

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

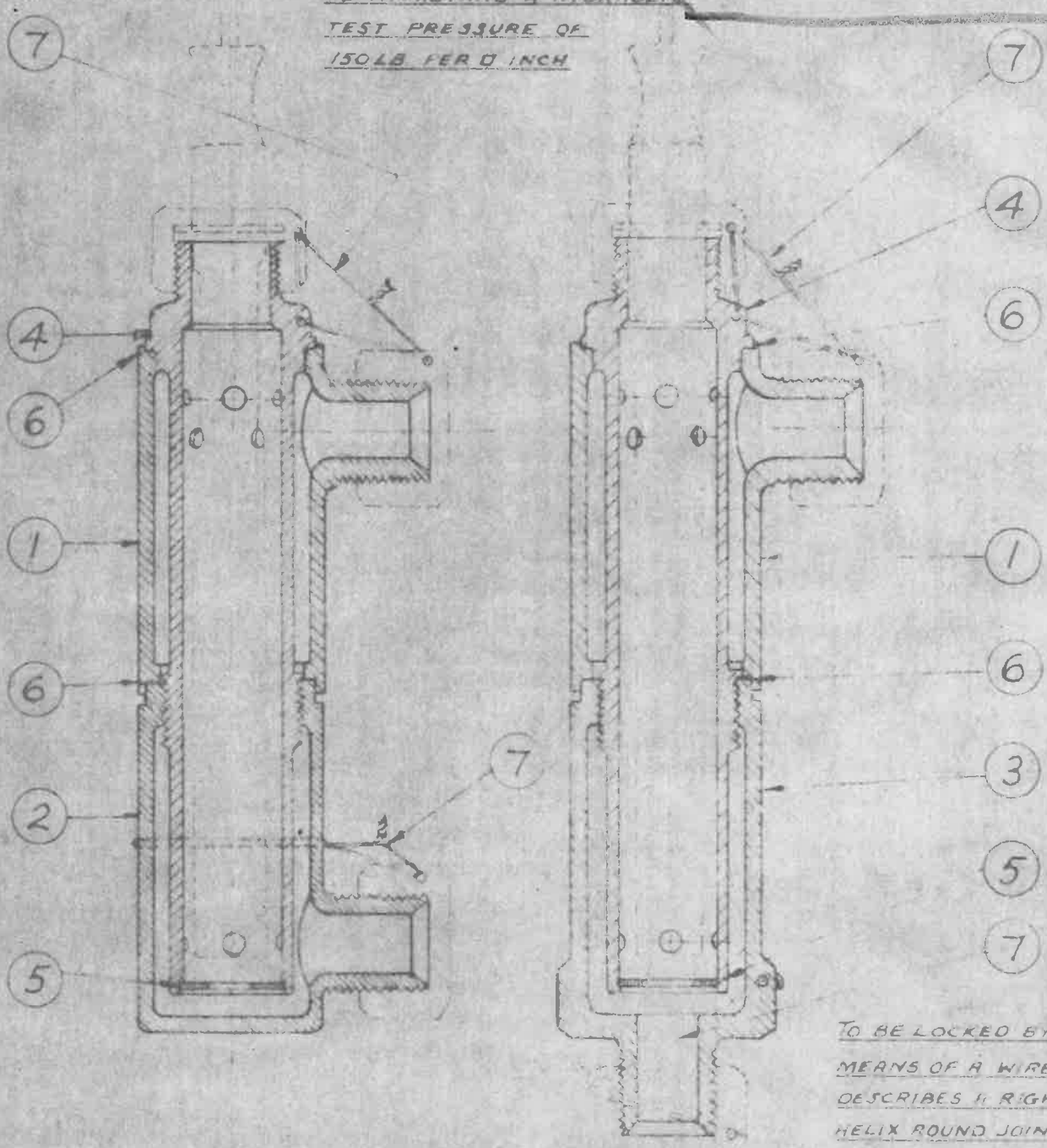
AIR MINISTRY A.G.S. No. 974

SHEET No 1 | No. of SHEETS 3

OBSOLESCENT—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

12-12-39
968648/1



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.

