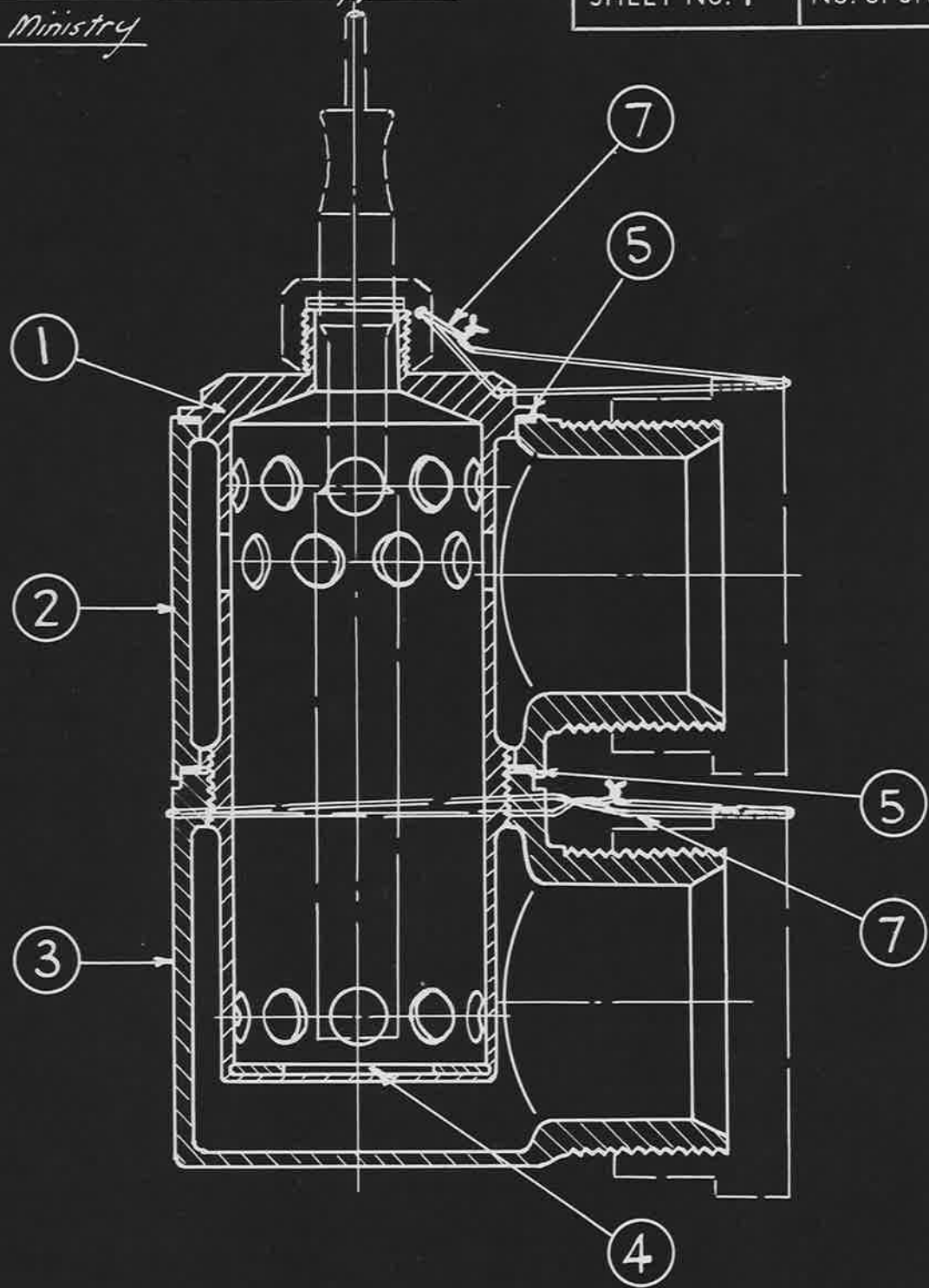


This drawing may only be used for the
Manufacture of Articles to be supplied
to the Air Ministry

AIR MINISTRY A.G.S. No. **965**

SHEET No. **1**

No. of SHEETS **6**



UNIVERSAL TYPE

A.G.S. No. 965/A

Test Pressure - The Complete Pocket is to
withstand a hydraulic Test Pressure of 150lb per Inch

Part No.	A.G.S. No.	Description	No Off	Remarks
1	965/1	Sleeve	1	
2	965/2	Body Casting	1	
4	965/4	End Plug	1	
5	N.D.	Fibre Washer	2	2.2" Ø x 1.95" l x 1/32"
7	N.D.	Locking Wire	As Reqd.	See A.G.S. 769
3	965/3	Body Casting	1	For Assembly 'A'

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— OIL THERMOMETER POCKET 1 1/2" B.S. PIPE			RETRACED FOR A.P.C. R.S. Harvey (U.R)	DRAWN W.I. Foster	TRACED H.H. 25-1-36
	ISSUE No.	1	2	3	CHECKED K.P.S. 24/2/36	APPROVED H.H. 26-2-36
	ALTERATION	265/317	Amend 265/120	265/162		

15.5.36
511886/86

This drawing may only be used for the
Manufacture of Articles to be supplied
to the Ministry of Supply

