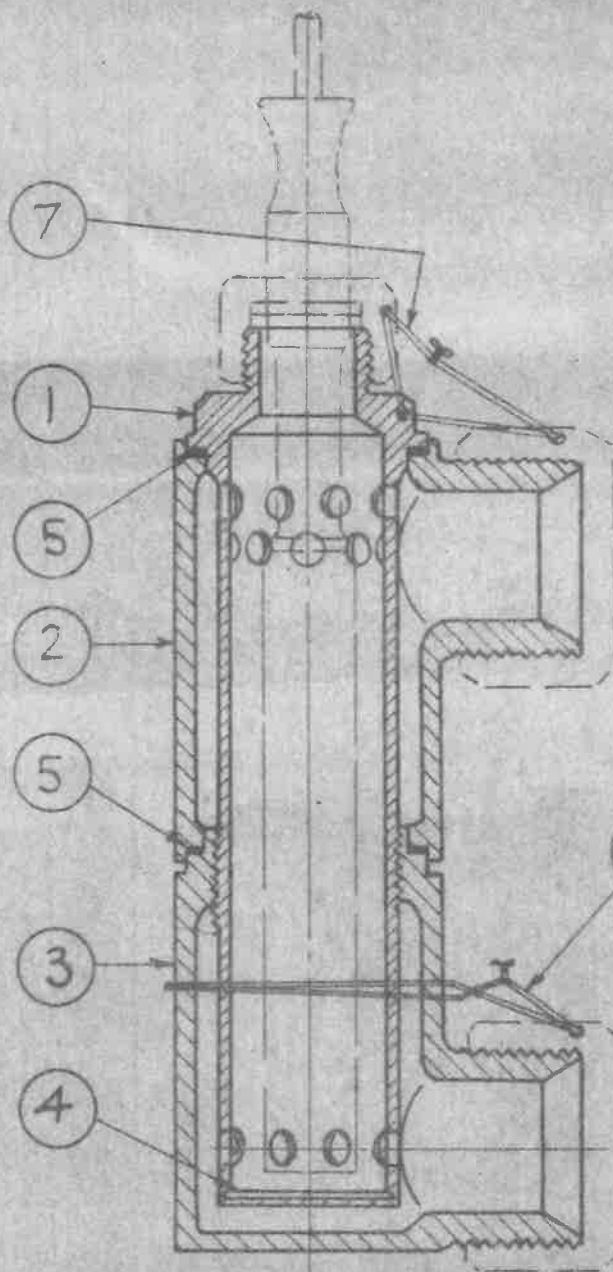


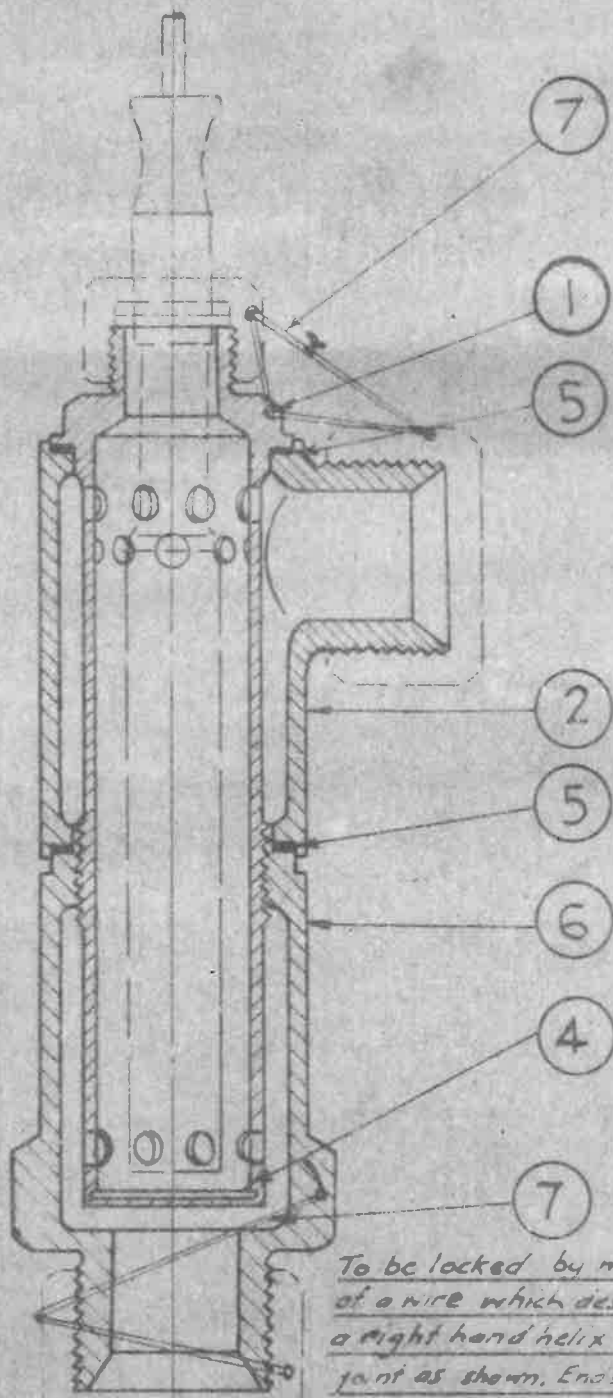
This Drawing may only be used for the manufacture of articles to be supplied to the Air Ministry