UNIVERSAL TYPE
A.G.S. No 974/A

ELBOW TYPE
A.G.S. No 974/B

PART No	A.G.S. No	DESCRIPTION	No OFF	REMARKS
1	974/1	BODY CASTING	1	
2	974/2	BODY CASTING	1	FOR ASSEMBLY "A"
3	974/3	UNION BODY (ALTERNATIVE)	1	"B"
4	974/4	SLEEVE	1	
5	974/5	END PLUG	1	
6	N.D	FIBRE WASHER	2	106" O.D X .92" I.D X 1/2"
7	N.D	LOCKING WIRE	AS REQD	SEE A.G.S. No 769

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— <u>OIL THERMOMETER POCKET 3" B.S. PIPE</u>		RETRACED FOR A.P.C. (220)	TRACED H.S.	TRACED G.W. 19.10.38
	ISSUE No. <u>X 2</u>	DESIGNER <u>M.D. AGS/1</u>	CHECKED <u>P.C.H.</u>	DATE <u>26.10.38</u>	APPROVED <u>[Signature]</u>

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

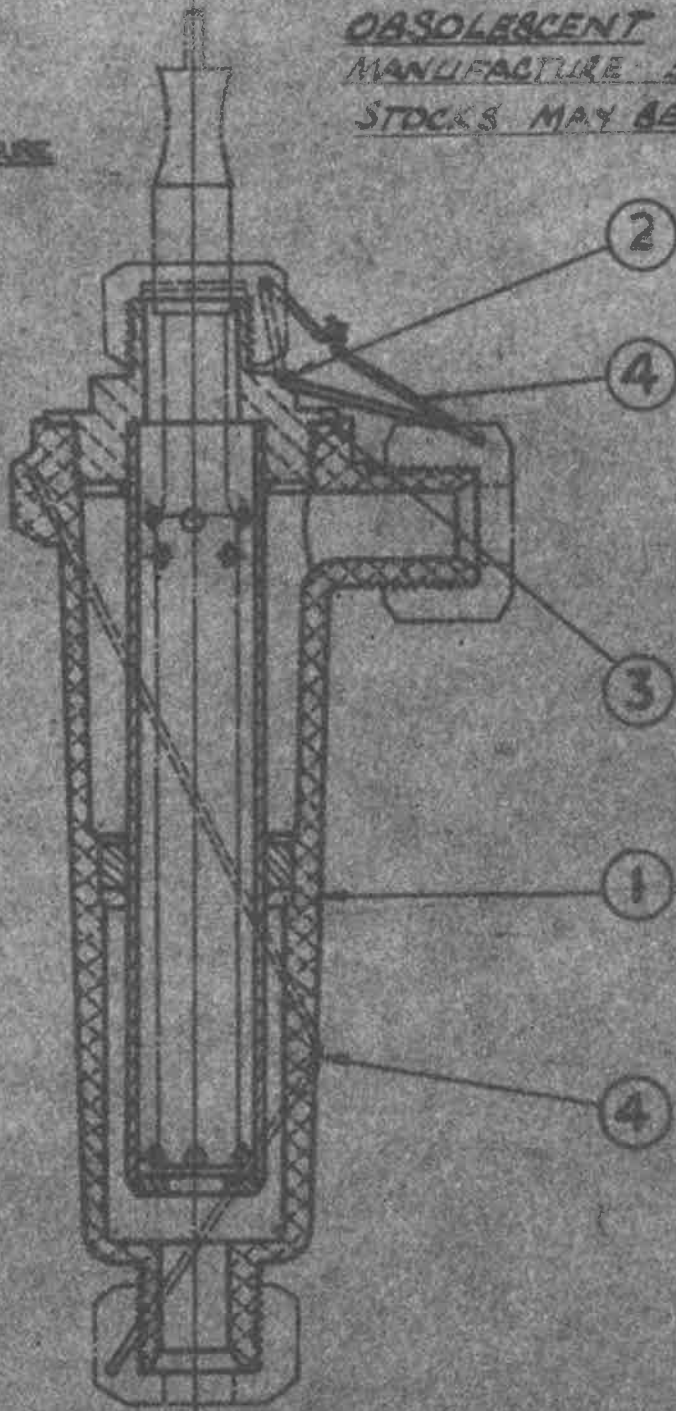
MINISTRY OF AIRCRAFT PRODUCTION

A.G.S. N° 974/M

SHEET N° 1 IN° OF SHEETS 3

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

OBSOLETE NO FURTHER MANUFACTURE EXISTING STOCKS MAY BE USED UP



ELBOW TYPE

A.G.S. N° 974/M

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

PART NO	A.G.S. N°	DESCRIPTION	NR OFF	REMARKS
1	974/M/1	BODY CASTING	1	
2	974/M/2	SLEEVE	1	
3	N.D.	FIBRE WASHER	1	155° 0' x 135° 1/2' x 1/32"
4	N.D.	LOCKING WIRE	AS RECD.	SEE A.G.S. N° 789

