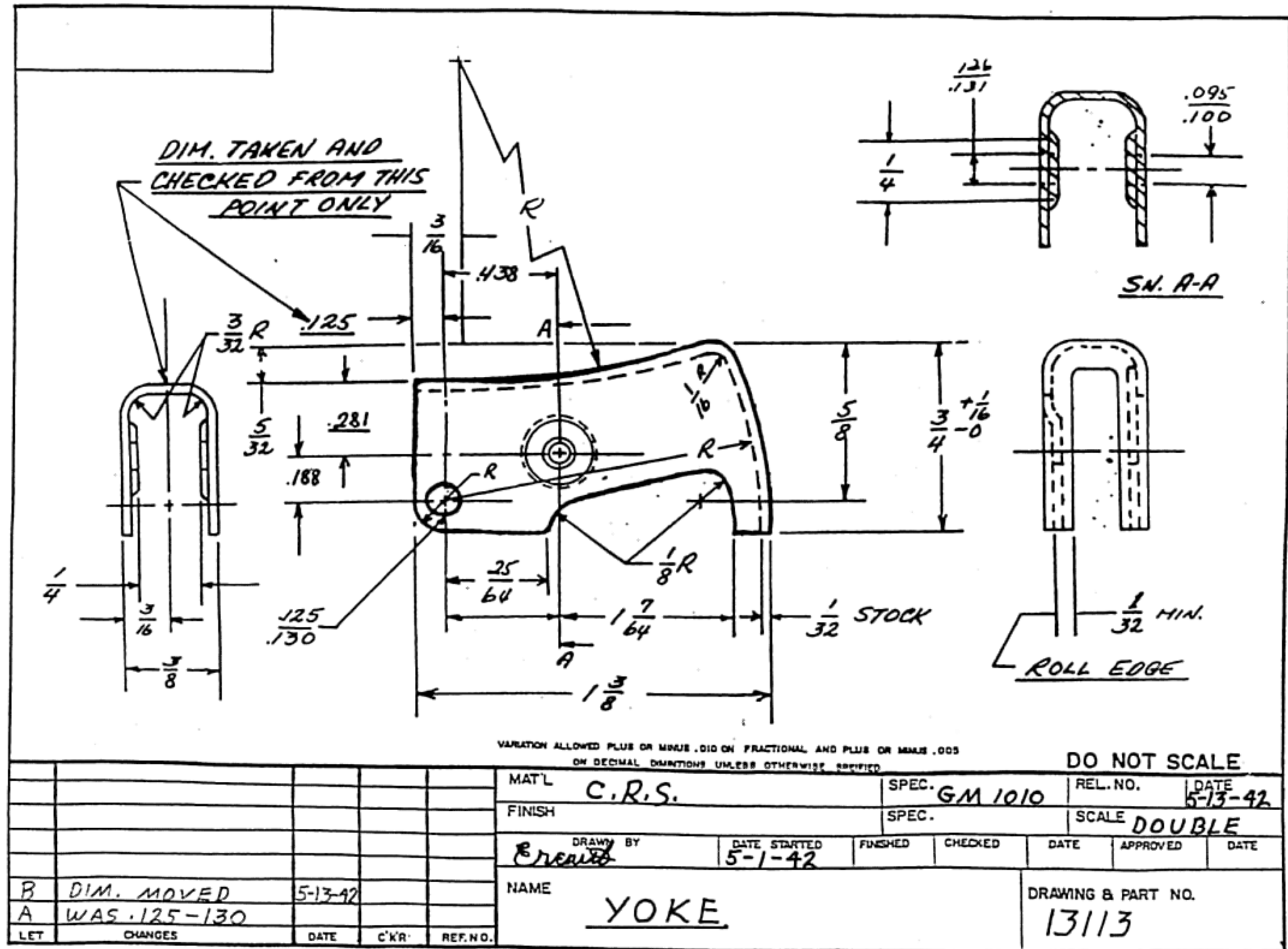
**GENERAL MOTORS CORPORATION
DAYTON, OHIO**



MAT'L C.R.S.		SPEC. HALF HARD 1010		REL. NO.	DATE 5-13-42
FINISH		SPEC.		SCALE FULL	
DRAWN BY Eric	DATE STARTED 5-8-42	FINISHED	CHECKED	DATE	APPROVED DATE 5-15-42
NAME SNAP COVER				DRAWING & PART NO. 13112	

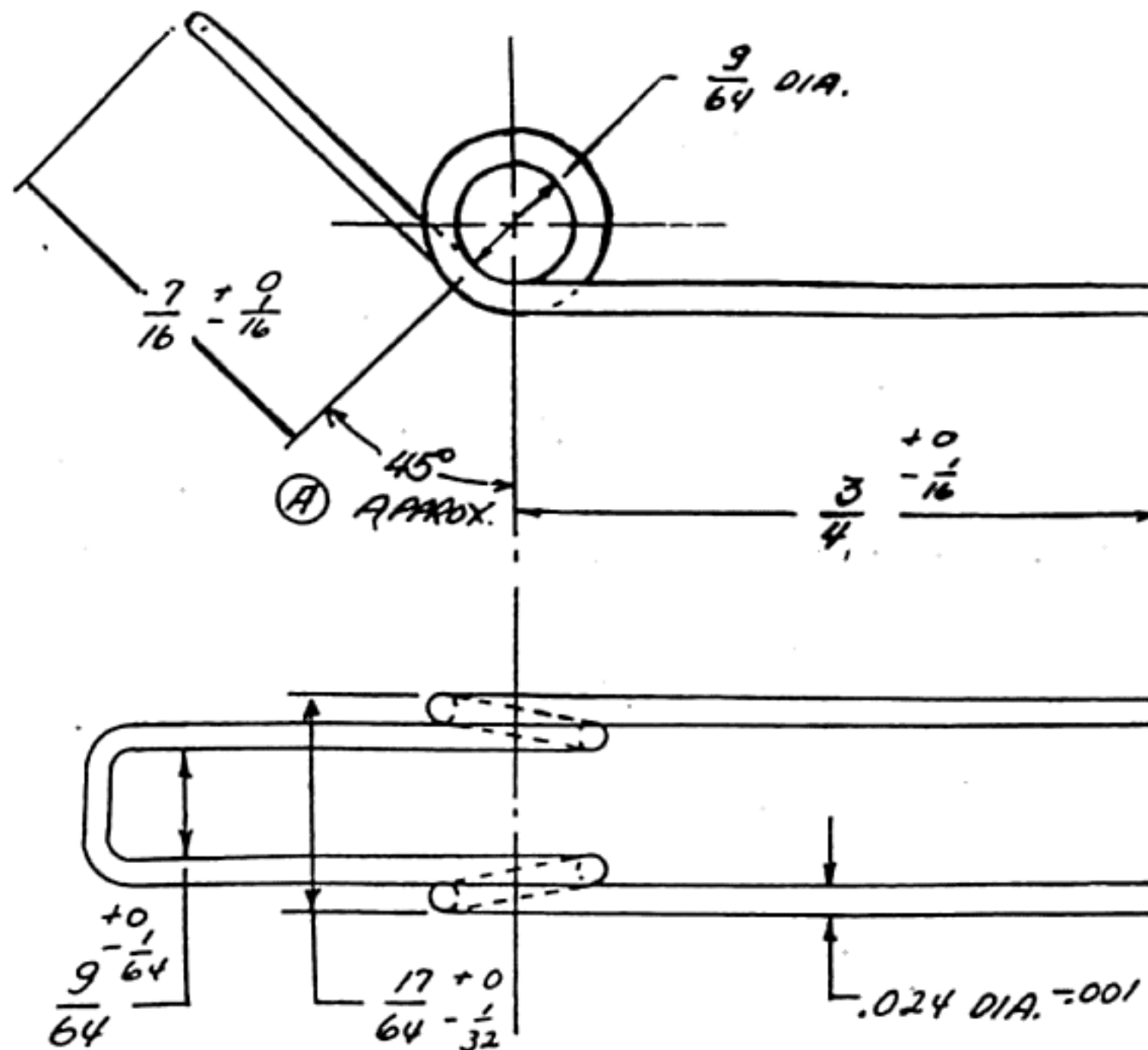
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GENERAL MOTORS CORPORATION
DAYTON, OHIO



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DAYTON, OHIO

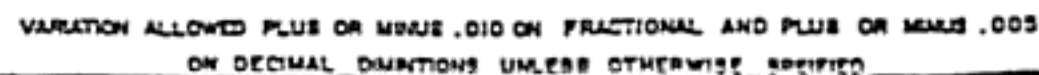


VARATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

				MAT'L MUSIC WIRE		SPEC.		REL. NO.		DATE 5-13-42	
				FINISH STRESS RELIEVE		SPEC.		SCALE 4X SIZE			
				DRAWN BY Erp		DATE STARTED 5-7-42		FINISHED		CHECKED	
								DATE		APPROVED	
				NAME YOKE SPRING		DRAWING & PART NO. 13115					
A 45° ADDED				DATE 5-13-42							
LET	CHANGES	DATE	C'R	REF. NO.							