AIR MINISTRY A.G.S. No. 942

SHEET No. 1 | No. of SHEETS 3



UNIVERSAL TYPE
AGS. 942/A



ELBOW TYPE
AGS 942/B

To be locked by means of a wire which describes a right hand helix round joint as shown. Ends of wire to be bent over

PART NO.	A.G.S. NO.	DESCRIPTION	NO OFF	REMARKS
1	942/1	Sleeve	1	
2	942/2	Body Casting	1	
4	942/4	End Plug	1	
5	N.D.	Fibre Washer	2	13° 0' x 1.05" Dia x 1/32"
7	N.D.	Locking Wire	15 Recd	See A.G.S. No. 769
3	942-3	Body Casting	1	For Assembly A
6	942-6	Union Body (Alternative)	1	For Assembly B

Test Pressure - The Complete Pocket is to withstand a Hydraulic Test Pressure of 150 lb. per sq. inch.

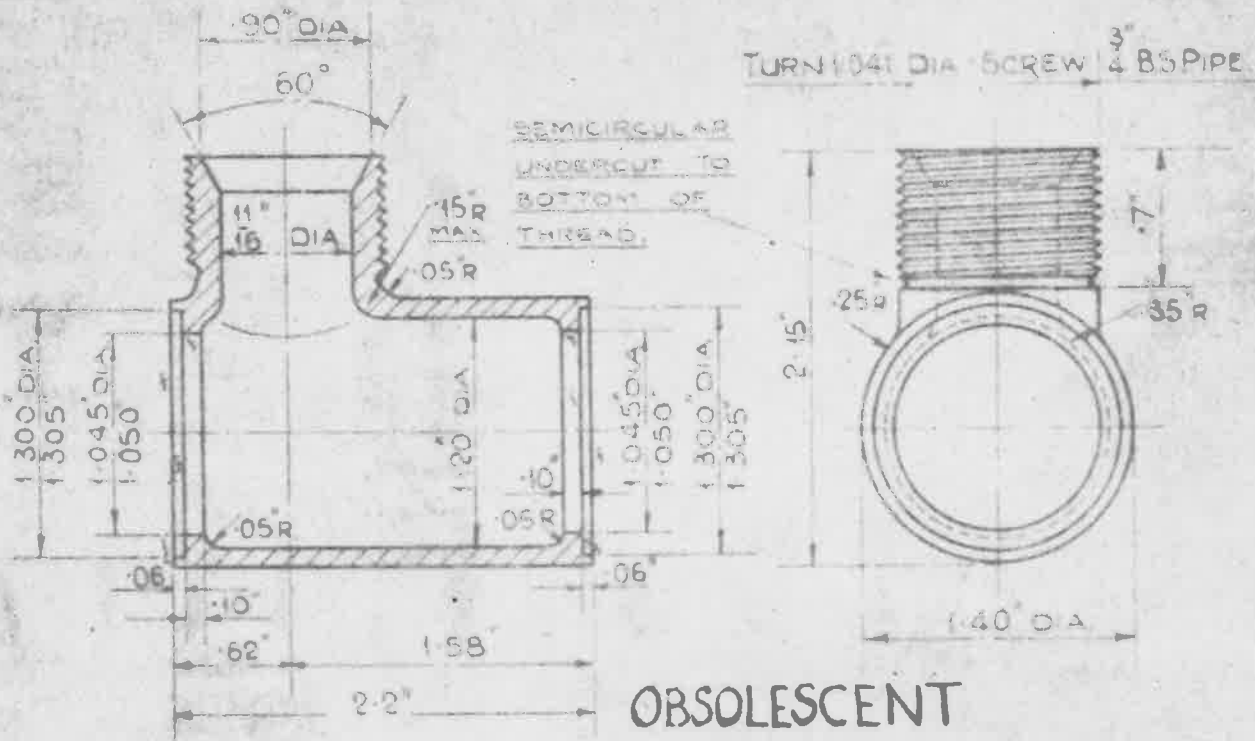
OBSOLESCENT. NO FURTHER MANUFACTURE - EXISTING STOCKS MAY BE USED UP.