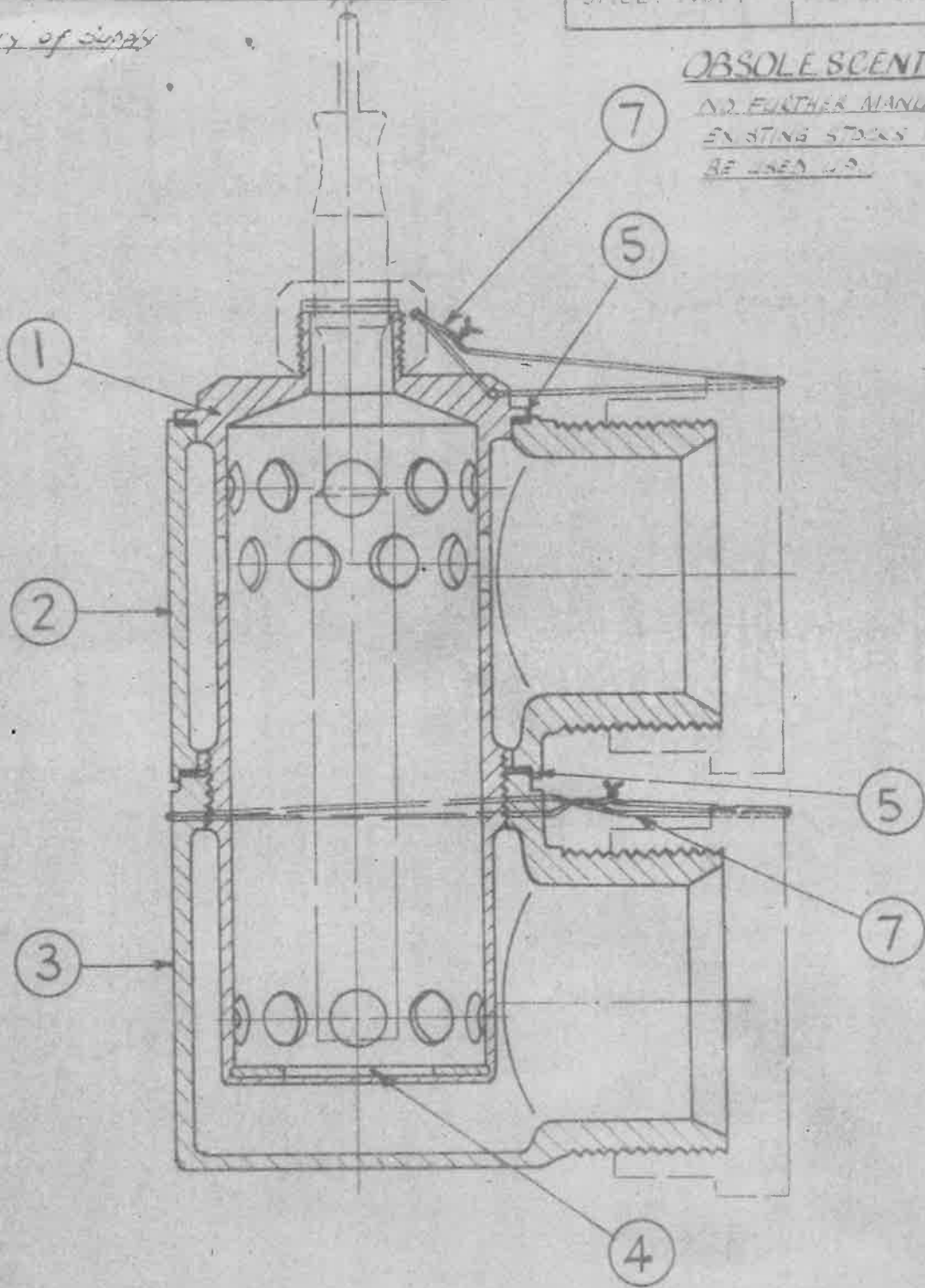
AIR MINISTRY A.G.S. No 965

SHEET No. 1

No of SHEETS 6

OBSOLETE SCENT

NO FURTHER MANUFACTURE.
EXISTING STOCKS MAY
BE USED U.P.



UNIVERSAL TYPE

A.G.S. No. 965/A

Test Pressure - The Complete Pocket is to
withstand a hydraulic Test Pressure of 150lb per Inch

Part No	A.G.S. No	Description	No Off	Remarks
1	965/1	Sleeve	1	
2	965/2	Body Casting	1	
4	965/4	End Plug	1	
5	ND	Fibre Washer	2	22" 9/16 x 95" 1/8 x 1/32
7	ND	Locking Wire	As Reqd	See A.G.S. 769
3	965/3	Body Casting	1	For Assembly A

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— OIL THERMOMETER POCKET 1 1/2" B.S. PIPE				RETRACTED FOR A.P.C. R.S. Harvey (V.R)	DRAWN W.I. Foster	TRACED N.H. 25-1-36
	ISSUE NO.	1	2	3	4	CHECKED BY KPS/20/26	APPROVED M.Pitt 26-1-36
ALTERATION	AGS 317	Amend AGS/130	AGS/162	AGS/162			

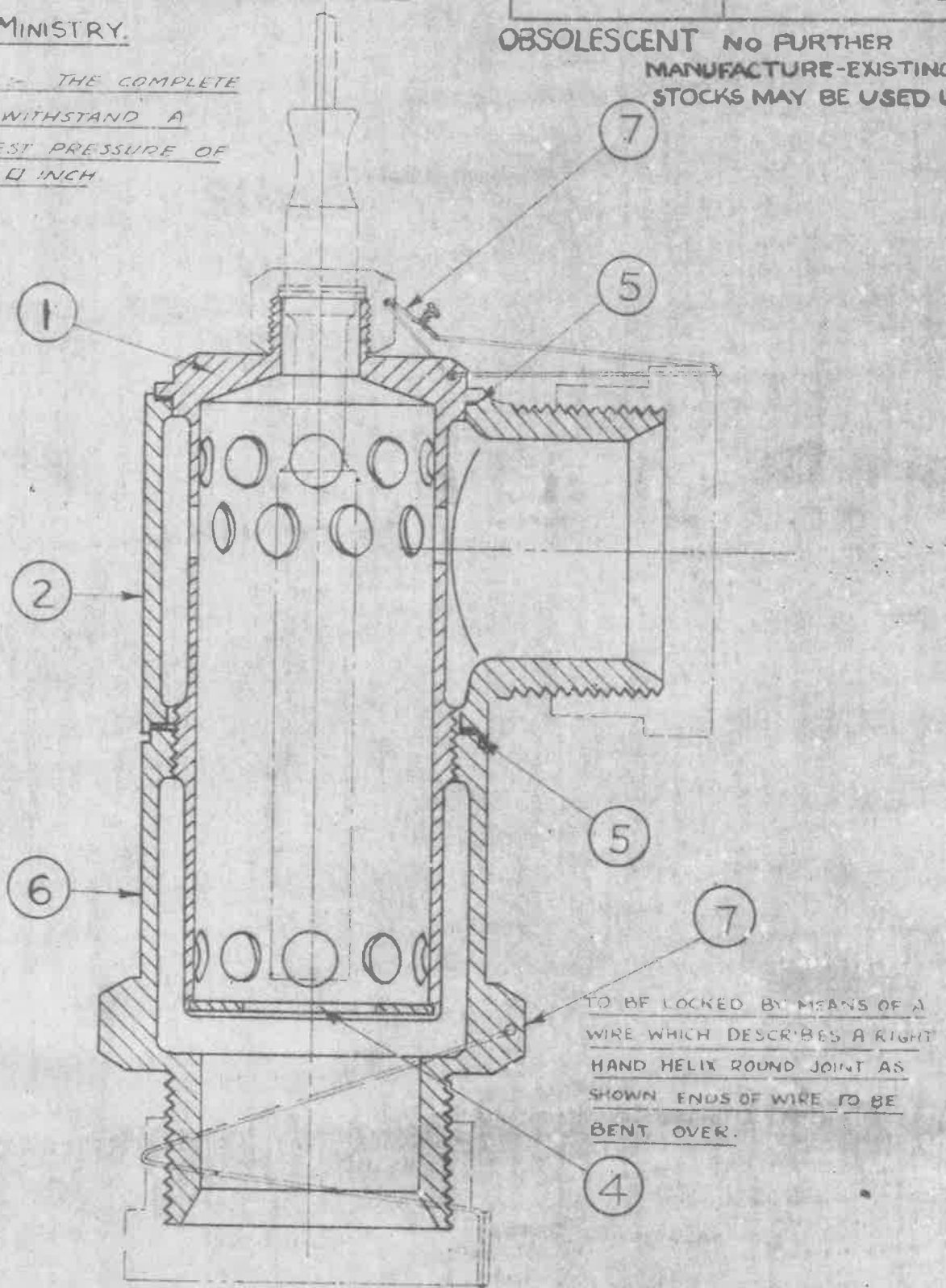
THIS DRAWING MAY ONLY BE USED FOR THE
 MANUFACTURE OF ARTICLES TO BE SUPPLIED
 TO THE AIR MINISTRY.