ISSUED BY DRAWING OFFICE
DIRECTORATE OF
TECHNICAL DEVELOPMENT
MINISTRY OF
AIRCRAFT PRODUCTION

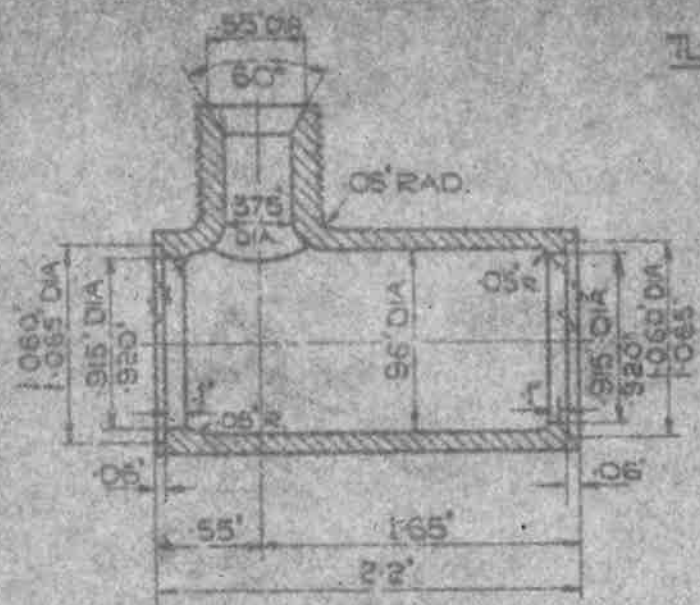
TITLE:— OIL THERMOMETER POCKET
3/8" S.S. PIPE.
ISSUE N° XII 2
ALTERS N°

DRAWN
KMG.
CHECKED
26-3-42
APPROVED
17-2-42
APPROVED

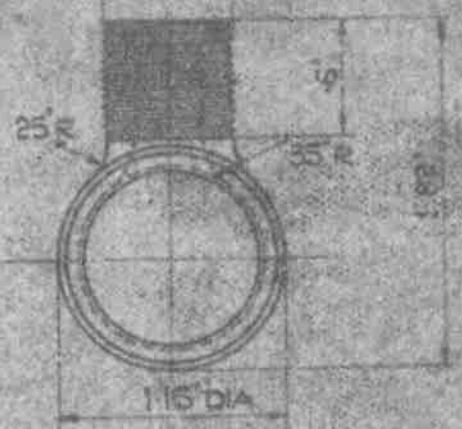
SCREW THREADS TO BE IN ACCORDANCE WITH
U.S. SPEC. 84-1940 FOR 8 S.P. MEDIUM FIT.

SHEET No 2 NO OF SHEETS 3

OBSELESCENT



TURN 656 DIA SCREW 3/8 B.S. PIPE



BODY CASTING PART 1

MATERIAL - ALUMINIUM
SPEC. NO L5, L33 OR D.T.D. 424
(LATEST ISSUES)

CLASS 3 CASTING
SEE DRG. NPA D15528.3
(LATEST ISSUE)