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE - OIL THERMOMETER POCKET 3/4" B.S. PIPE				REPLACES FOR A.P.C. R.S. Harvey (U.S.)	DRAWN I. Hall	TRACED M
	JE No.	X	2	3	4	CHECKED E.C.S.	13.1.36
	DATE	-	-	AGS 942/A	13.1.36	13.1.36	13.1.36

SCREW THREADS TO BE IN ACCORDANCE WITH B S SPEC 84-1940 FOR B S P MEDIUM FIT

AIR MINISTRY AGS No. 942
SHEET No. 2 No. OF SHEETS 3

511886/36



BODY CASTING PART 2

MATERIAL :- ALUMINIUM

SPEC NOLS, L33 OR DTD. 424 (LATEST ISSUES)

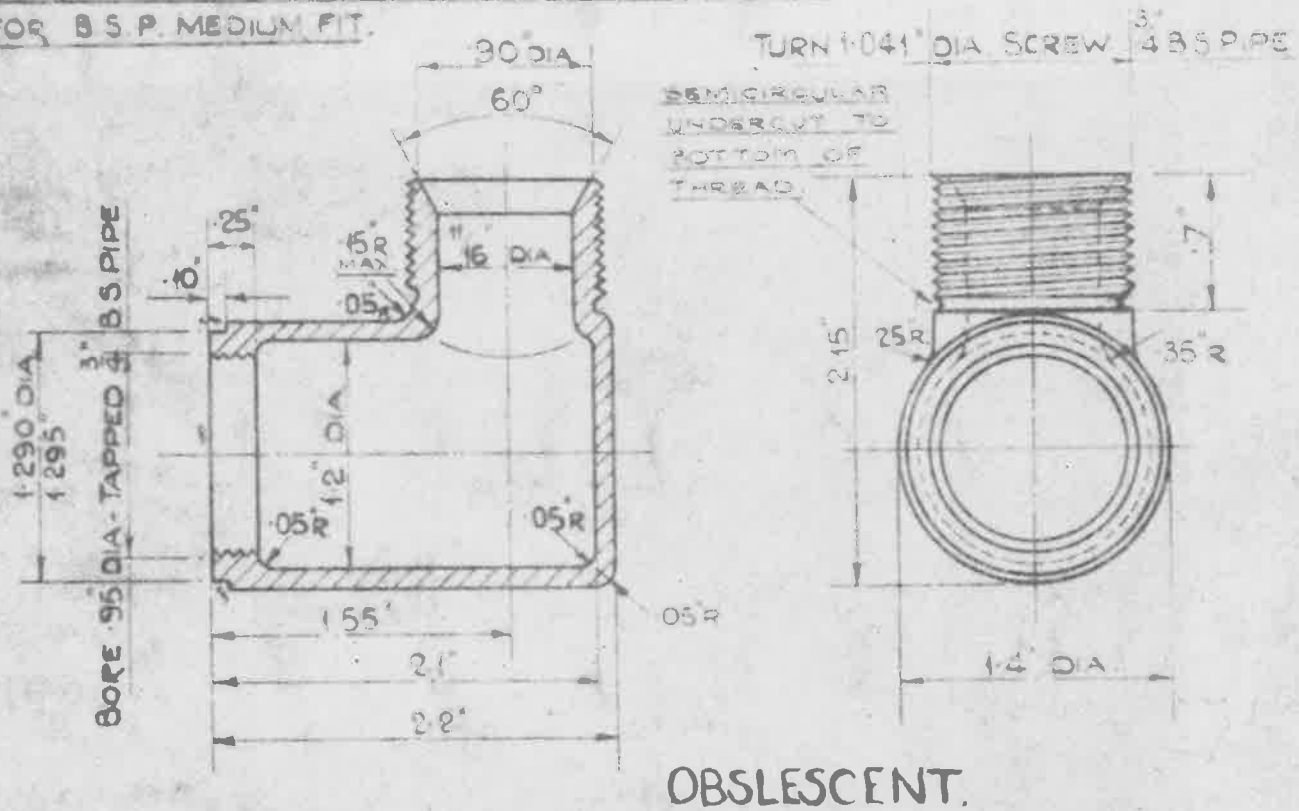
CLASS 3 CASTING
SEE DRAWING NO AD 5528-3 (LATEST ISSUE)
MACHINE TO F MARKS

FINISH:-

TO BE ANODISED TO DTD SPEC: 910 (LATEST ISSUE)

SCALE :- FULL SIZE.

SCREW THREADS TO BE IN ACCORDANCE WITH B S SPEC 84-1940 FOR B S P. MEDIUM FIT.