AIR MINISTRY A.G.S. No 965

SHEET No. 2 No. of SHEETS 6

OBSOLESCE NO FURTHER
 MANUFACTURE-EXISTING
 STOCKS MAY BE USED UP

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



ELBOW TYPE
AGS. N° 965/B.

PART NO	AGS N°	DESCRIPTION	N°OFF	REMARKS
1	965/1	SLEEVE	1	
2	965/2	BODY CASTING	1	
4	965/4	END PLUG	1	
5	N.D	FIBRE WASHER	2	2.9" D 1.95" D X 3/16"
7	N.D	LOCKING WIRE	AS REQD	SEE A.G.S. N° 769
6	965/6	UNION BODY	1	FOR ASSEMBLY 'B'

ISSUED BY DRAWING OFFICE DIRECTORATE OR TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— <u>OIL THERMOMETER POCKET</u> <u>1/2" BS PIPE</u>				RETRACTED FOR H.D.M. (V.R.)	DRAWN W. P. Foster	TRACED H.H. 25.1.36
	ISSUE No.	Y	X	Z	4		
	ALTERATION	AGS 317	AMEND AGS 120	AGS 120	AS N° AGS 769		
						APPROVED H.P.S. Hooper 27/36	APPROVED A.H. Pitts 2.2.36

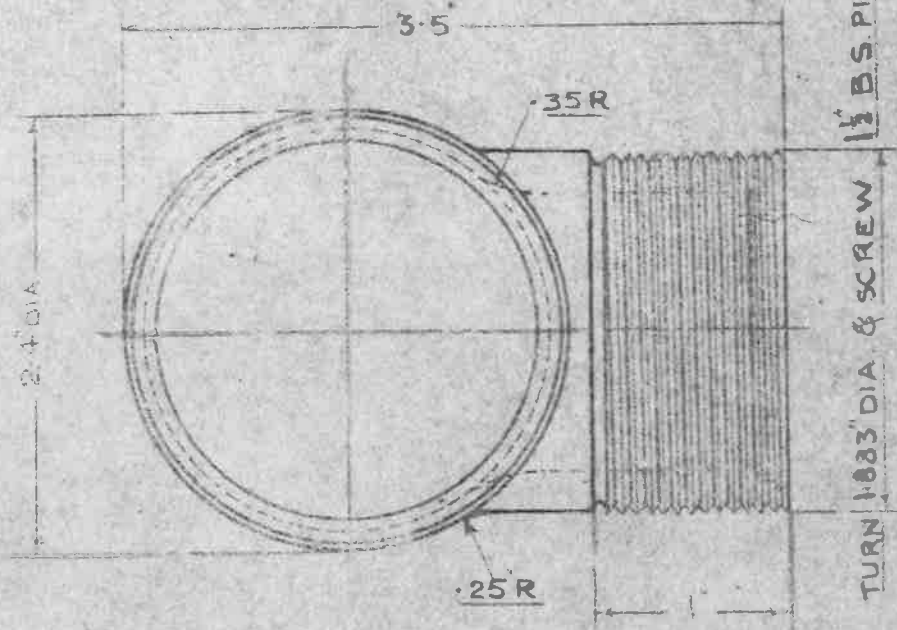
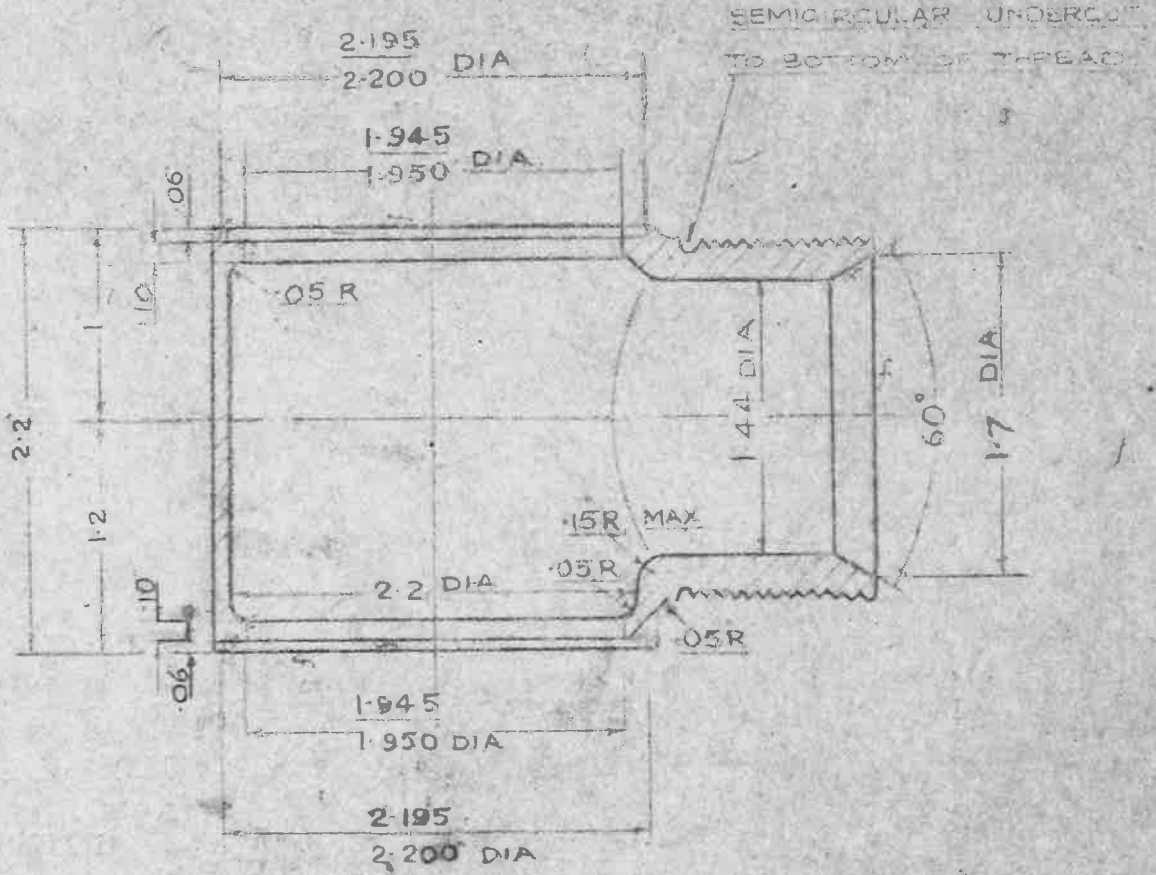
SCREW THREADS TO BE IN ACCORDANCE WITH
B.S. SPEC. 84 ~ 1940. FOR B.S.P. MEDIUM FIT.