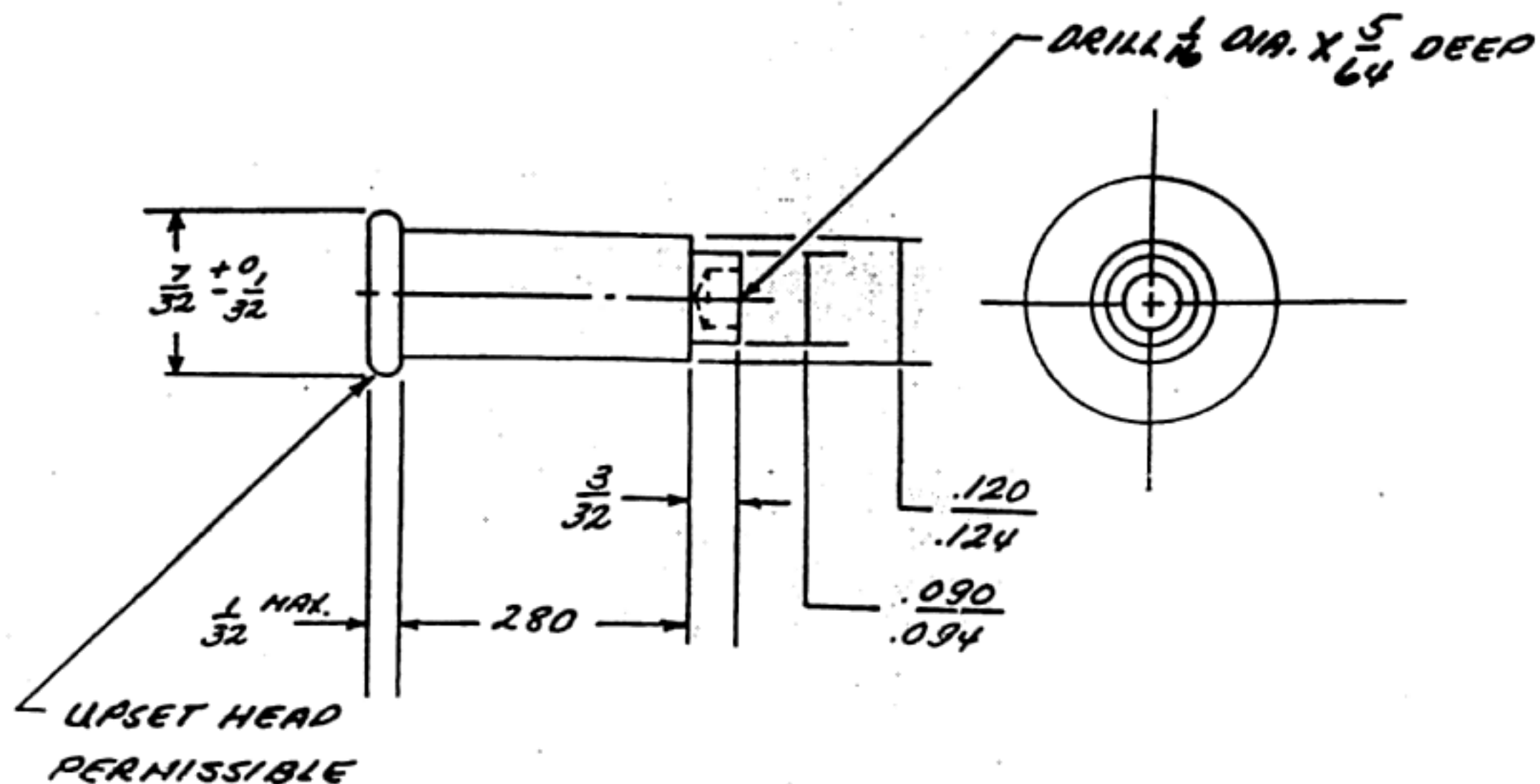
**GENERAL MOTORS CORPORATION
DAYTON, OHIO**



					MAT'L	C.R.S.	SPEC.	GM 1010	REL. NO.	DATE	
					FINISH	CASE .004-008	SPEC.		SCALE	4X SIZE	
					DRAWN BY	Everitt	DATE STARTED	5-17-42	FINISHED	CHECKED	
									DATE	APPROVED	
					NAME	YOKE LEVER				DRAWING & PART NO.	
										13114	
B	CAM REDESIGNED	7-9-42									
A	REDESIGNED	5-19-42	ALE								
LET	CHANGES	DATE	C'R	REF. NO.							

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GENERAL MOTORS CORPORATION
DAYTON, OHIO



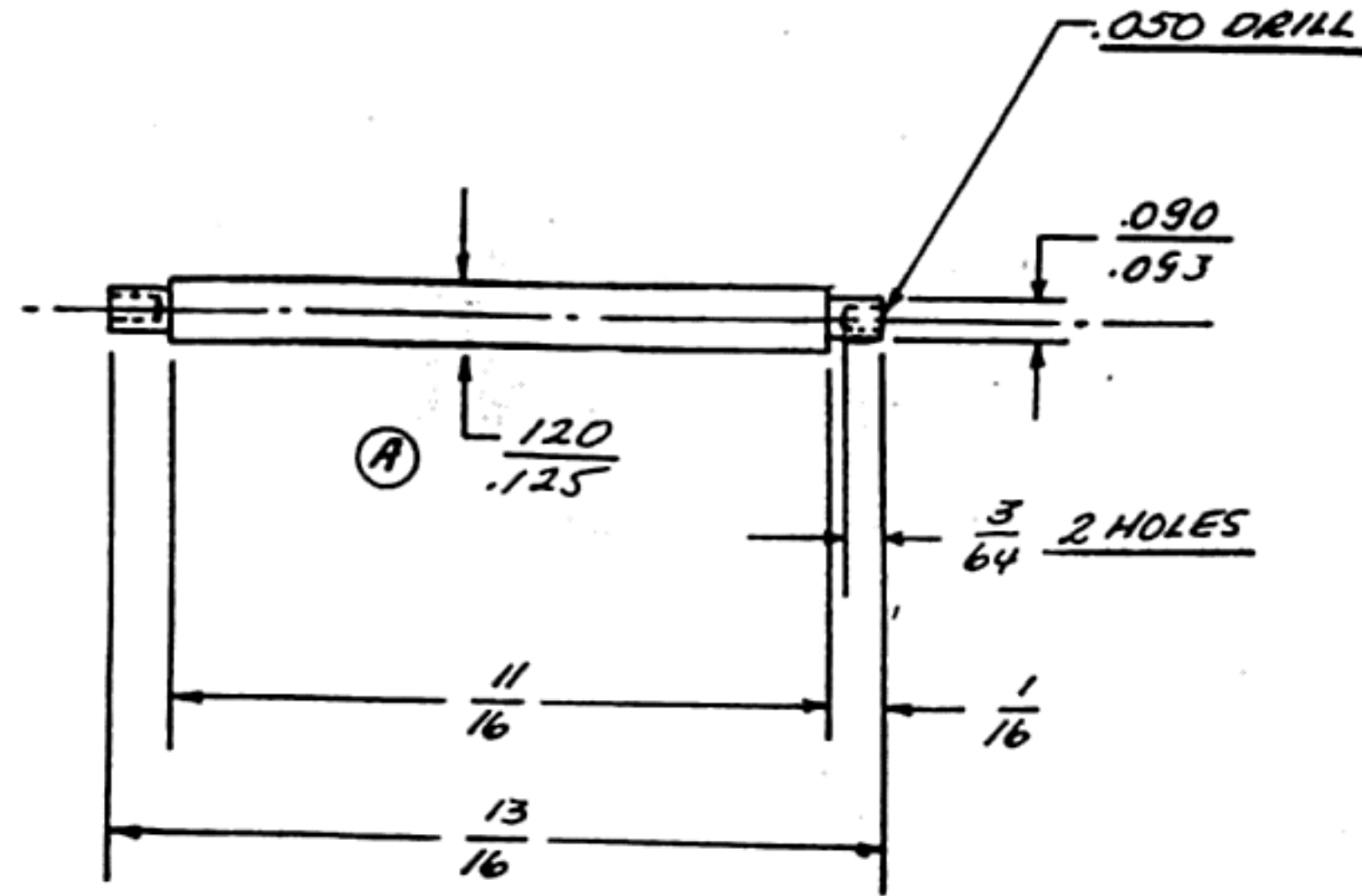
VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

				MAT'L C.R.S		SPEC.		REL. NO.		DATE 5-15-42	
				FINISH		SPEC.		SCALE 5 X SIZE			
				DRAWN BY Everitt		DATE STARTED 5-2-42		FINISHED		CHECKED	
								DATE		APPROVED	
				NAME SHOULDER RIVET						DATE 5-15-42	
A ADDED NOTE ON HEAD 5-15-42								DRAWING & PART NO. 13116			
LET	CHANGES	DATE	C'R	REF. NO.							