BODY CASTING - PART 3

MATERIAL :- ALUMINIUM

SPEC NOLS, L33 OR DTD. 424 (LATEST ISSUES)

CLASS 3 CASTING
SEE DRG. NO AD 5528-3 (LATEST ISSUE)
MACHINE TO F MARKS

FINISH:-

TO BE ANODISED TO DTD SPEC: 910 (LATEST ISSUE)

SCALE :- FULL SIZE

ISSUED BY DRAWING OFFICE
DIRECTORATE OF
TECHNICAL DEVELOPMENT
AIR MINISTRY

TITLE :- OIL THERMOMETER POCKET,
3/4 B S PIPE

ISSUE No 431 2AS 323 A E
ALTERATION No 317 188 305/162 135 AGH/24

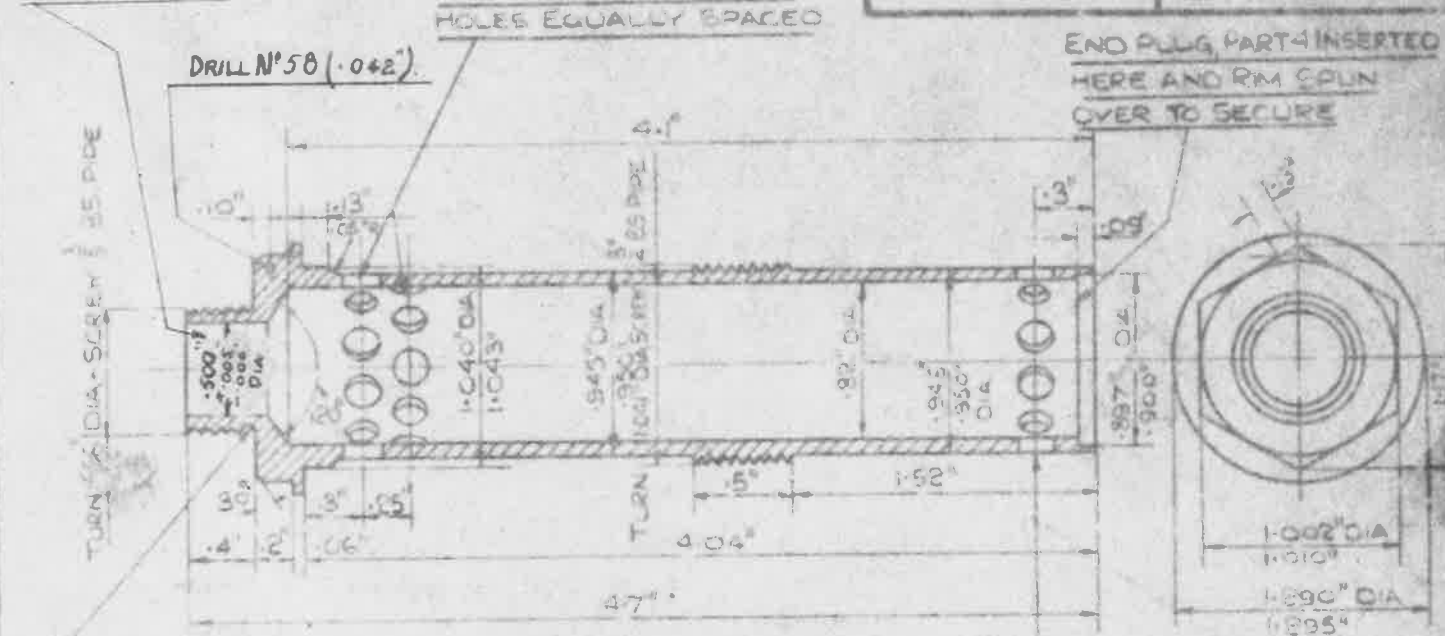
DRAWN L HALL
TRACED GNA 2313
CHECKED FCB 13136
APPROVE APITT 1411
REC'D

ISSUE NO	8
ALT N°	AS NE 151/NO 105/202 AGS/273 145/063 105/202

20 19 27 11 40

THE ECCENTRICITY OF THE HOLE TO THE 3/8 B.S. PIPE THREAD TO BE WITHIN .003"