MINISTRY OF
SUPPLY

AGS. NO 965

SHEET NO. 3. NO OF SHEETS 6

OBSOLESCENT



MACHINE TO MARKS.

BODY CASTING PART 2.

MATERIAL:- ALUMINIUM.

SPEC. NPL5, L330RDTD424

(LATEST ISSUES)

CLASS 3 CASTING, SEE
ORG. NO AD 15528-3
(LATEST ISSUE)

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

SCALE:- FULL SIZE.

ISSUED BY
ROYAL
AIRCRAFT
ESTABLISHMENT

TITLE:- OIL THERMOMETER POCKET
1 1/2 B.S. PIPE.

DRAWN
W.F. FOSTER.

RETRACED
L.E.B.
20-1-39

ISSUE NO. 8
ALTERATION NO. A.S. NO. 130 MS. NO. 762
AGS. NO. 965 PCS/762

CHECKED BY
H.P.S. HOGG 2/36
RE-CHIEF ENGINEER
4-3-39 L.W.

APPROVED
A.PITT. 2-3-36

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

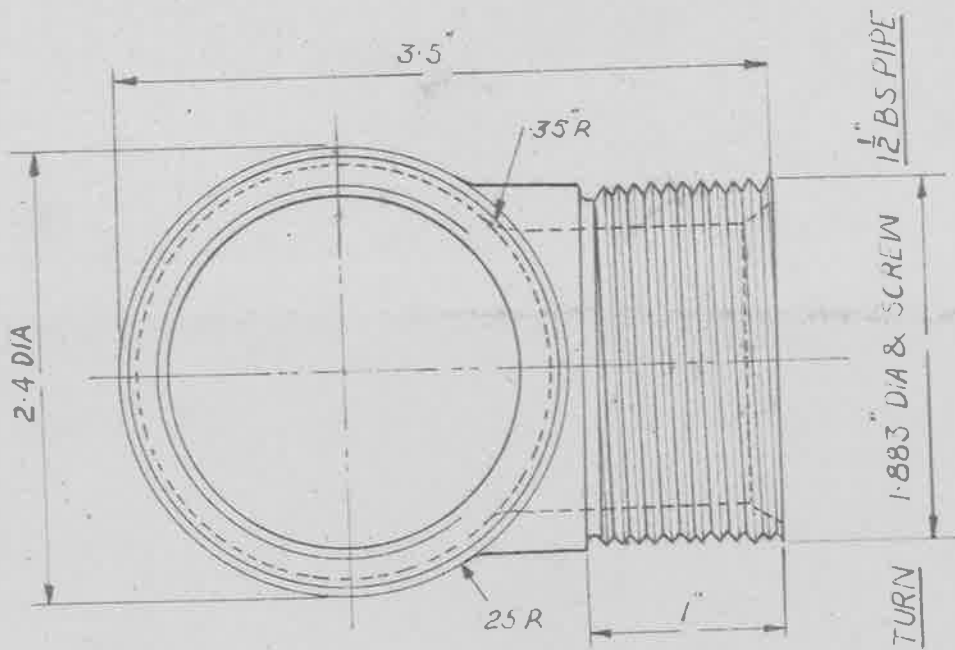
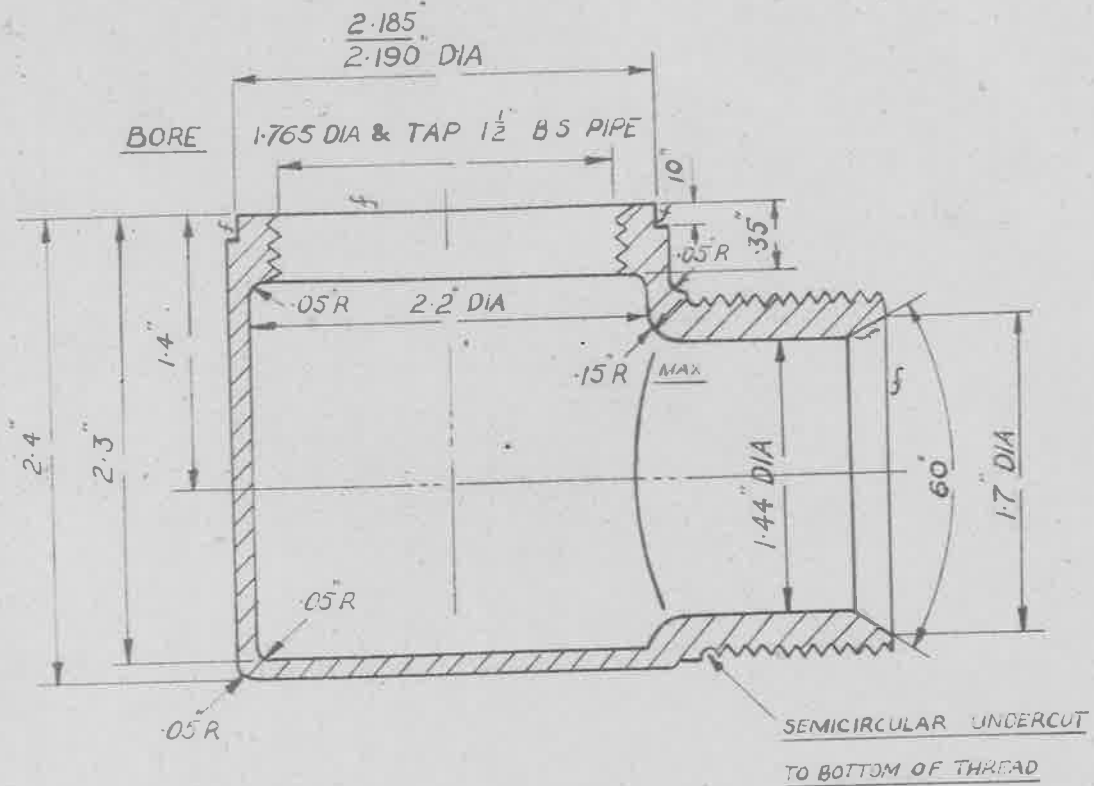
MEDIUM FIT

MINISTRY OF
SUPPLY

A.G.S. No.965.