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO



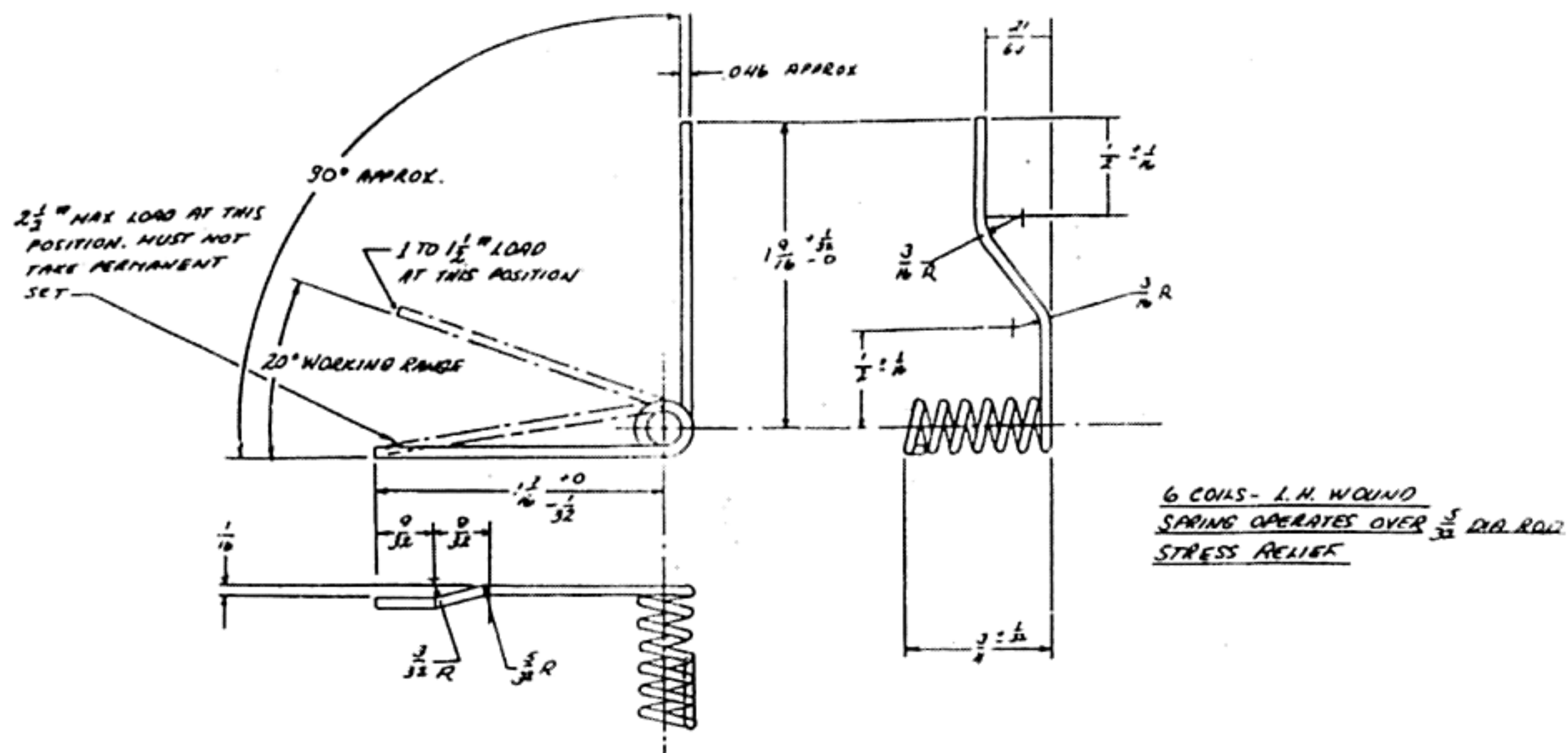
VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .003 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

				MAT'L <u>C.R.S.</u>		SPEC.		REL. NO.		DATE <u>5-13-42</u>	
				FINISH		SPEC.		SCALE <u>4X SIZE</u>			
				DRAWN BY <u>Crane</u>		DATE STARTED		FINISHED		CHECKED	
				NAME <u>RIVET YOKE</u>		DATE		APPROVED		DATE <u>5-15-42</u>	
A <u>STOCK DIA.</u>				DATE <u>5-15-42</u>							
LET	CHANGES	DATE	C'R	REF. NO.	DRAWING & PART NO. <u>13117</u>						

INLAND MANUFACTURING DIVISION

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DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