10-1/8 DIA HOLES ON EACH SIDE OF HOLE STAGGERED HOLES EQUALLY SPACED



END PLUG PART 4 INSERTED HERE AND RM COLN OVER TO SECURE

BEAR ROLLER UNDERCUT BOTTOM OF THREAD PERMITTING TO BE IN ACCORDANCE WITH B.S. SPEC. 84-1940 FOR MEDIUM FIT

REMOVE SHARP EDGES
OBSOLESCE

8-1/8 DIA HOLES EQUALLY SPACED

SCALE - FULL SIZE

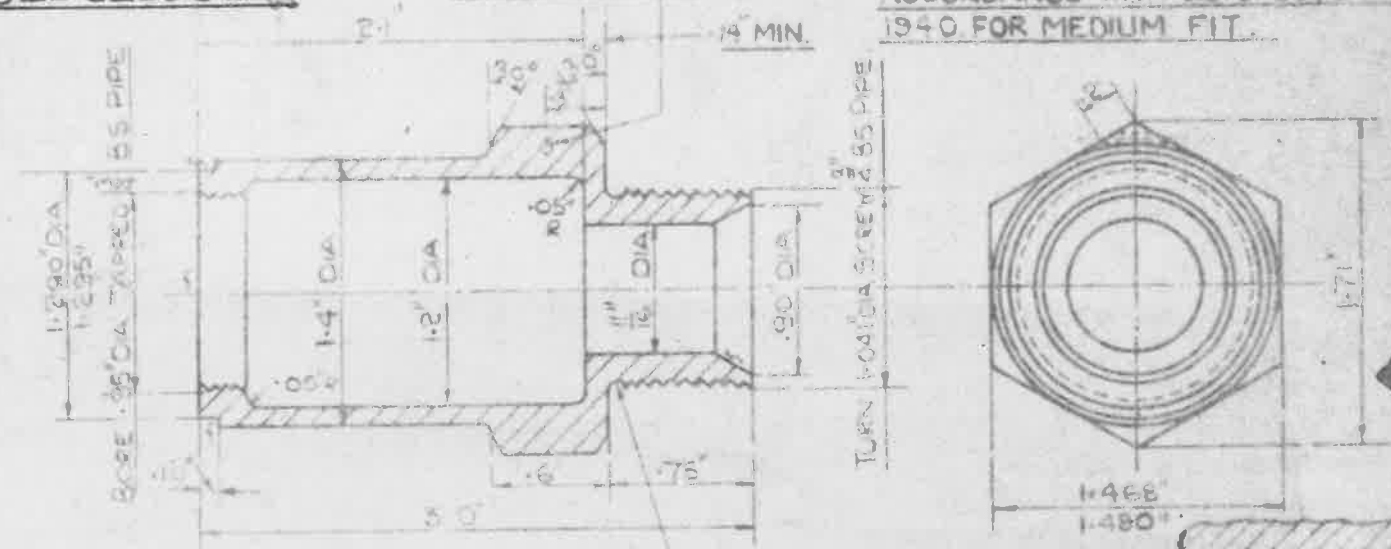
PART 1
MATERIAL - MILD STEEL
SPEC - B 11
(LATEST ISSUE)

MACHINE ALL OVER
FINISH - CADMIUM PLATED
SPEC: DTD 904
(LATEST ISSUE)

OBSOLESCE

DRILL NO 54 MORSE (.C55)

SCREEN THREADS TO BE IN ACCORDANCE WITH B.S. SPEC. 84-1940 FOR MEDIUM FIT.



FINISH TO BE ANODISED TO SPEC: D.T.D. 910 (LATEST ISSUE)

UNDERCUT TO BOTTOM OF THRD. SEE ENLARGED VIEW

MACHINE TO F MARKS

SCALE - FULL SIZE

UNION BODY - PART 6
MATERIAL - ALUMINIUM.
SPEC NOLS L330 OR DTD 424 (LATEST ISSUE) CLASS 3 CASTING SEE DRG NO AD 15520-3 (LATEST ISSUE)

FINISH TO BE CADMIUM PLATED TO SPEC: DTD 904 (LATEST ISSUE)

OBSOLESCE



MATERIAL - MILD STEEL
SPEC - B 6
(LATEST ISSUE)

SCALE - FULL SIZE

END PLUG - PART 4

MACHINE ALL OVER

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE: OIL THERMOMETER POCKET 3/8 B.S. PIPE					DRAWN: L HALL	RE-TRACED V L B M 23-49
	ISSUE No.	1	2	3	4		
ALTERATION No.							