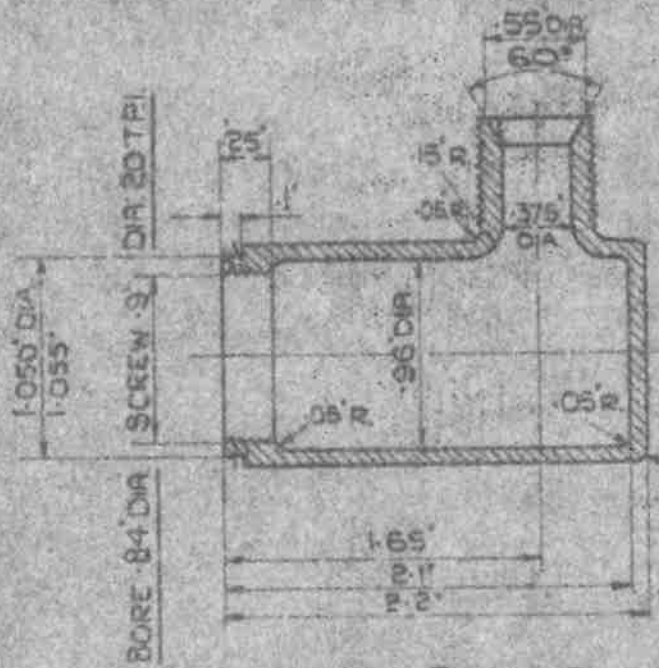
SCALE - FULL SIZE

FINISH - TO BE MODIFIED TO SPEC
D.T.D. 910 (LATEST ISSUE)

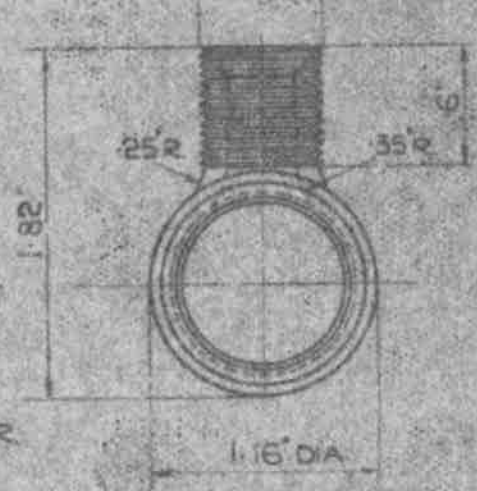
MACHINE TO MARKS

SCREW THREADS TO BE IN ACCORDANCE WITH
U.S. SPEC. 84-1940 FOR 8 S.P. MEDIUM FIT.

OBSELESCENT



TURN 656 DIA SCREW 3/8 B.S. PIPE



BODY CASTING PART 2

MATERIAL: ALUMINIUM
SPEC. NO L5, L33 OR D.T.D. 424
(LATEST ISSUES)

CLASS 3 CASTING
SEE DRG. NPA D15528.3
(LATEST ISSUE)

SCALE - FULL SIZE

FINISH - TO BE MODIFIED TO SPEC
D.T.D. 910 (LATEST ISSUE)

MACHINE TO MARKS

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE - OIL THERMOMETER POCKET 3/8 B.S. PIPE.					DRAWN HS	RE-TRACED G.M.H. 1.2.39
	ISSUE NO	1	2	3	4	CHECKED F.C.H. 26-9-39	APPROVED A.P.P.T. 26.9.39
	ALTERATION NO	1	2	3	4	RE-CHK BY INSTABLE	

