

FOR GENERAL REQUIREMENTS SEE R.A.E. TECH NOTE NO ENG 109,

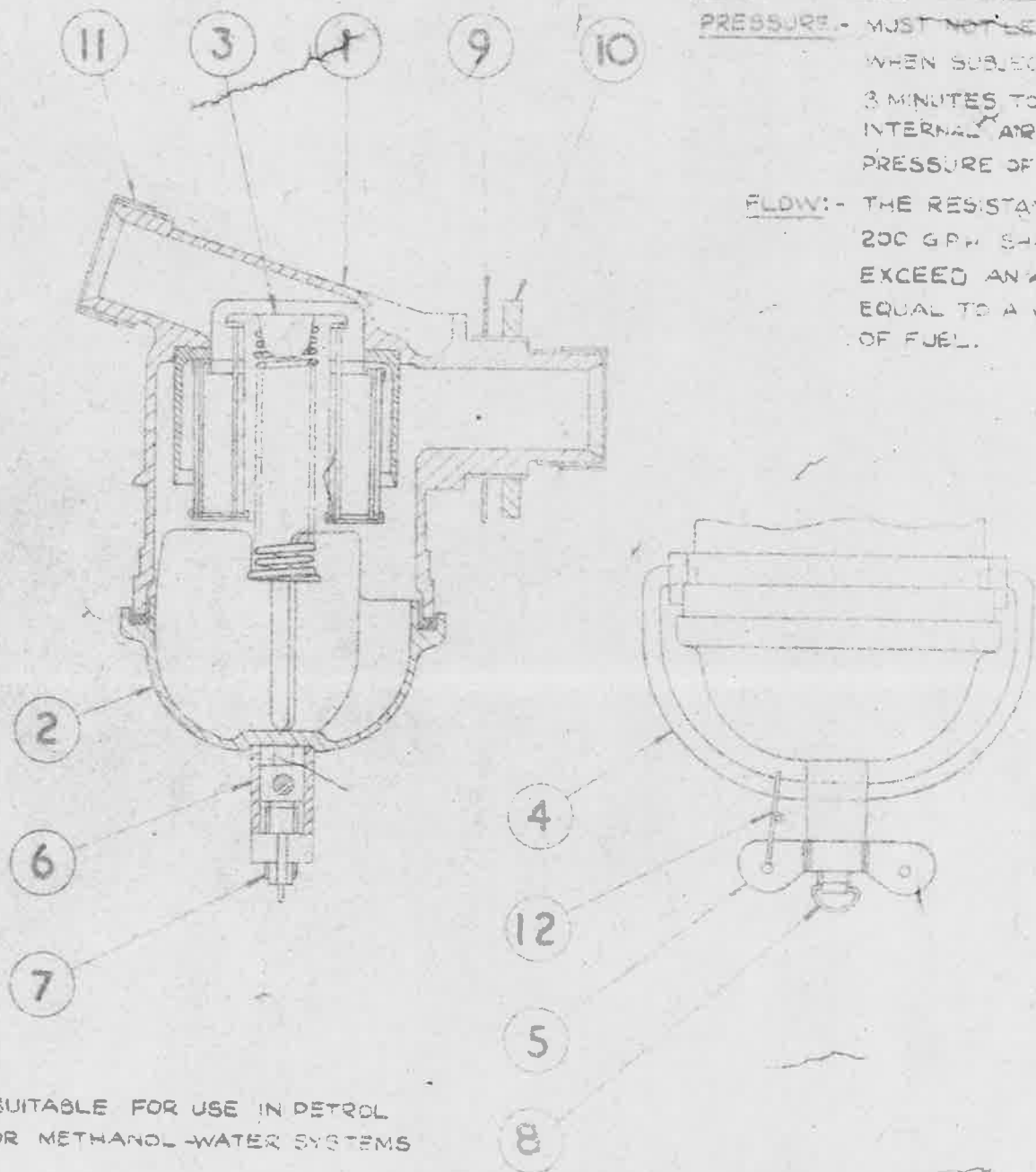
A.G.S. 1017

OBTAINABLE FROM THE DIRECTOR, ROYAL AIRCRAFT ESTABLISHMENT

SOUTH FARNBOROUGH, HANTS.

TESTS FOR COMPLETE ASSEMBLY

PRESSURE - MUST NOT LEAK
 WHEN SUBJECTED FOR
 3 MINUTES TO AN
 INTERNAL AIR
 PRESSURE OF 30 P.S.I.
FLOW:- THE RESISTANCE AT
 200 G.P.H. SHALL NOT
 EXCEED AN AMOUNT
 EQUAL TO A 6" HEAD
 OF FUEL.



SUITABLE FOR USE IN PETROL
 OR METHANOL-WATER SYSTEMS

SCALE 1/2"

ITEM NO.	AGS NO.	DESCRIPTION.	NO. OFF.	REMARKS.
1	1017 SHT 2	CASING TOP HALF ASSY.	1	SIMILAR TO AGS 1002 PARTS 1, 2, 3, 4, 5
2	1017 * 3	CASING BOTTOM HALF ASSY.	1	
3	1017 * 4	STRAINER ASSY.	1	
4	1017 * 5	STIRRUP.	1	PART 10
5	1017 * 5	STIRRUP NUT	1	
6	1017 * 6	STIRRUP DISTANCE PIECE	1	
7	1017 * 6	STIRRUP EYE BOLT	1	
8	1017 * 6	O RING	1	
9	1017 * 7	TAB WASHER	1	
10	1017 * 7	UNION LOCKNUT	1	
11	597/H	PROTECTION CAP	2	
12	N.D.	LOCKING WIRE, 16 SWG COPPER		LENGTH TO SUIT

TITLE:- FILTER FUEL TYPE B * 200 GALLONS PER HOUR.