THIS DRAWING MAY ONLY BE USED FOR THE
MANUFACTURE OF ARTICLES TO BE SUPPLIED
TO THE MINISTRY OF AIRCRAFT PRODUCTION

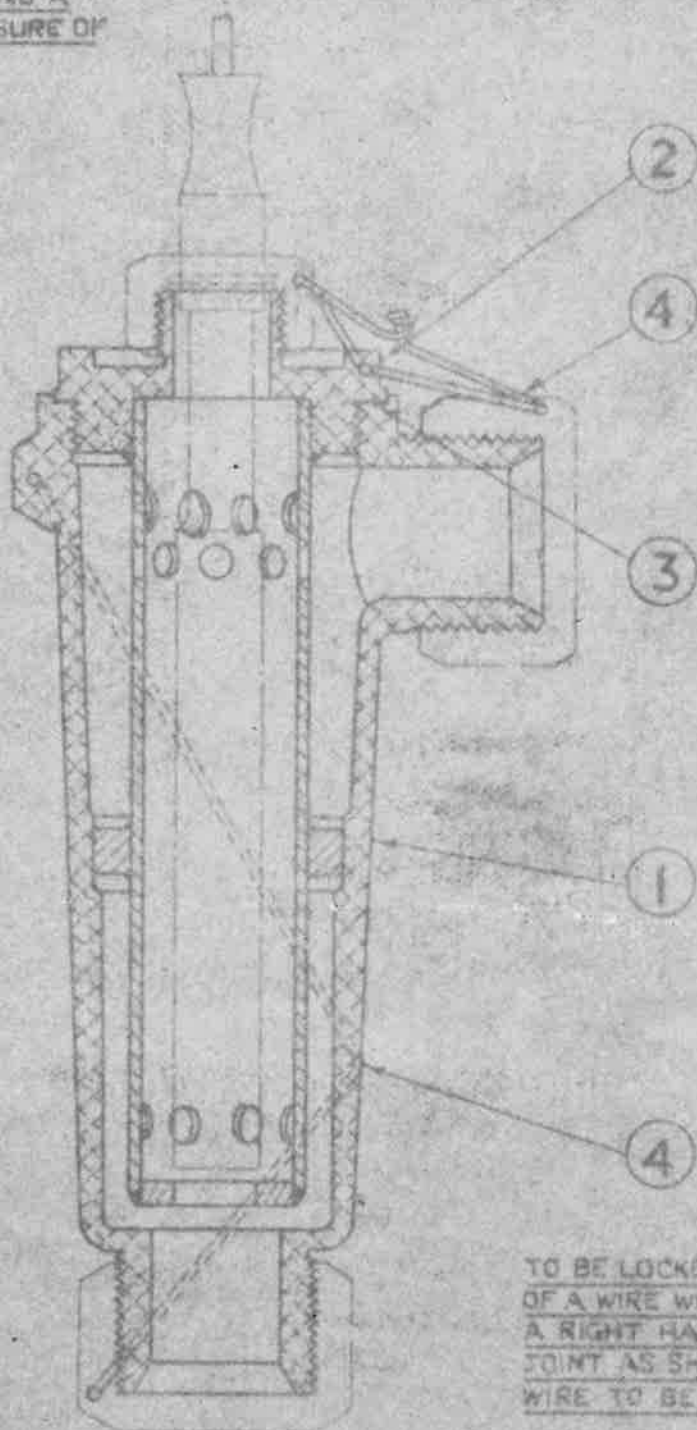
MINISTRY OF
AIRCRAFT
PRODUCTION

AGS No 942/M

SHEET No 1. IN No OF SHEETS 3.

OBSOLETE - NO FURTHER
MANUFACTURE - EXISTING STOCKS
MAY BE USED UP.

TEST PRESSURE THE COMPLETE
POCKET IS TO WITHSTAND A
HYDRAULIC TEST PRESSURE OF
150 LB PER Q INCH.



TO BE LOCKED BY MEANS
OF A WIRE WHICH DESCRIBES
A RIGHT HAND HELIX ROUND
JOINT AS SHOWN, ENDS OF
WIRE TO BE SENT OVER

ELBOW TYPE
AGS 942/M.

PART NO	AGS No	DESCRIPTION.	No OFF	REMARKS
1	942/M/1.	BODY CASTING	1	
2	942/M/2	SLEEVE	1	
3	N.D.	FIBRE WASHER	1	1 7/8" ϕ x 1 6/8" ϕ x 1/32"
4	N.D.	LOCKING WIRE.	AS REQD	SEE AGS No 768

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION.	TITLE -	OIL THERMOMETER POCKET 3/4" B.S. PIPE	DRAWN K.M.G.	TRACED A.M.P 16-2-42
	ISSUE No	X 2 3	CHECKED	APPROVED
	ALTERS No	242	24 2-42	24 2-42