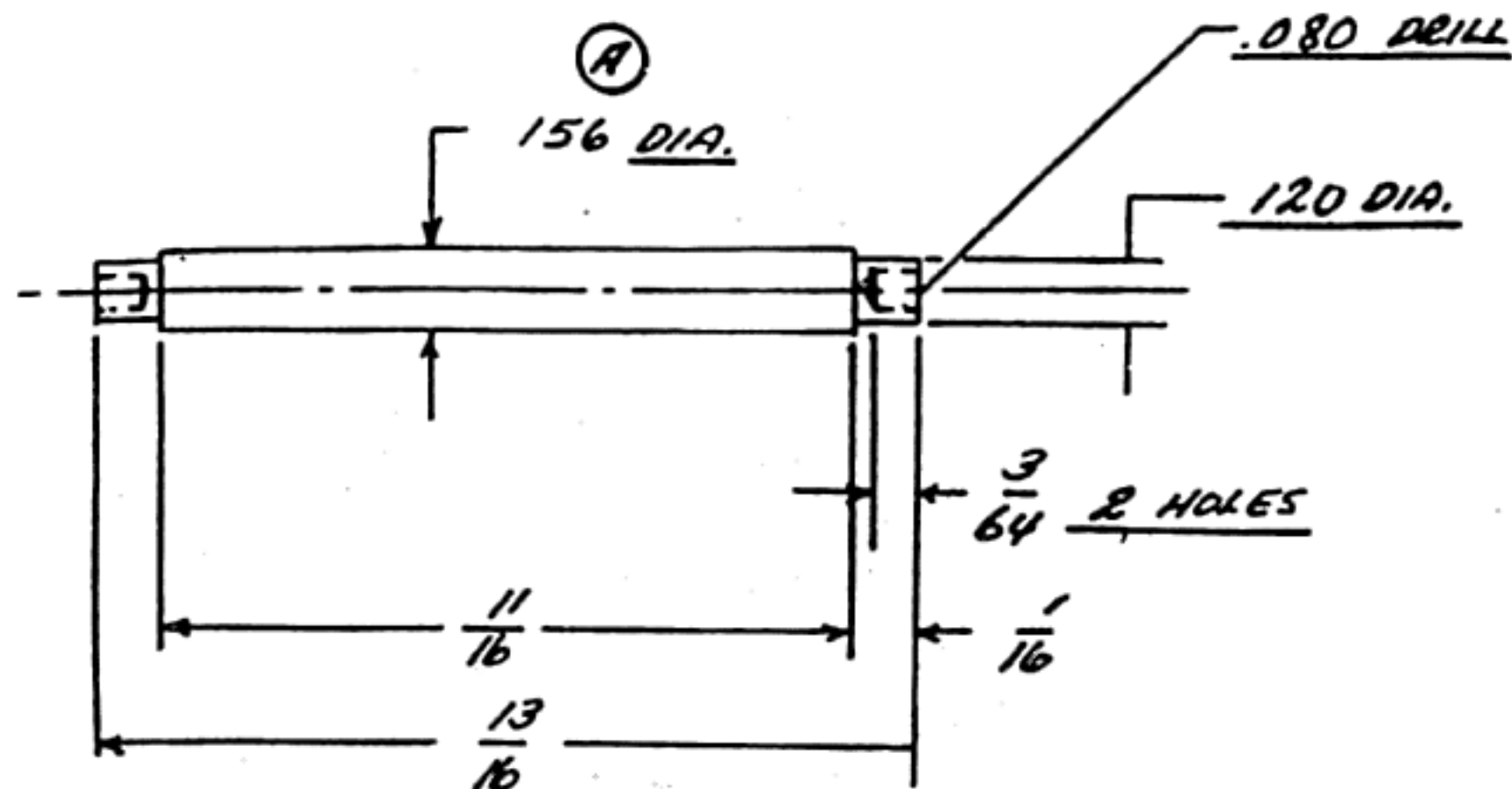
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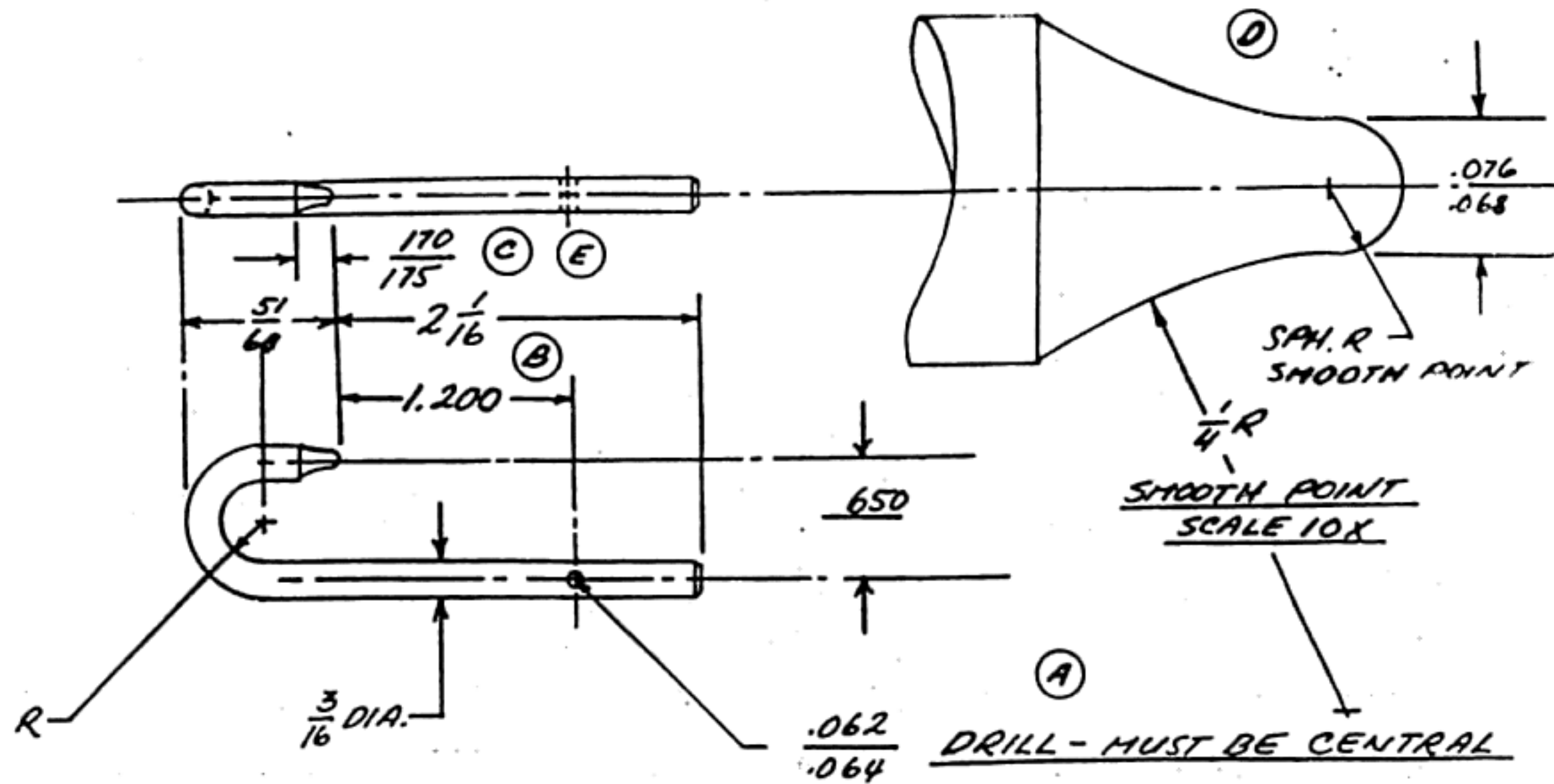
VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

				MAT'L C.R.S.		SPEC.		REL. NO.		DATE 5-13-42	
				FINISH		SPEC.		SCALE 4X SIZE			
				DRAWN BY <i>Ererib</i>		DATE STARTED 5-9-42		FINISHED		CHECKED	
								DATE		APPROVED DATE 5-13-42	
				NAME RIVET LOCK						DRAWING & PART NO. 13118	
A .156 WAS .165											
LET	CHANGES	DATE	C'R	REF. NO.							

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GENERAL MOTORS CORPORATION
DAYTON, OHIO

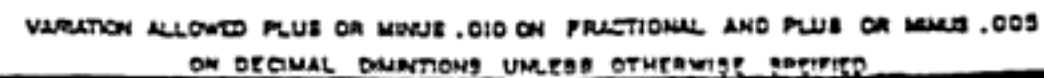


VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'R	REF. NO.	MAT'L	FINISH	SPEC.	REL. NO.	DATE
F	.002-.006 WAS .004-.008	6-1-42			COLD DRAWN WIRE		.0101 OR EQUIV		5-13-42
E	$\frac{76}{75}$ WAS .210	6-1-42			CYANIDE .002-.006 DEEP			SCALE FULL	
D	NOSE REVISED	5-21-42			DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE
C	.210 WAS .190	5-20-42			Ernest	5-5-42			5-15-42
B	1.200 WAS 1.250	5-20-42			NAME	DRAWING & PART NO.			
A	ADDED CENTRAL	5-15-42			CONTROL ROD	13120			

**GENERAL MOTORS CORPORATION
DAYTON, OHIO**

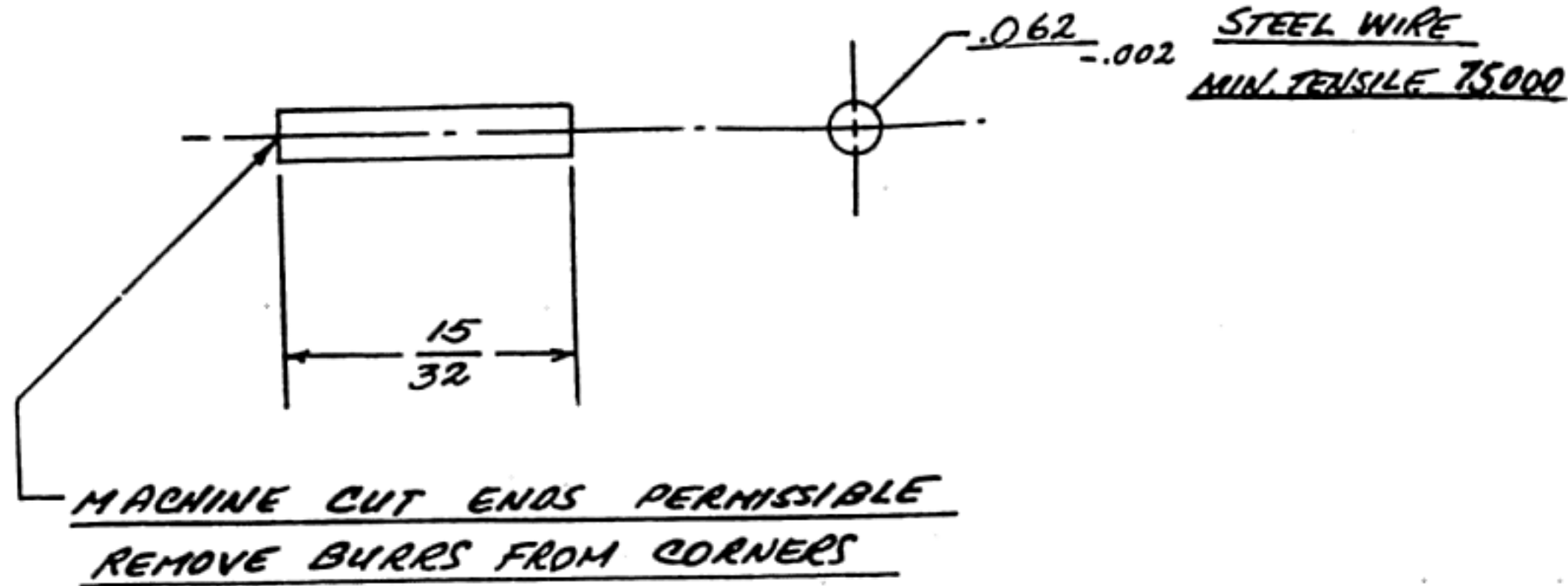


DO NOT SCALE.

					MAT'L	C.R.S. HALF HARD	SPEC.	GM 1010	REL. NO.	DATE	5-18-42
					FINISH		SPEC.		SCALE	DOUBLE	
					DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
					HAMISCH	5-18-42	5-18-42				
	.375 ADDED	5-21-42			NAME					DRAWING & PART NO.	
A	REDESIGNED 1/16 STOCK	5-18-42			ROD-GUIDE BRACKET				13121		
LET	CHANGES	DATE	C'R	REF. NO.							