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

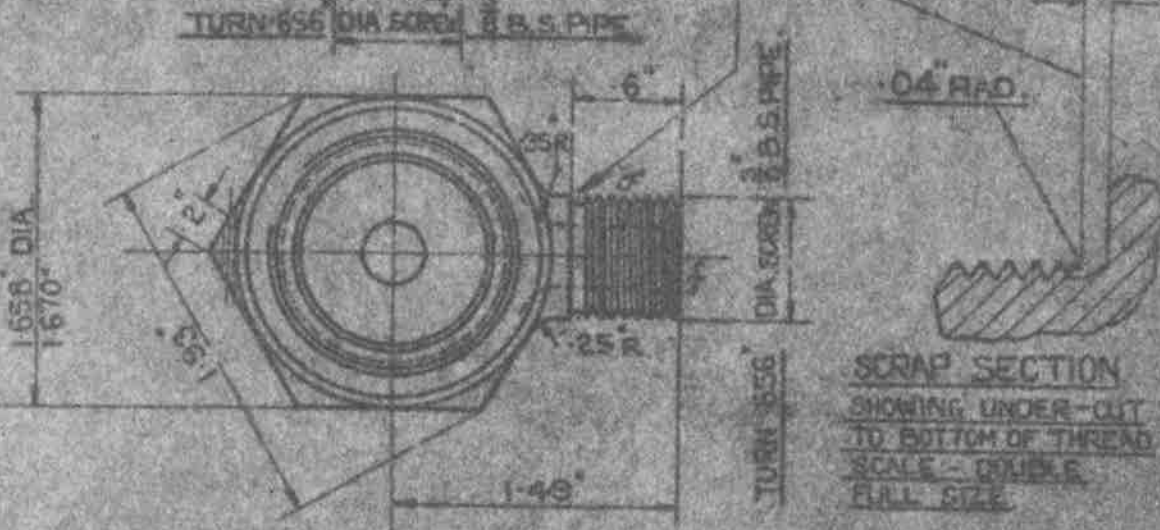
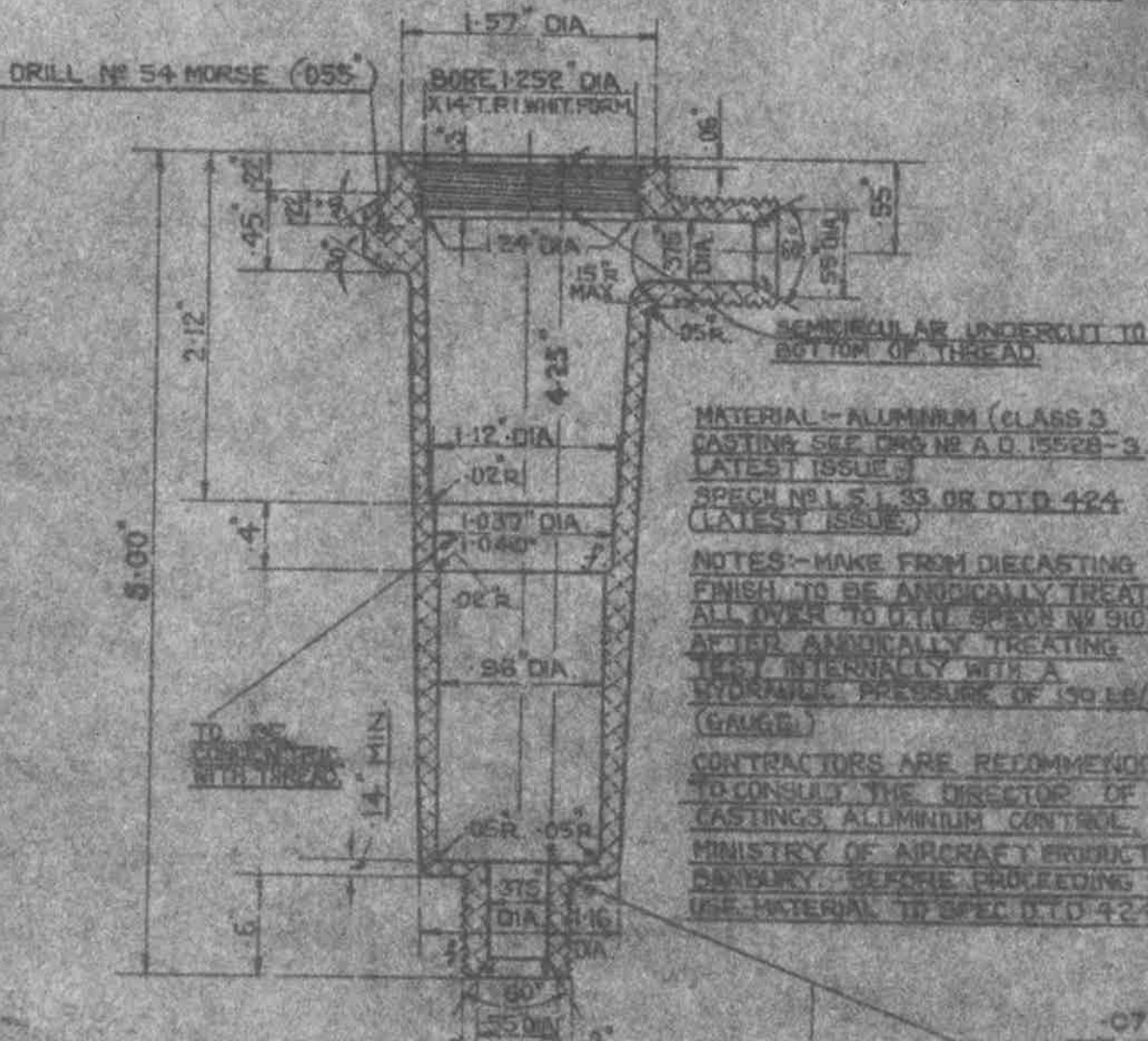
MINISTRY OF
AIRCRAFT
PRODUCTION