SCREW THREADS TO BE
IN ACCORDANCE
B.S. SPEC. 84-1940
FOR MEDIUM FIT

MINISTRY OF
AIRCRAFT
PRODUCTION

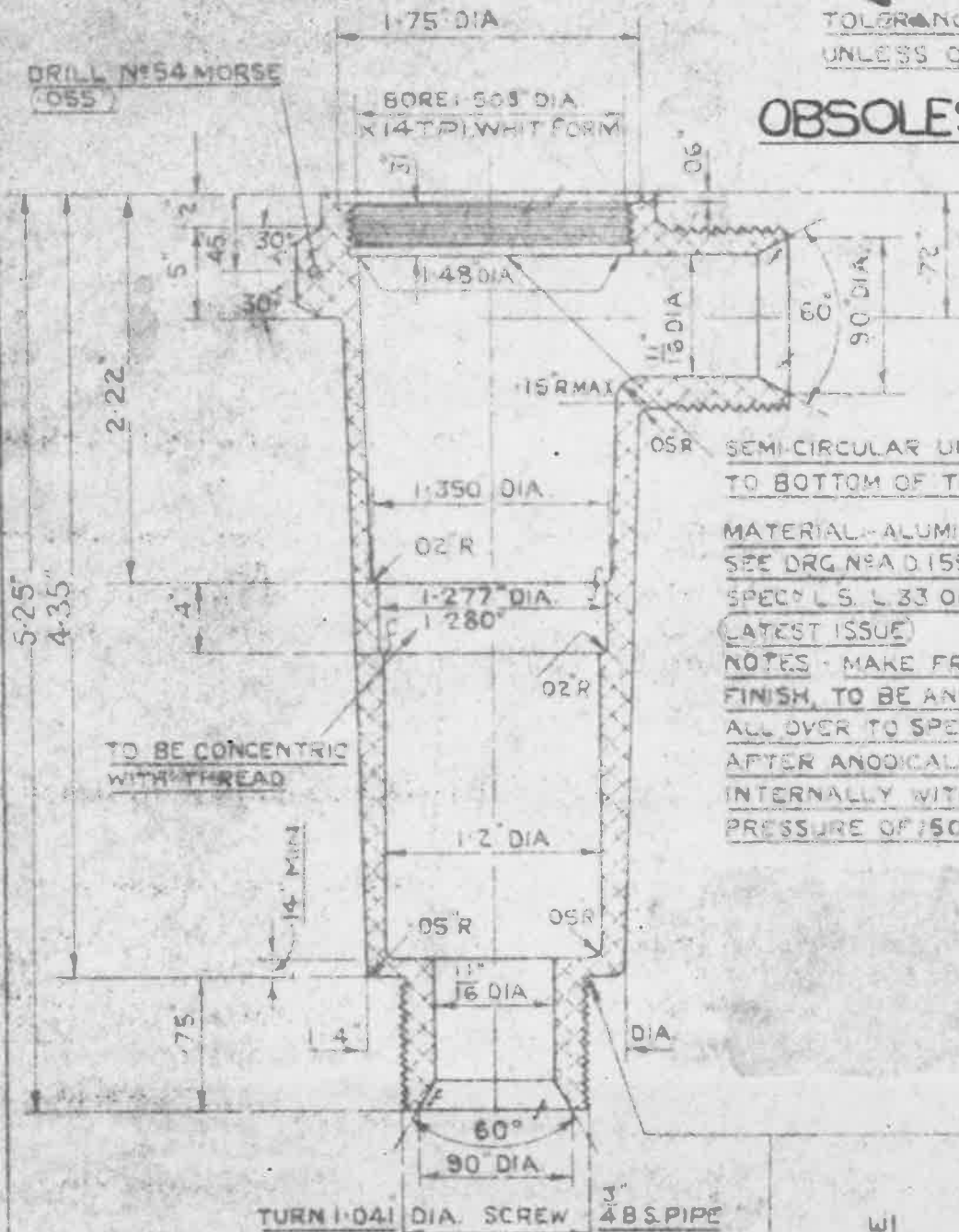
AGS No. 942M

SHEET No. 2

No. OF SHEETS 3

TOLERANCE TO BE $\pm .005$
UNLESS OTHERWISE STATED

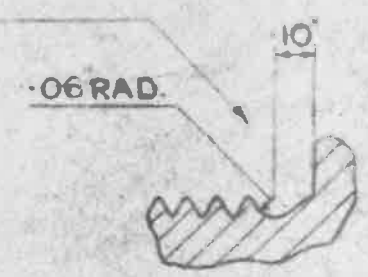
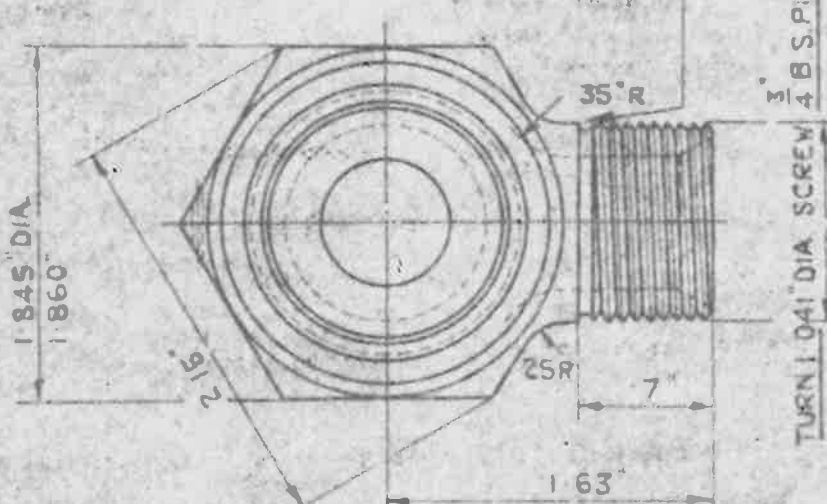
OBSOLESCE