SHEET No 4 NO OF SHEETS 6

OBSOLESCE



MACHINE TO f MARKS

BODY CASTING PART 3
MATERIAL :- ALUMINIUM
SPEC N° L5, L33 OR DTD424
(LATEST ISSUES)

CLASS 3 CASTING
SEE DRG N° AD 15528-3
(LATEST ISSUE)

FINISH TO BE ANODISED TO SPEC. DTD 910
(LATEST ISSUE)

SCALE FULL SIZE

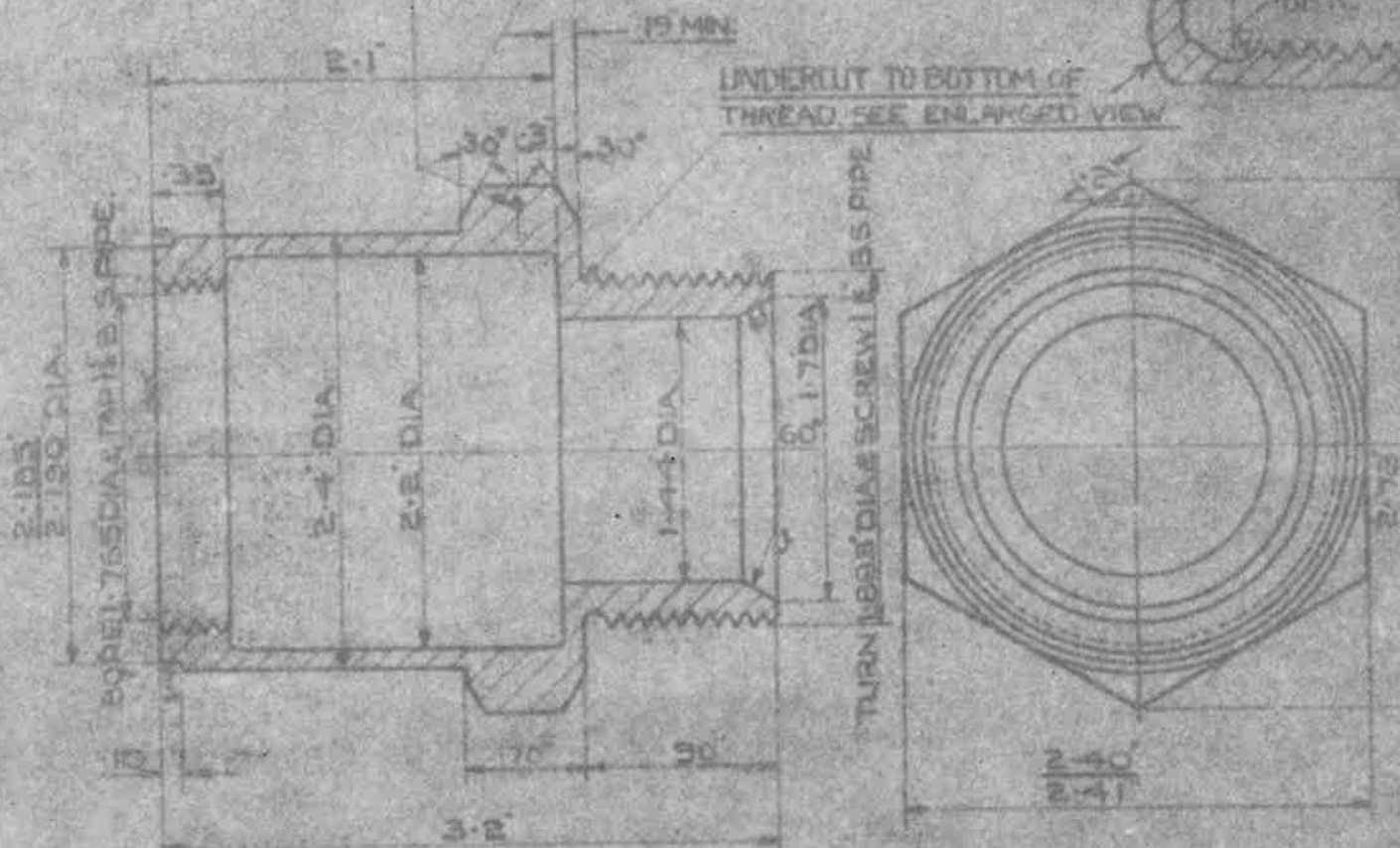
ISSUED BY ROYAL AIRCRAFT	TITLE	OIL THERMOMETER POCKET 1/2" BS PIPE	DRAWN	RE TRACED
			WFOSTER	GAF DAP
			CHECKED	APPROVED

OBSOLESCE

AIR MINISTRY A.S. No. 965

SHEET No. 3. | No. of SHEETS 6

DRILL No 54 MORSE (055)



SCREW THREADS TO BE IN ACCORDANCE WITH BS SPEC: 64 1940. FOR MEDIUM FIT.

FINISH - TO BE ANODISED TO SPEC DTD 910 (LATEST ISSUE)

SCALE - FULL SIZE

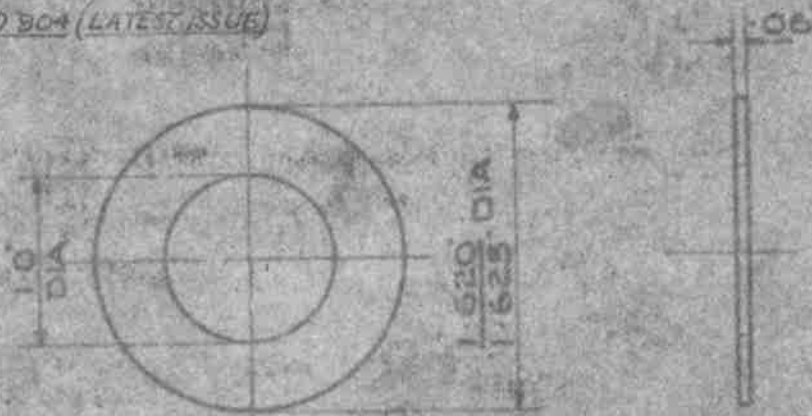
UNION BODY - PART 6

MATERIAL - ALUMINIUM SPEC. NO. B. L 39 OR DTD 424 (LATEST ISSUES)

TO BE ANODICALLY TREATED CLASS 3 CASTING SEE DTD 424 (LATEST ISSUE)

MACHINE TO MARKS.

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



END PLUG - PART 4

MATERIAL - MILD STEEL

SPEC. 9.6 (LATEST ISSUE)

SCALE - FULL SIZE

M/C ALL OVER

ISSUED BY DRAWING OFFICE
DIRECTORATE OF
TECHNICAL DEVELOPMENT
AIR MINISTRY

TITLE - OIL THERMOMETER
POCKET 1/8 S PIPE

Issue No.	1	2	3	4	5	6
Alteration No.						

DRAWN BY: W. FORTER
 CHECKED BY: S. S. ALMTT
 APPROVED BY: S. S. ALMTT

15.5.36
51888/36

ISSUE NO.
REV. NO.