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'R	REF. NO.	MAT'L	SPEC.	REL. NO.	DATE			
					AS NOTED			5-15-42			
					FINISH	SPEC.	SCALE	4X SIZE			
					DRAWN BY	DATE STARTED	FUNISHED	CHECKED	DATE	APPROVED	DATE
					5-2-42						5-15-42
NAME					DRAWING & PART NO.						
COLLAR PIN					13123						

GENERAL MOTORS CORPORATION

DAYTON, OHIO

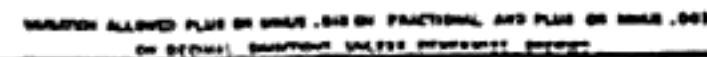


VARIAION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

				MAT'L	C.R.S.	SPEC.	SEE ABOVE	REL.NO.		DATE	5-15-42	
				FINISH	CYANIDE .009-.008	SPEC.		SCALE	A X SIZE			
				DRAWN BY	E. J. Smith	DATE STARTED	5-2-42	FINISHED	CHECKED	DATE	APPROVED	
											DATE	
B	CHAMFER ADDED	5-18-42		NAME	<u>COLLAR</u>						DRAWING & PART NO.	
A	ADDED NOTE	5-15-42									13122	
LET	CHANGES	DATE	C'R	REF.NO.								

**GENERAL MOTORS CORPORATION
DAYTON, OHIO**

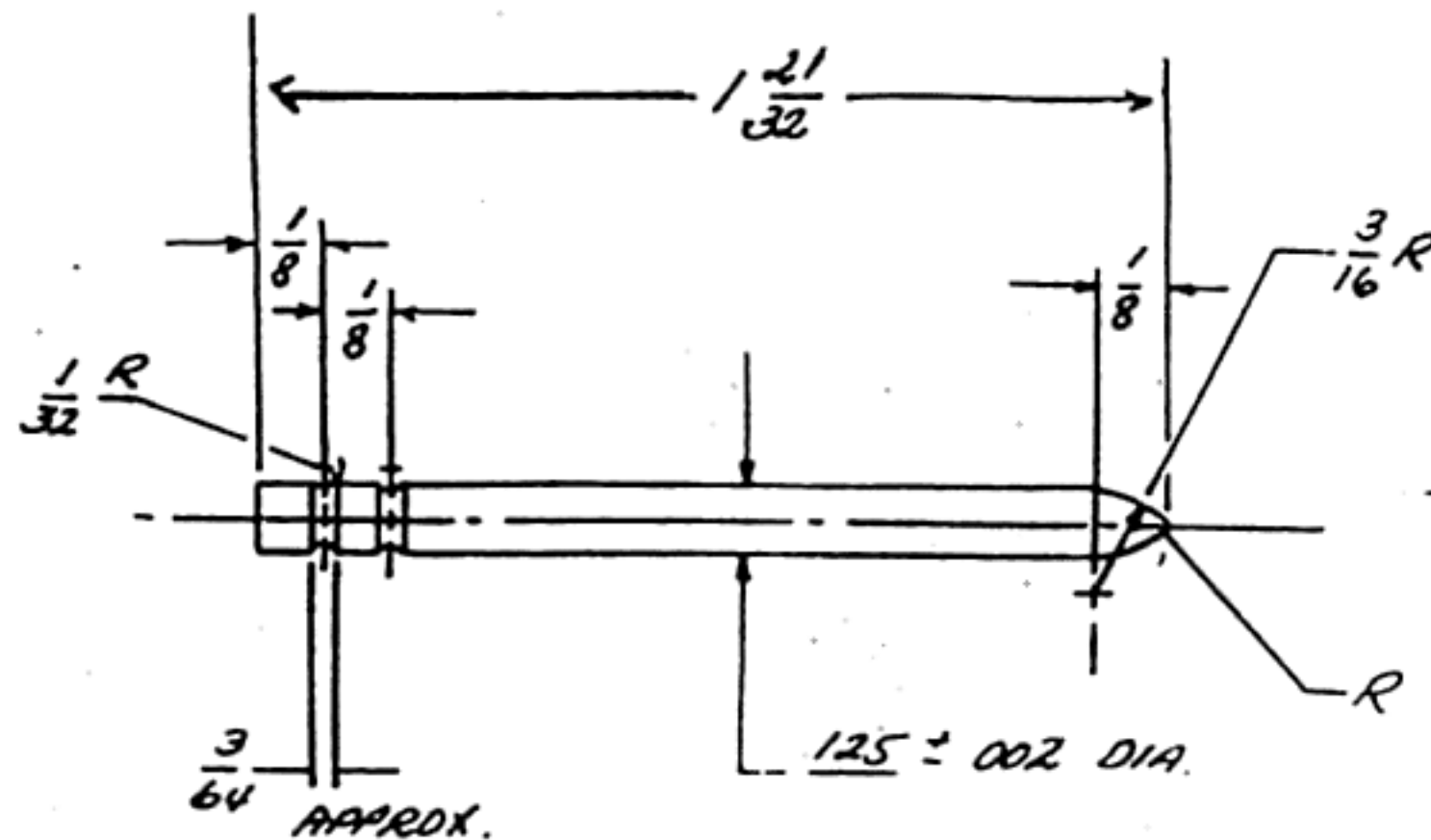


MATERIAL ZINC DIE CAST		SPEC.		REL. NO.		DATE	
FINISH		SPEC.		SCALE 2X SIZE			
DRAWN BY HAMISCH		DATE STARTED 7-6-42		FINISHED		CHECKED	
NAME		DATE		DATE		APPROVED	
CONTROL ROD ASSEM.				DRAWING & PART NO. 13124			

[illegible]

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO

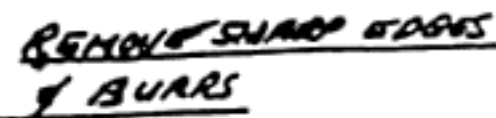


VARATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

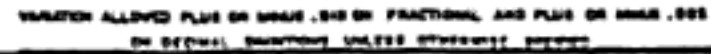
LET	CHANGES	DATE	C'R	REF. NO.	MAT'L	C.R.S	SPEC.	REL. NO.	DATE		
					FINISH		SPEC.	SCALE	2X SIZE		
					DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
					NAME	GUIDE PIN				DRAWING & PART NO.	
										13124-1	

**GENERAL MOTORS CORPORATION
DAYTON, OHIO**



TOLERANCE ALLOWED PLUS OR MINUS .015 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED						DO NOT SCALE	
MAT'L C.R.S.			SPEC. GM 1010		REL. NO.	DATE 5-13-42	
FINISH			SPEC.		SCALE FULL		
DESIGNED BY Evers	DATE STARTED 5-5-42	FURNISHED	CHECKED	DATE	APPROVED	DATE 5-5-42	
NAME <u>SPANNER</u>				DRAWING & PART NO. 13126			

**GENERAL MOTORS CORPORATION
DAYTON, OHIO**



O	6EDIMENSIONED	7-17-42			W	195/19W WAS 190/19W	5-21-42		
N	VIEW REMOVED	7-17-42			F	ANGLE ADDED	5-17-42		
M	VIEW ADDED	7-13-42			E	7/42 WAS 3/16	"		
L	SLOT ADDED	7-3-42			D	.950 CHANGED	"		
K	NOTE REMOVED	"			C	13/32 WAS 3/8	5-15-42		
J	.030 WAS 0.06	"			B	12/32 WAS 1/2	5-15-42		
H	ADDED NOTES TOL.	1-15-42			A	7/32 WAS 1/16	5-14-42		
LET	CHANGES	DATE	C&N	REF.NO.	LET	CHANGES	DATE	C&N	REF.NO.