AGS.No.974/M

SHEET No 2 No of SHEETS 3

OBSCOLESCENT

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



BODY CASTING, PART I

SCALE: - FULL SIZE

MACHINE TO f MARKS

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION	TITLE - OIL THERMOMETER POCKET IN B.S. PIPE.			DRAWN C. S. Allen	TRACED A.F.M.
	ISSUE NO	2		CHECKED	APPROVED
ASSIGNMENT NO					

OBSOLESCE

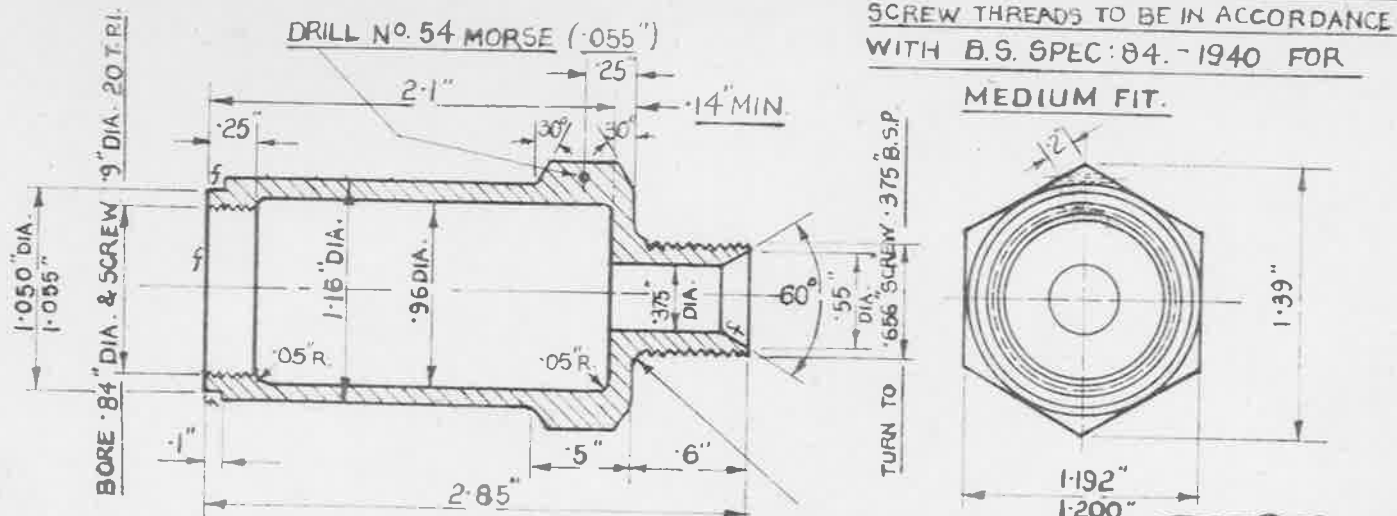
MINISTRY OF SUPPLY

AGS.No.974

SHEET No.3

No. OF SHEETS 3

SCREW 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).

UNION BODY - PART 3.

MATERIAL:- ALUMINIUM

SPEC^N:- L5, OR L33 ORD.TD 424 (LATEST ISSUES)

CLASS 3 CASTING SEE DRG NO AD 15328-3 (LATEST ISSUE)

MACHINE TO f MARKS.

SCALE:- FULL SIZE.