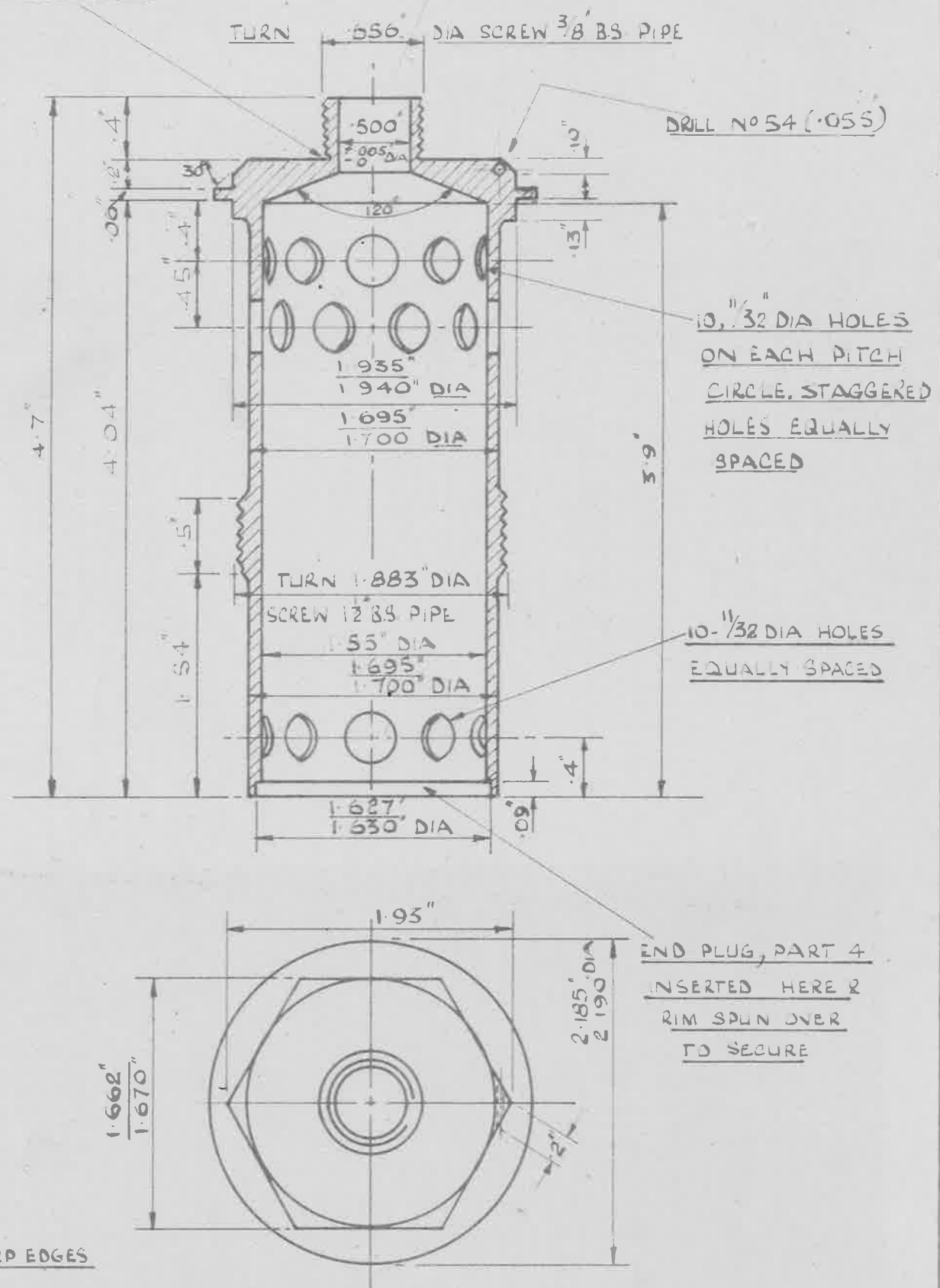
OBSOLESCE

SCREW THREADS TO BE IN ACCORDANCE WITH BS SPEC - B4 - 1940 FOR B S P MEDIUM FIT

OBSOLESCE

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

SEMI-CIRCULAR UNDERCUT TO BOTTOM OF THREAD



REMOVE SHARP EDGES

FINISH - CADMIUM PLATED

TO SPEC: D.T.D 904 (LATEST ISSUE)

SLEEVE PART 1

MATERIAL - MILD STEEL

SPEC - S11 (LATEST ISSUE)

M/C ALL OVER

SCALE - FULL SIZE

<u>ISSUED BY</u> ROYAL AIRCRAFT ESTABLISHMENT	<u>TITLE - OIL THERMOMETER</u> <u>POCKET 1/2" BS. PIPE</u>				<u>DRAWN</u> N-F FOSTER <u>CHECKED</u>	<u>RE-TRACED</u> GAF 915 QWRB <u>APPROVED</u>
	<u>ISSUE N°</u>	0				
	<u>ALTERATION N°</u>	AGS N° AGS 762				

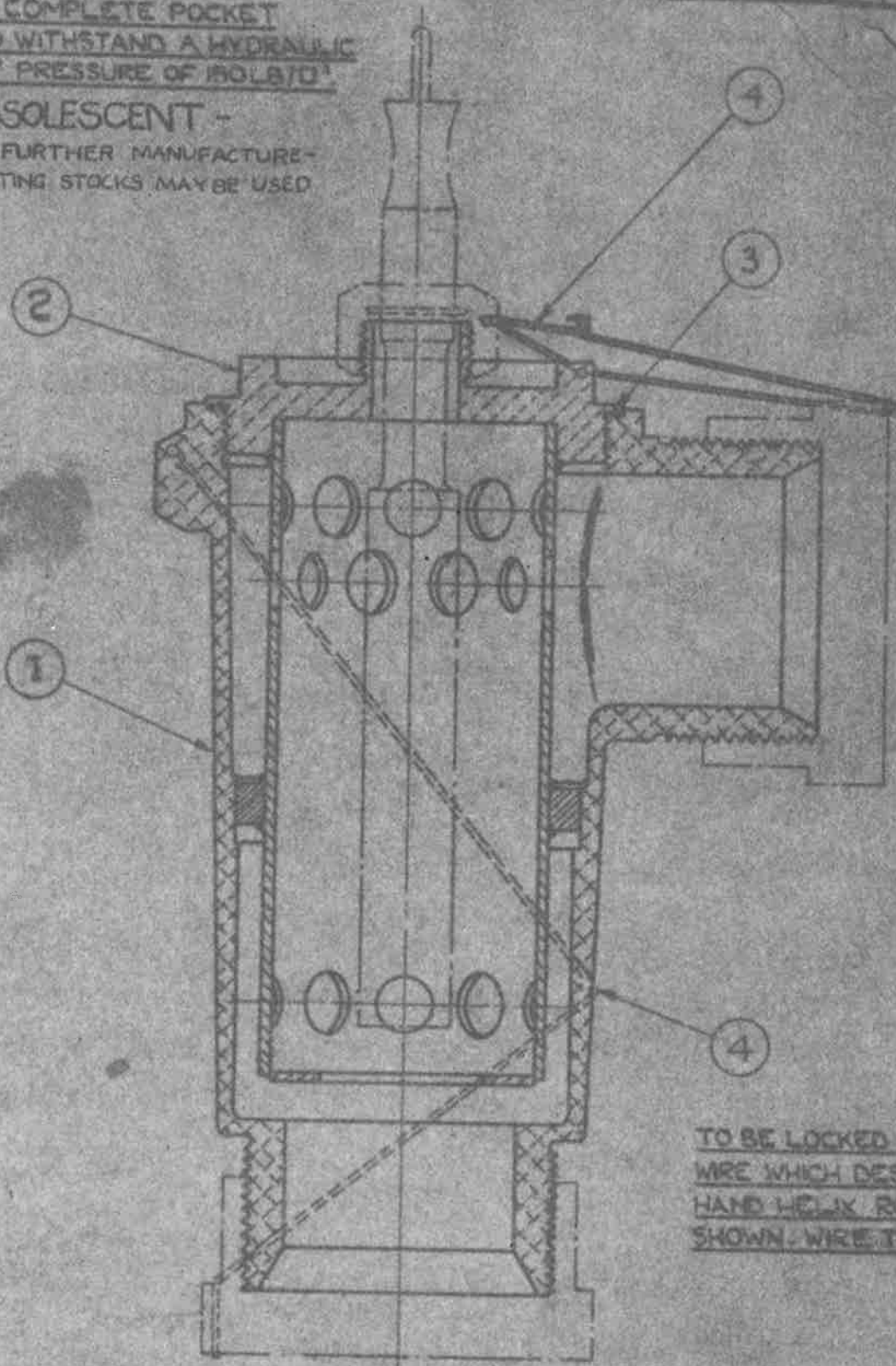
MANUFACTURE OF ARTICLES TO BE SUPPLIED TO
THE MINISTRY OF AIRCRAFT PRODUCTION.
TEST PRESSURE -