13125

GENERAL MOTORS CORPORATION
DAYTON, OHIO



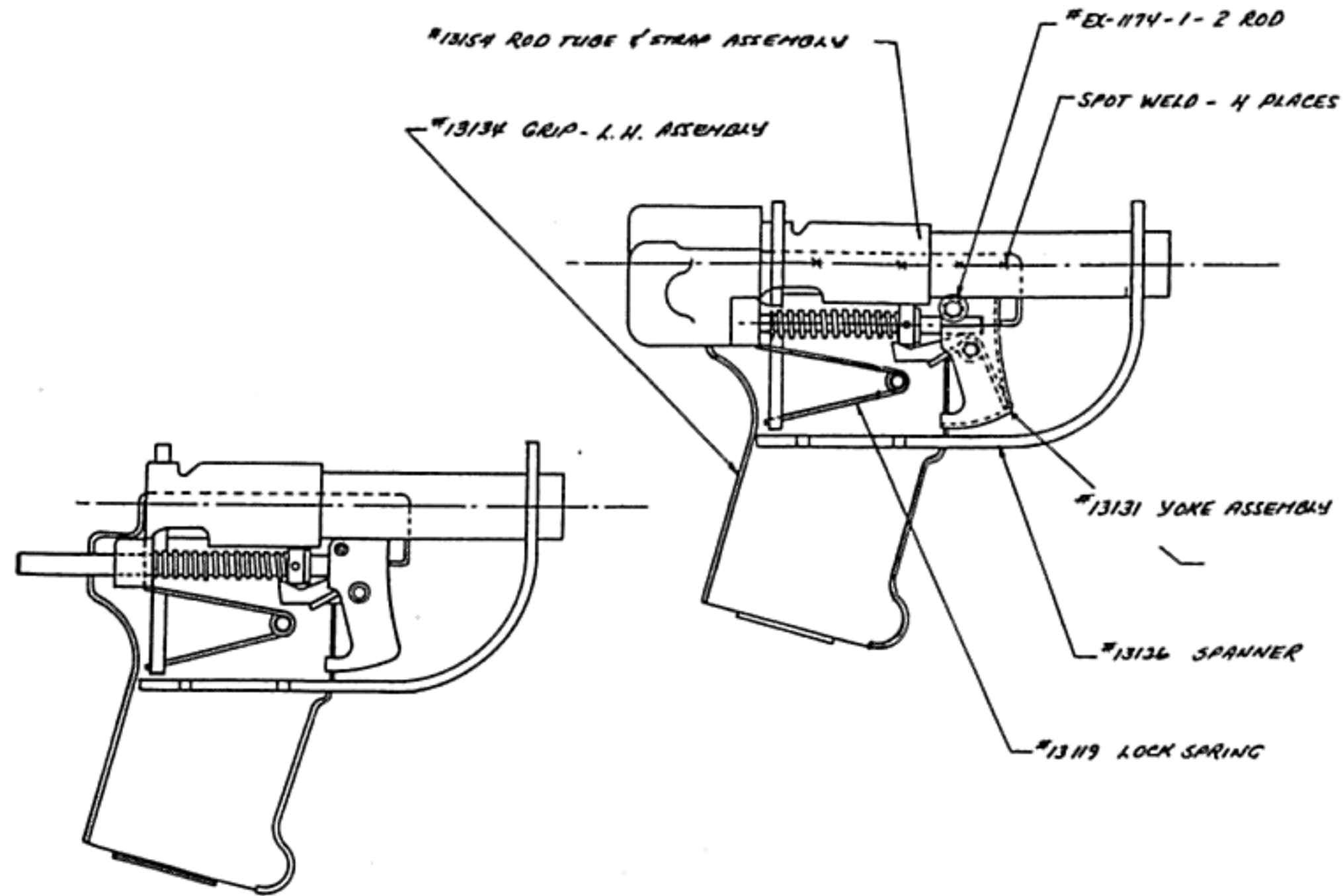
G	2 3/4 WAS 3 1/2			
F	1 1/4 WAS 1 1/2			
E	.R ADDED			
D	ADDED TO L. TR 1/2 D HOLE	5-15-42		
C	3/2 WAS 1 1/2	5-15-42		
B	.LTC WAS .LKO	5-14-42		
A	1/4 HOLE ADDED	5-14-42		
LET	CHANGES	DATE	C'S	REF. NO.

DO NOT SCALE

MAT'L C.R.S. HALF HARD		SPEC. G-M 1010		REL. NO.		DATE 5-15-42	
FINISH		SPEC.		SCALE DOUBLE			
DRAWN BY Evans		DATE STARTED 5-7-42		FINISHED		CHECKED	
				DATE		APPROVED	
						DATE 5-15-42	
NAME COVER-SLIDE				DRAWING & PART NO. 13127			

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO



OPTIONAL CONSTRUCTION
SAME AS ABOVE EXCEPT OPTIONAL ROD TUBE & STRAP ASSY.

LET	CHANGES	DATE	C/N	REF. NO.	LET	CHANGES	DATE	C/N	REF. NO.

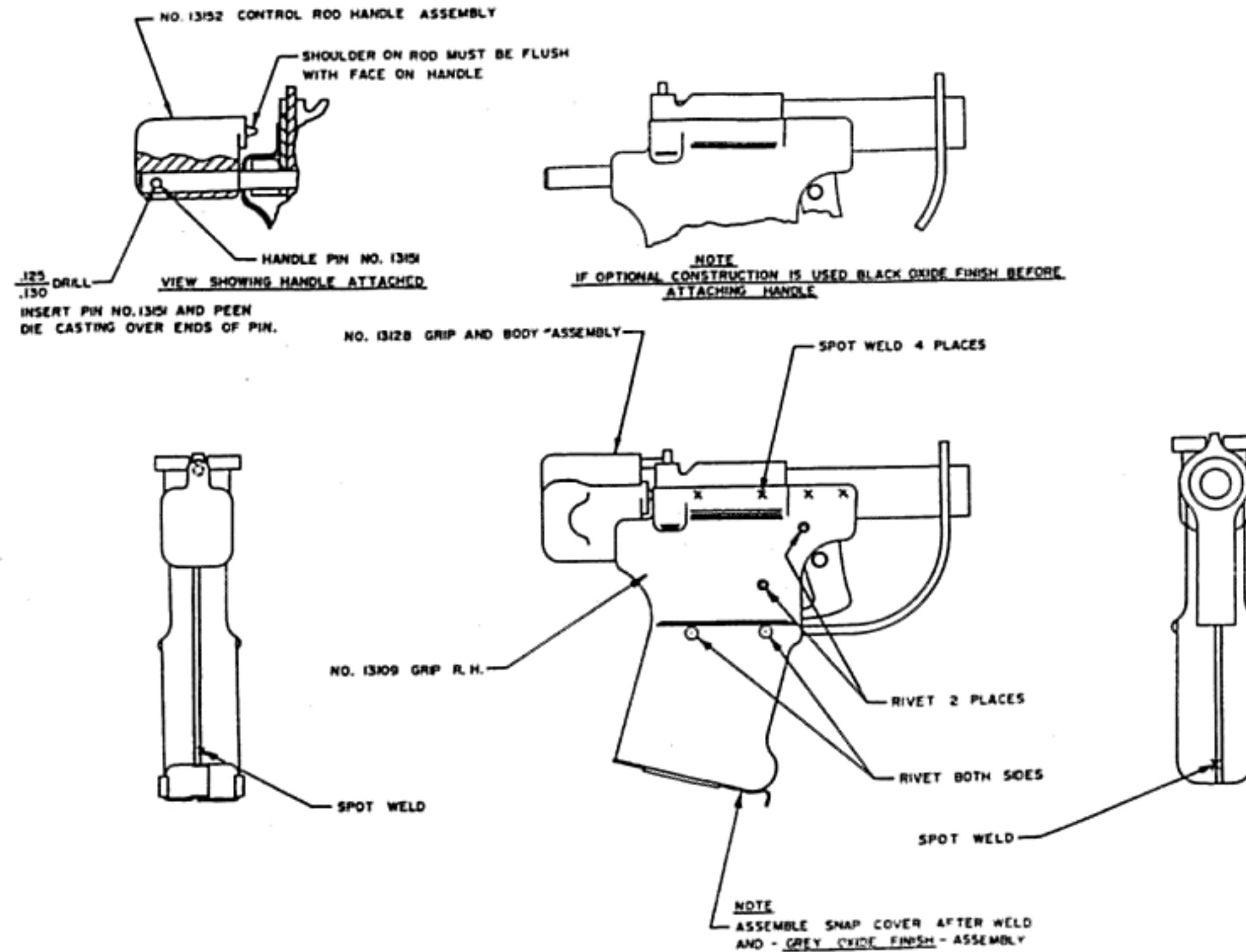
UNLESS ALLOWED PLUS OR MINUS .010 OR FRACTIONAL AND PLUS OR MINUS .005
ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

MAT. L.	SPEC.	REL. NO.	DATE
			5-15-42
FINISH	SPEC.	SCALE	FULL
DRAWN BY	DATE STARTED	FINISHED	CHECKED
HAMISCH	5-13-42		
NAME	GRIP AND BODY ASSEMBLY		DRAWING & PART NO.
			13128

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO

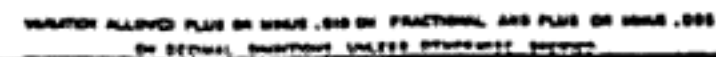


MAXIMUM ALLOWED PLUS OR MINUS .005 IN FRACTIONAL AND PLUS OR MINUS .005 IN DECIMAL, UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

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GENERAL MOTORS CORPORATION
DAYTON, OHIO



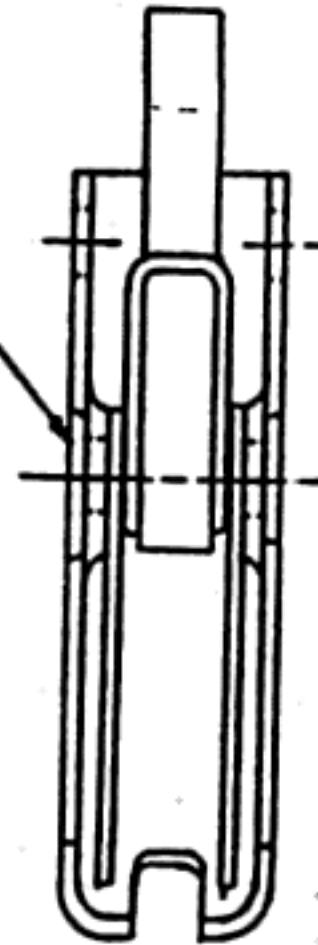
LFT	CHANGES	DATE	C/N	REF.NO.	LFT	CHANGES	DATE	C/N	REF.NO.