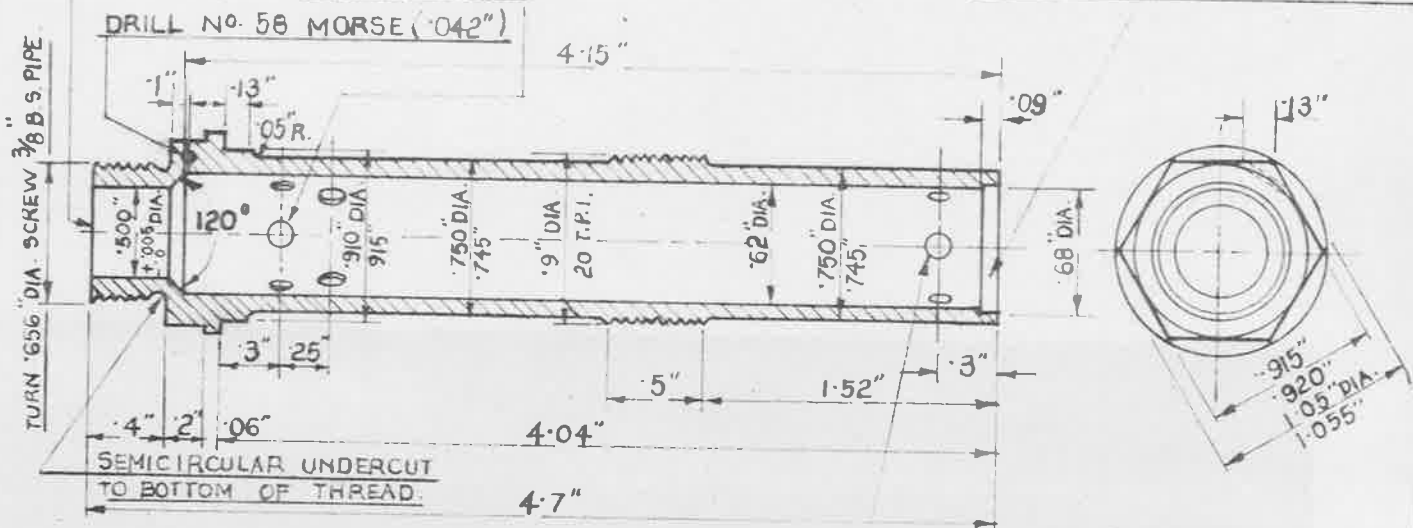
UNDERCUT TO BOTTOM OF THREAD SEE ENLARGED VIEW.

THE ECCENTRICITY OF THE HOLE TO THE 3/8" B.S. PIPE THREAD TO BE WITHIN 0.003".

OBSOLESCE

5 - 9/64 HOLES ON EACH PITCH CIRCLE STAGGERED HOLES EQUALLY SPACED

END PLUG-PART 5 INSERTED HERE & RIM SPUN OVER TO SECURE



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

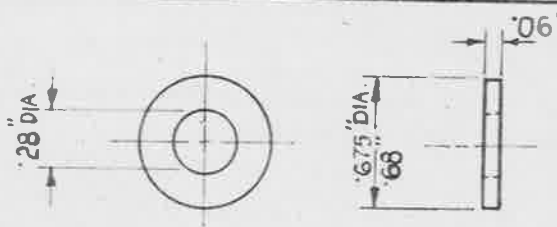
REMOVE SHARP EDGES

5 - 9/64 HOLES EQUALLY SPACED

MACHINE ALL OVER FINISH:- CADMIUM PLATED TO SPEC^N D.T.D. 904 (LATEST ISSUE).

SCALE:- FULL SIZE.

SLEEVE - PART 4. MATERIAL:- MILD STEEL. SPEC^N S.6. (LATEST ISSUE)



OBSOLESCE

MATERIAL:- MILD STEEL SPEC^N S.6. (LATEST ISSUE)

SCALE:- FULL SIZE

END PLUG - PART 5.

MACHINE ALL OVER

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

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE:- OIL THERMOMETER POCKET, 3/8" B.S. PIPE.				DRAWN H.S.	TRACED D.A.P. G.A.F. 3-2-50.
	ISSUE NO	7	8			
	A.S. NO. AGS/663	A 5/AGS			RE-CHECKED	