AGS No 965
SHEET No 1 / No of SHEETS

THE COMPLETE POCKET
IS TO WITHSTAND A HYDRAULIC
TEST PRESSURE OF 150 LB/D²

OBSOLESCENT -

NO FURTHER MANUFACTURE -
EXISTING STOCKS MAY BE USED
UP.



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

ELBOW TYPE
A.G.S. No 965/M/E

PART No	AGS. No	DESCRIPTION	No OFF	REMARKS
1	965/M 1	BODY CASTING	1	
2	965/M/2	SLEEVE	1	
3	N.D.	FIBRE WASHER	1	26" x 2 1/2" x 3/8"
4	N.D.	LOCKING WIRE	AS REQD	SEE A.G.S. No 763

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

TITLE:-- OIL THERMOMETER
POCKET 1/2" B.S PIPE

ISSUE No 2
ALTER No

DRAWN:
C.S. Allen

CHECKED

TRACED
MB
24-10-41

APPROVED

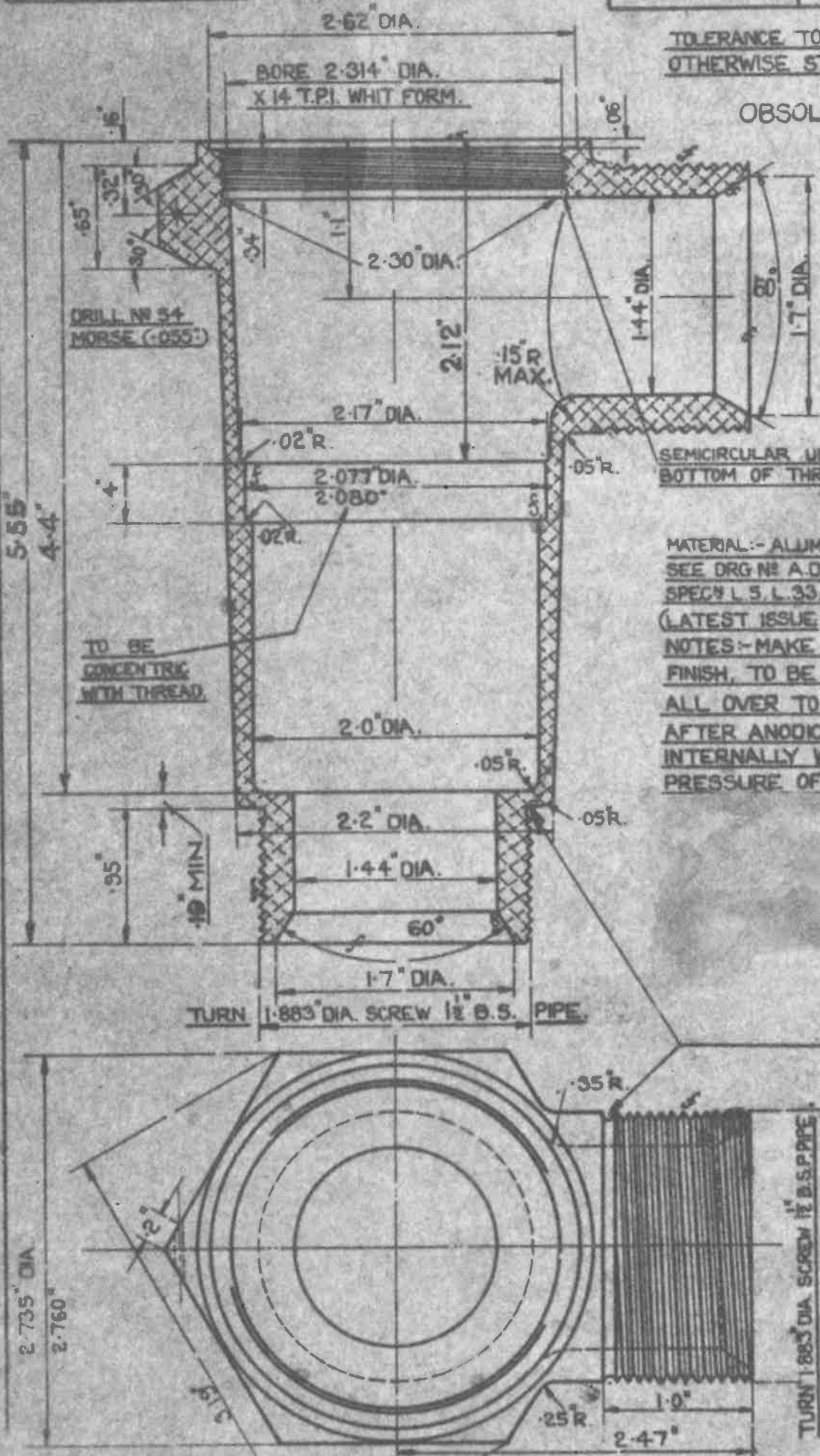
SCREW THREAD TO BE IN ACCORDANCE B.S. SPEC: B4-1940. FOR MEDIUM FIT.

MINISTRY OF AIRCRAFT PRODUCTION

A.G.S. No 965/M

SHEET No. 2 No. OF SHEETS 3

4-12-40
REV. 102.02



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

OBSOLESCE

SEMICIRCULAR UNDERCUT TO BOTTOM OF THREAD.

MATERIAL:- ALUMINIUM (CLASS 3 CASTING SEE DRG No A.D.15528-3 LATEST ISSUE SPECY L.S.L.33 OR D.T.D. 4-24.