MATERIAL		SPEC.		REL. NO.		DATE 5-15-42	
FINISH		SPEC.		SCALE			
DRAWN BY HAMISCH		DATE STARTED 5-13-42		FINISHED		CHECKED	
				DATE		APPROVED	
						DATE 5-15-42	
NAME <u>BODY AND MECHANISM ASSEMBLY</u>				DRAWING & PART NO. 13129			

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO

RIVET SECURELY

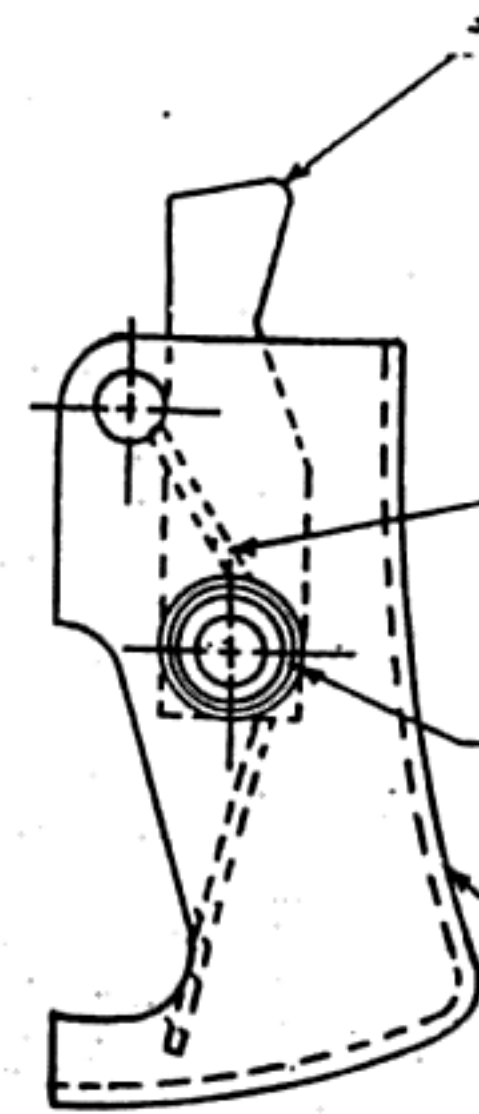


*13114 YOKE LEVER

*13115 YOKE SPRING

*13116 SHOULDER RIVET

*13113 YOKE



VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

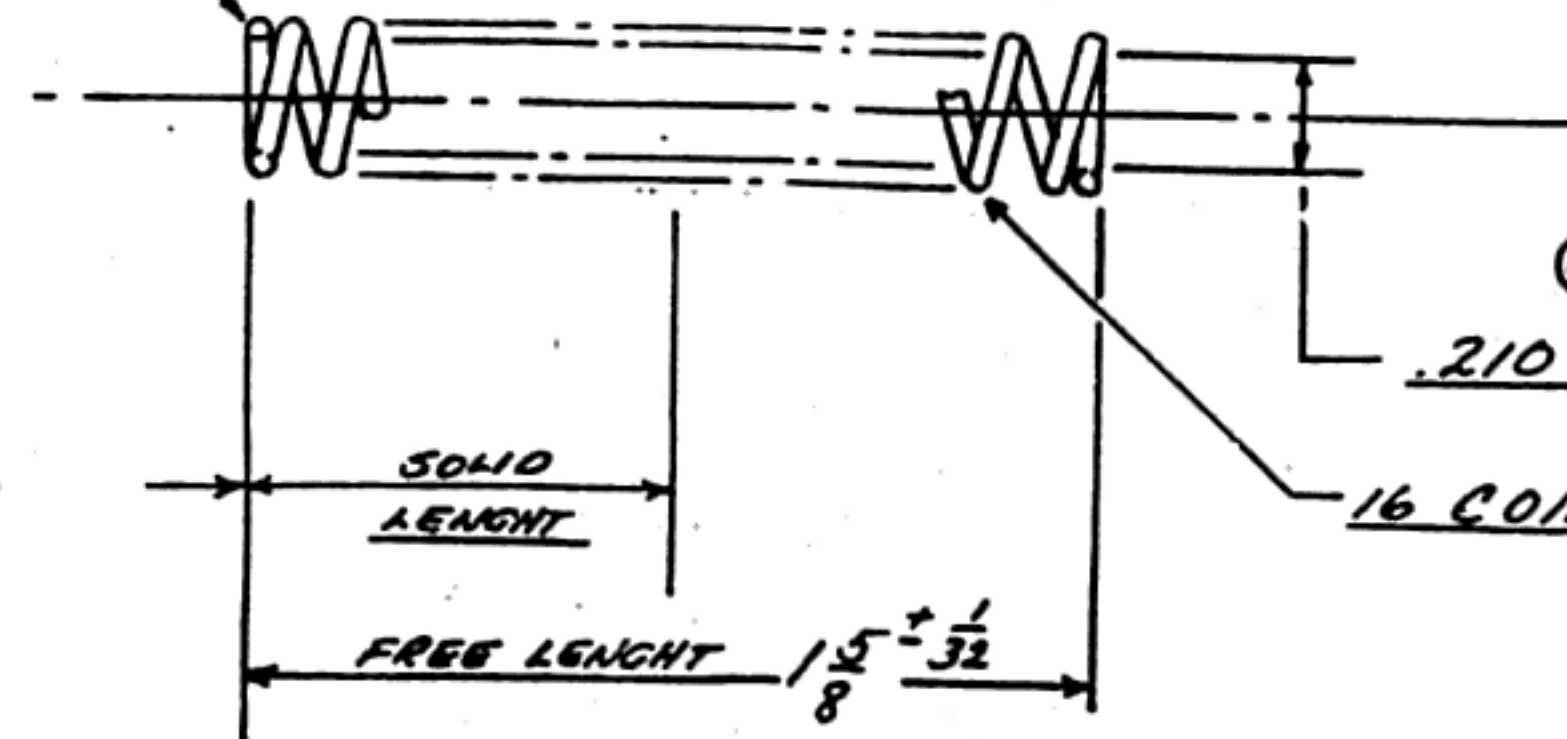
				MAT'L		SPEC.		REL. NO.		DATE 5-13-42	
				FINISH		SPEC.		SCALE			
				DRAWN BY HAMISCH		DATE STARTED 5-13-42		FINISHED		CHECKED	
								DATE		APPROVED	
										DATE 5-15-42	
				NAME YOKE ASSEMBLY						DRAWING & PART NO. 13131	
A REVISED TO DETAIL 5-22-42											
LET	CHANGES	DATE	C'R	REF. NO.							

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION
DAYTON, OHIO

$\frac{11}{16}$ AT 13 ± 2 # LOAD
(D) (F)
(J) (H)

BOTH ENDS CLOSED AND GROUND SQUARE



16 COILS .043 WIRE

.210 I.D.

(A) (G) (H) (L)

(B)
(E) (K)

OPERATES OVER $\frac{3}{16}$ DIA. ROD

M	13±2# WAS 20±2#	8-7-42		
L	15/8 WAS 1 28/32			
K	.043 WAS .046	7-9-42		
J	11/16 AT 20# WAS 23/32 AT 28#	"		
H	1 29/32 WAS 1 23/32	"		
G	WAS 1 29/32	6-18-42		
F	WAS 11/16 @ 20±1.	6-18-42		
E	WAS .043 WIRE	6-18-42		
D	20# WAS 12#	5-10-42		
C	.210 WAS .206	"		
B	.043 WAS .062	"		
A	1 29/32 WAS 1 25/32	"		
LET	CHANGES	DATE	C'R	REF. NO.

VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

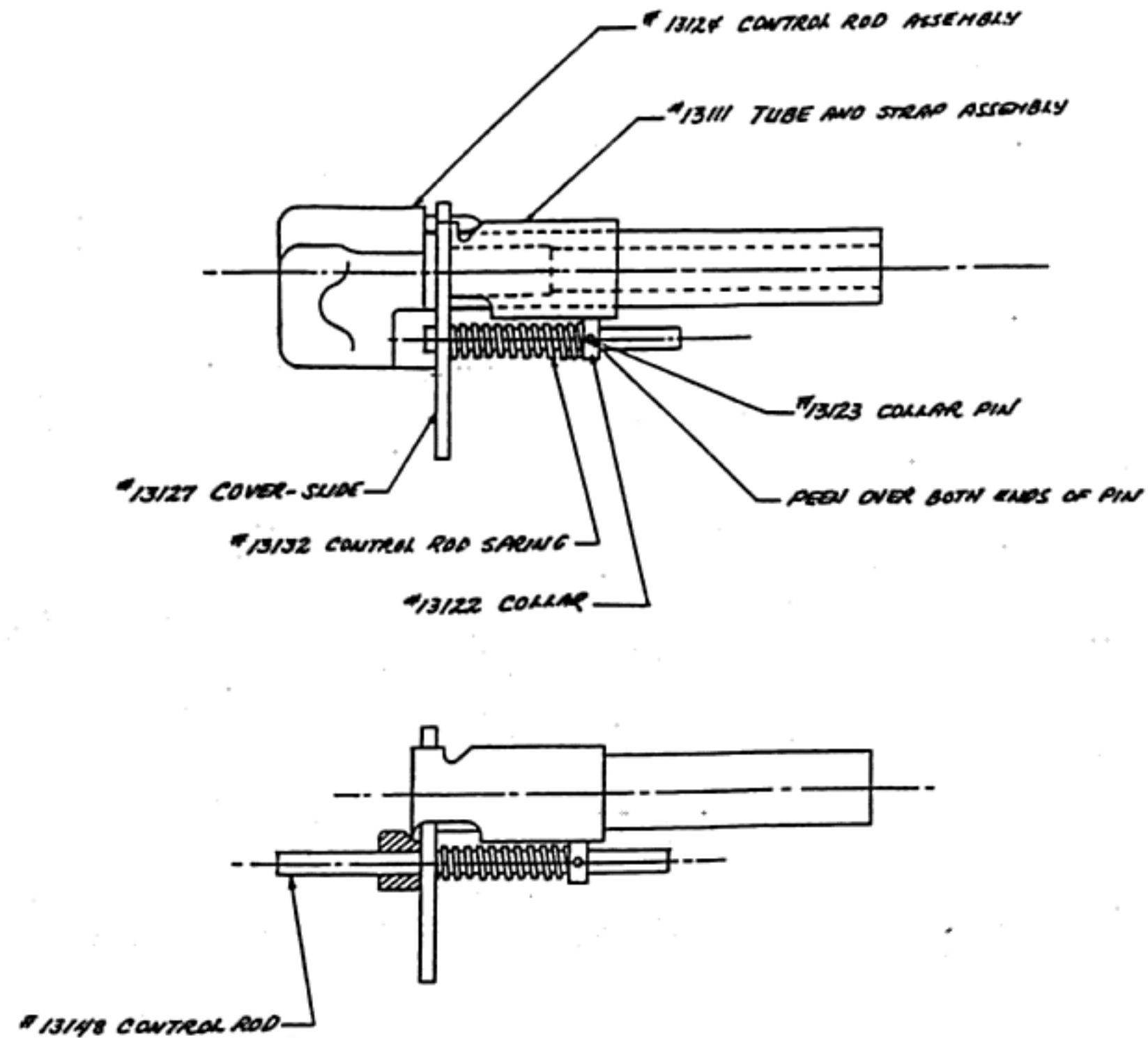
DO NOT SCALE.

MAT'L MUSIC WIRE		SPEC.		REL. NO.		DATE 5-13-42	
FINISH STRESS RELIEVE		SPEC.		SCALE DOUBLE			
DRAWN BY Erwin		DATE STARTED 5-15-42		FINISHED		CHECKED	
NAME CONTROL ROD SPRING		DATE		APPROVED		DATE	
DRAWING & PART NO. 13132							

INLAND MANUFACTURING DIVISION

GENERAL MOTORS CORPORATION

DAYTON, OHIO



OPTIONAL CONSTRUCTION
SAME AS ABOVE EXCEPT AS SHOWN

VARIES ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005
 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

										MATERIAL		SPEC.		REL. NO.		DATE	
										FINISH		SPEC.		SCALE		FULL	
										DRAWN BY		DATE STARTED		FINISHED		CHECKED	
										HAMISCH		5-19-92					
										NAME				DATE		APPROVED	
										ROD TUBE AND STRAP ASSEM				DRAWING & PART NO.		13154	
										REVISED TO DETAIL		7-9-92					
LET	CHANGES	DATE	CVR	REF. NO.	LET	CHANGES	DATE	CVR	REF. NO.								

GENERAL MOTORS CORPORATION
DAYTON, OHIO

					A	REVISED TO DETAIL	7/10/62		
LFT	CHANGES	DATE	CYB	REF.NO.	LFT	CHANGES	DATE	CYB	REF.NO.

WALSHEN ALLOWED FIVE ON HOLE .010 ON FRACTIONAL AND FIVE ON HOLE .005
ON D(744). BARTON'S \$4,700 STAYED AT 100%.

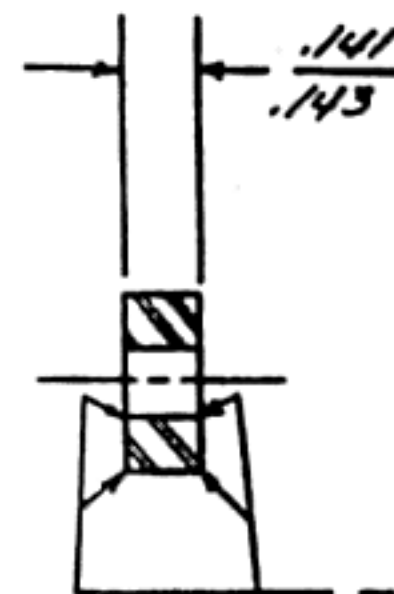
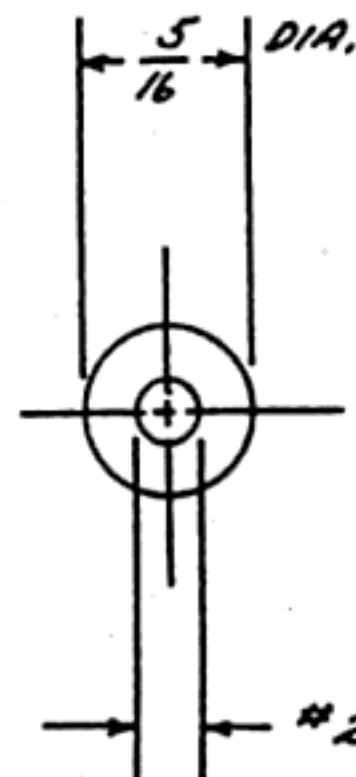
MATERIAL		SPEC.		REL. NO.		DATE	
FINISH		SPEC.		SCALE			
DRAWN BY		DATE STARTED		FINISHED		CHECKED	
				DATE		APPROVED	
						DATE	
NAME <u>LIST OF PARTS AND ASSEM</u>				DRAWING & PART NO.			
<u>FLARE PROJECTOR</u>				<u>13133</u>			

Part No.	Part Name	No. Req'd	Remarks
13124	CONTROL ROD ASSEM.	1	DIE CAST
13111	TUBE AND STRAP ASSEM.	1	
13128	GRIP AND BODY ASSEM.	1	
13130	BODY ASSEM.	1	
13131	YOKE ASSEM.	1	
13154	ROD TUBE AND STRAP ASSEM.	1	
13134	GRIP L.H. ASSEMBLY	1	
13132	CONTROL ROD INHIBIT. ASSEM. —(OPTIONAL DESIGN)—	1	

INLAND MANUFACTURING DIVISION

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VARIATION ALLOWED PLUS OR MINUS .010 ON FRACTIONAL AND PLUS OR MINUS .005 ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED

DO NOT SCALE

LET	CHANGES	DATE	C'R	REF. NO.	MAT'L	C.D. STEEL	SPEC	M-237	REL. NO.	DATE	
					FINISH		SPEC.		SCALE	2X SIZE	
					DRAWN BY	DATE STARTED	FINISHED	CHECKED	DATE	APPROVED	DATE
					NAME	SPACER				DRAWING & PART NO.	
									EX-1174-1		

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