SCREW THREADS TO BE IN ACCORDANCE WITH BS SPEC 84-1940 FOR MEDIUM FIT

MINISTRY OF SUPPLY

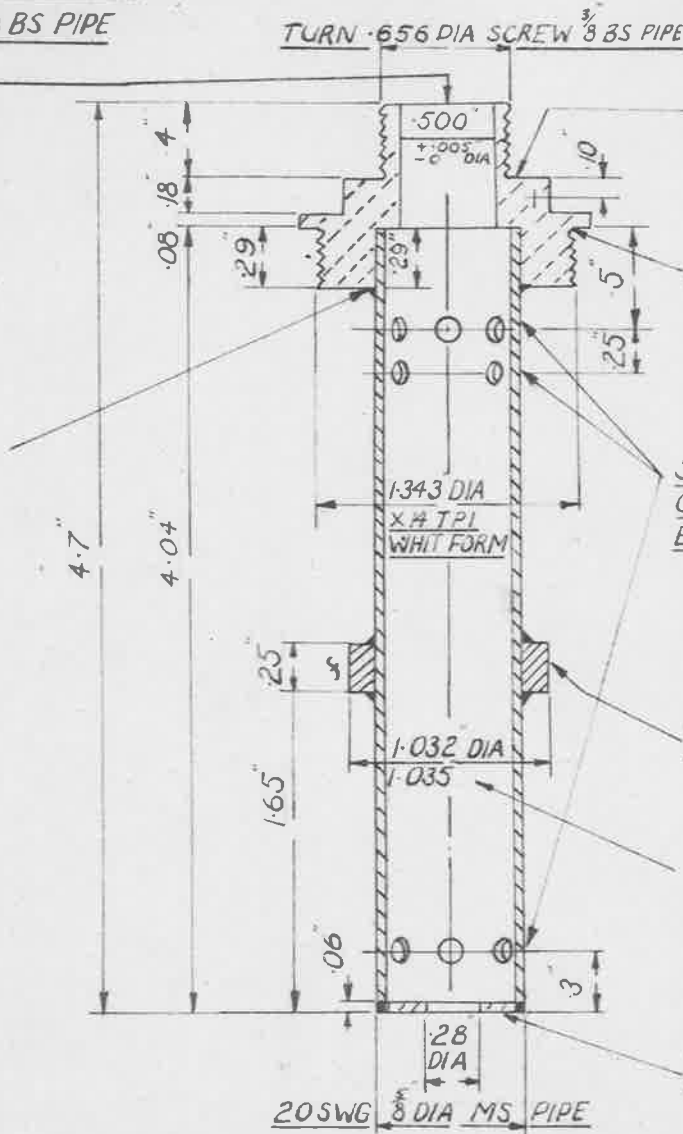
AGS N° 974/M

SHEET N° 3

N° OF SHEETS 3

THE ECCENTRICITY OF THE HOLE TO THE 3/8 BS PIPE THREAD TO BE WITHIN 0.003"

PIPE TO BE WELDED INTO POSITION AS SHOWN



CAP TO BE M/C ALL OVER

SEMICIRCULAR UNDERCUT TO BOTTOM OF THREAD

5 3/64 HOLES ON EACH PITCH CIRCLE STAGGERED HOLES EQUALLY SPACED

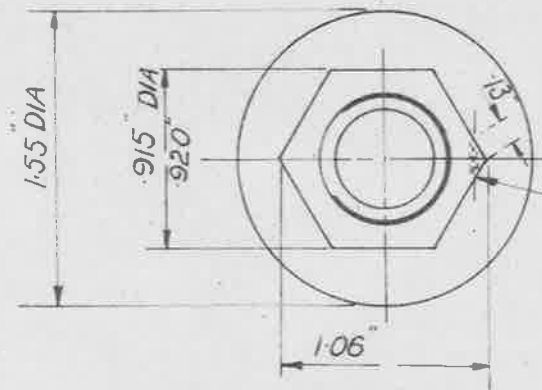
STEEL RING TO BE SPOT WELDED INTO POSITION AS SHOWN

TO BE CONCENTRIC WITH THREAD

END PLUG TO BE WELDED INTO POSITION AS SHOWN

OBSOLESCE

REMOVE SHARP EDGES



DRILL N° 54 MORSE (.055)

SLEEVE PART 2

MATERIAL - MILD STEEL

SPEC N S6 & 2T 26

(LATEST ISSUES)

TOLERANCE TO BE ± .005"

UNLESS OTHERWISE STATED

MACHINE TO f MARKS

FINISH CADMIUM PLATED

TO SPEC DT.D 904 (LATEST ISSUE)

SCALE FULL SIZE

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE GIL THERMOMETER POCKET 3/8 BS PIPE				DRAWN	TRACED GAF-DAR 6-2-50	
	ISSUE N°	1	2	3	4	CHECKED	APPROVED
	ALTERN N°	MOD N° 4371 AG 432	MOD N° 4371 AGS/289	MOD N° 45 AGS AGS/536	762		