(LATEST ISSUE.)
NOTES:- MAKE FROM DIECASTING FINISH, TO BE ANODICALLY TREATED ALL OVER TO D.T.D. SPECY No 910A. AFTER ANODICALLY TREATING TEST INTERNALLY WITH A HYDRAULIC PRESSURE OF 150 LB/D² (GAUGE.)

TO BE CONCENTRIC WITH THREAD.

.08 RAD

SCRAP SECTION SHOWING UNDER-CUT TO BOTTOM OF THREAD. SCALE - DOUBLE FULL SIZE.

MACHINE TO $\frac{1}{4}$ MARKS

SCALE - FULL SIZE.

BODY CASTING. PART 3

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

TITLE:-	OIL THERMOMETER POCKET 1 1/2" B.S. PIPE.		
ISSUE No.	1	2	3
ALTER ⁿ No.	MOD No AGS/432	AS No 663	AS No AGS/762

DRAWN	TRACED
C. G. Allen	A.F.M. 25-10-40.
CHECKED	APPROVED
[Signature]	[Signature]

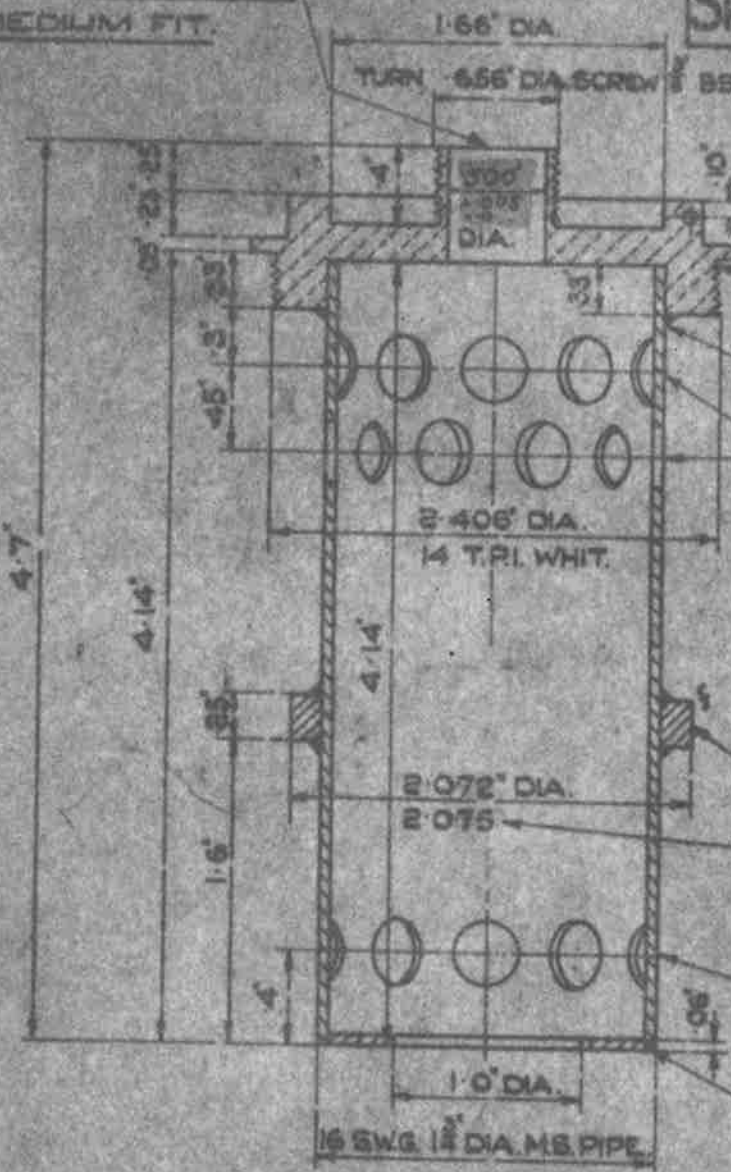
SCREW THREADS TO BE IN ACCORDANCE WITH BS SPEC. 94-1940 FOR MEDIUM FIT.
 THE ECCENTRICITY OF THE HOLE TO THE BS PIPE THREAD TO BE WITHIN 0.003

MINISTRY OF AIRCRAFT PRODUCTION.

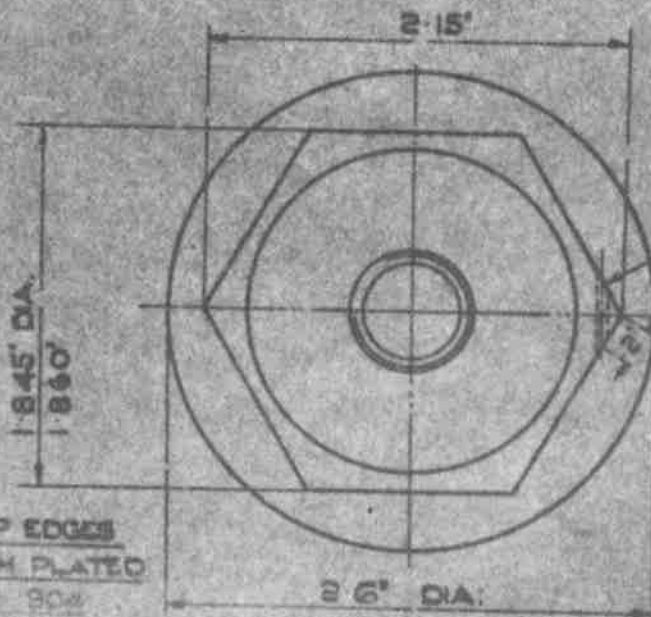
AGS No. 965

SHEET No. 3 No. OF SHEETS

9-12-42



OBSOLESCENT
 CAP TO BE M.C. ALL OVER
 SEMICIRCULAR UNDERCUT TO BOTTOM OF THREAD.
 M.S. PIPE TO BE WELDED INTO POSITION AS SHOWN.
 10-¹¹/₃₂ DIA HOLES ON EACH PITCH CIRCLE STAGGERED HOLES EQUALLY SPACED.
 STEEL RING TO BE SPOT WELDED INTO POSITION AS SHOWN.
 TO BE CONCENTRIC WITH THREAD.
 10-¹¹/₃₂ DIA HOLES EQUALLY SPACED.
 END PLUG INSERTED HERE AND WELDED INTO POSITION AS SHOWN.



DRILL N° 54 MORSE (055)

REMOVE SHARP EDGES
 ZINC CADMIUM PLATED
 BS SPEC. STD 904
 LATEST ISSUE

TOLERANCE TO BE ±.005 UNLESS OTHERWISE STATED.

SLEEVE . PART 2

MATERIAL - MILD STEEL
 SPEC: 3.6 & 2.T. 26
 LATEST ISSUE.

MACHINE TO MARKS.

ISSUE NO	OFFICE	TITLE - OIL THERMOMETER POCKET			DRAWN	TRACED	
	DEPT	1 1/2 BS PIPE					C. G. Allen
ALTER NO	MOD NO	ISSUE NO	1	2	3	CHECKED	APPROVED
		ALTER NO	102/632	102/526	102/762		