OSR SEMI-CIRCULAR UNDERCUT
TO BOTTOM OF THREAD

MATERIAL - ALUMINIUM (CLASS 3 CASTING
SEE DRG. No. D 15528-3 LATEST ISSUES)
SPEC. L.S. L 33 OR D.T.D. 424
(LATEST ISSUE)

NOTES - MAKE FROM DIE CASTING.
FINISH TO BE ANODICALLY TREATED
ALL OVER TO SPEC. 910 A.
AFTER ANODICALLY TREATING TEST
INTERNALLY WITH A HYDRAULIC TEST
PRESSURE OF 150 LB./SQ. INCH



SCRAP SECTION
SHOWING UNDERCUT TO
BOTTOM OF THREAD
SCALE - DOUBLE FULL SIZE

BODY CASTING. PART 1.

SCALE - FULL SIZE

MACHINE TO MARKS

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION	TITLE:- OIL THERMOMETER POCKET 3/4 B.S. PIPE				DRAWN C.G. Allen	TRACED A.M.P. 27-10-41	
	ISSUE No	1	2	3	4	CHECKED	APPROVED
	ALTER. No	AS N° AGS 432	AS N° AGS 289	AS N° 663	AS N° AGS 762		

SCREW THREADS TO BE IN ACCORDANCE WITH B.S. SPEC: 84-1940 FOR MEDIUM FIT.

THE ECCENTRICITY OF THE HOLE TO THE $\frac{3}{8}$ B.S. PIPE THREAD TO BE WITHIN 0.003"

TOLERANCE TO BE $\pm .005$ " UNLESS OTHERWISE STATED

SEMI CIRCULAR UNDERCUT TO BOTTOM OF THREAD

1.28" DIA.
TURN .656" DIA SCREW $\frac{3}{8}$ " B.S. PIPE

DRILL N^o 54 MORSE (.055")

CAP TO BE M/C ALL OVER.

PIPE TO BE WELDED INTO POSITION AS SHOWN

$\frac{3}{10}$ - 16 DIA. HOLES ON EACH PITCH CIRCLE STAGGERED HOLES EQUALLY SPACED

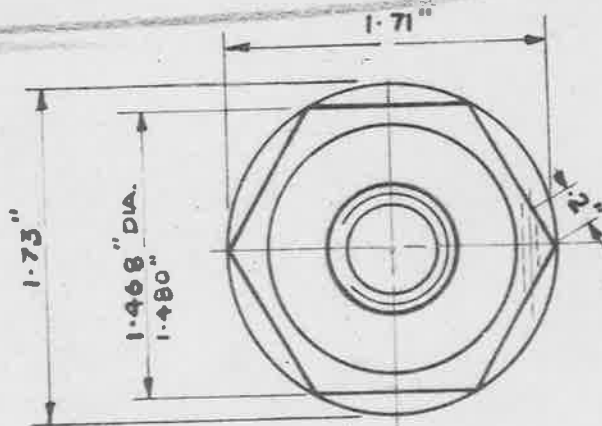
STEEL RING SPOT WELDED INTO POSITION AS SHOWN.

TO BE CONCENTRIC WITH THREAD

END PLUG WELDED INTO POSITION AS SHOWN

OBSOLESCE

REMOVE SHARP EDGES



FINISH :- CADMIUM PLATED TO SPEC D.T.D. 904 (LATEST ISSUE)

SLEEVE. PART 2.

MATERIAL :- MILD STEEL SPEC S. 84 2.T. 2.6. (LATEST ISSUE)

MACHINE TO f MARKS.

SCALE :- FULL SIZE

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION	TITLE :- OIL THERMOMETER POCKET $\frac{3}{4}$ B.S PIPE				DRAWN	RE TRACED
	ISSUE N ^o	X	2	3	CHECKED	D.A.P. GAF 3-2-50
	ALTER ⁿ N ^o	MSD N ^o RGS 472	MSD N ^o AGS 554	AS N ^o AGS 1762		APPROVED