ISSUE 1

ALT NO. MOD. 499/130

R.A.E. APPROVAL		AD. S.A.E. APPROVAL	
SIGNATURE	DATE	SIGNATURE	DATE
[Signature]	15-10-48	[Signature]	14/5/49
SHEET NO. 7		A.G.S. NO. 1017.	
NO. OF SHEETS 7			

MINISTRY OF SUPPLY
 APPLICATIONS FOR A.G.S. SHEETS TO:
 A.T.P. 4A, THAMES HOUSE, MILLBANK, S.W.1.

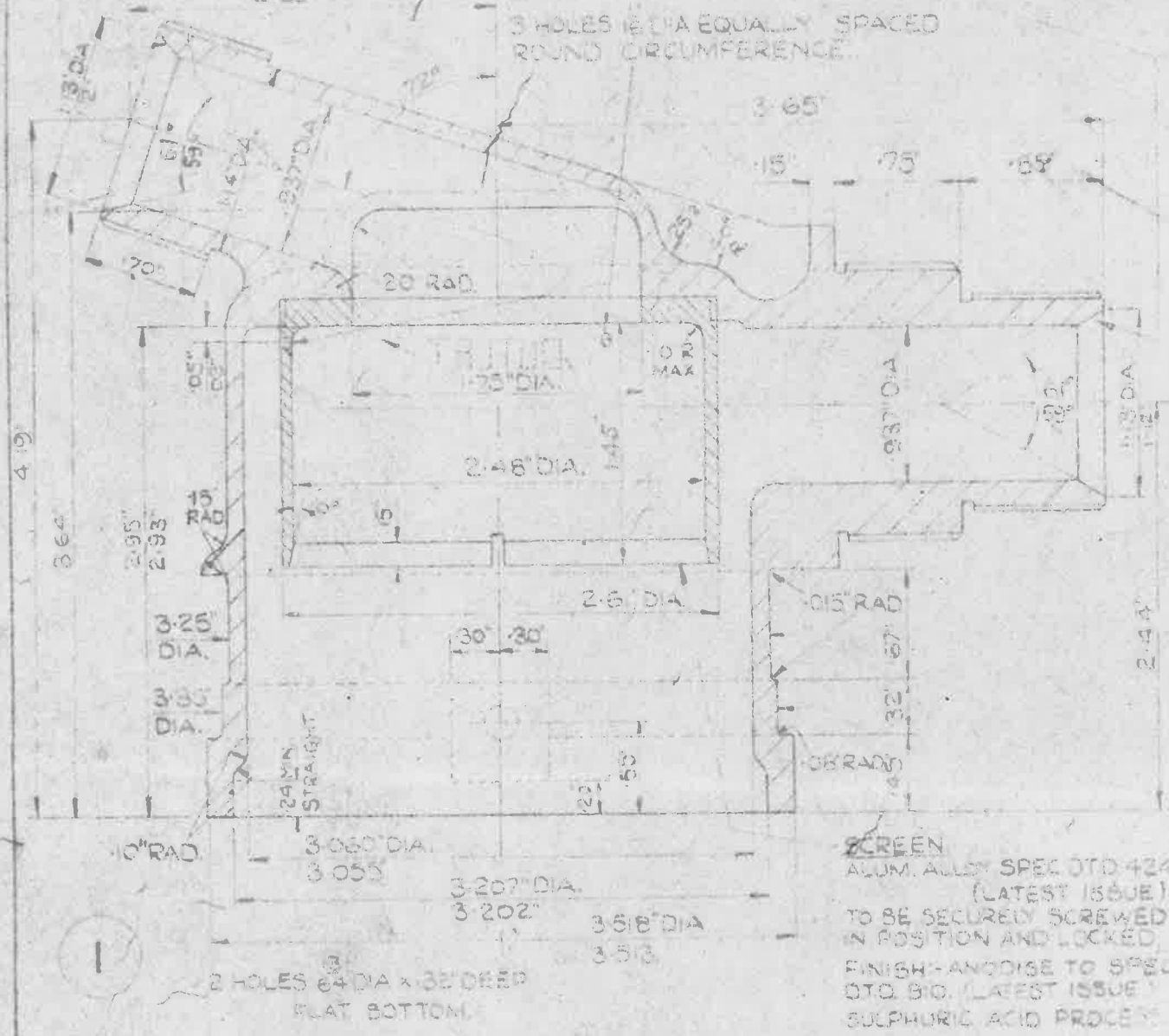
GENERAL INQUIRIES TO:-
 AD. S.A.E. THAMES HOUSE, MILLBANK, S.W.1.

x13

AGS 1017

CONE FINISHED SMOOTH FREE FROM TOOL MARKS TO BE CONCENTRIC WITH THREAD WITHIN .005 T.C.R.

3 HOLES .64 DIA EQUALLY SPACED ROUND CIRCUMFERENCE.



SCREEN
 ALUM. ALLOY SPEC DTD 424 (LATEST ISSUE)
 TO BE SECURELY SCREWED IN POSITION AND LOCKED.
 FINISH-ANDISE TO SPEC DTD 910 (LATEST ISSUE) SULPHURIC ACID PROCESS.
CASING, TOP HALF
 ALUM ALLOY SPEC DTD 424 (LATEST ISSUE)
 FINISH-ANDISE TO SPEC DTD 910 (LATEST ISSUE) SULPHURIC ACID PROCESS.

2 HOLES .64 DIA X .30 DEEP FLAT BOTTOM.

OUTLET
 CAST ON IN RAISED CHARACTERS

CLEARLY AND PERMANENTLY MARKED AS SHOWN.

TOP CAST ON IN RAISED CHARACTERS.

CHAMFER AT 45° TO CORE DIA.

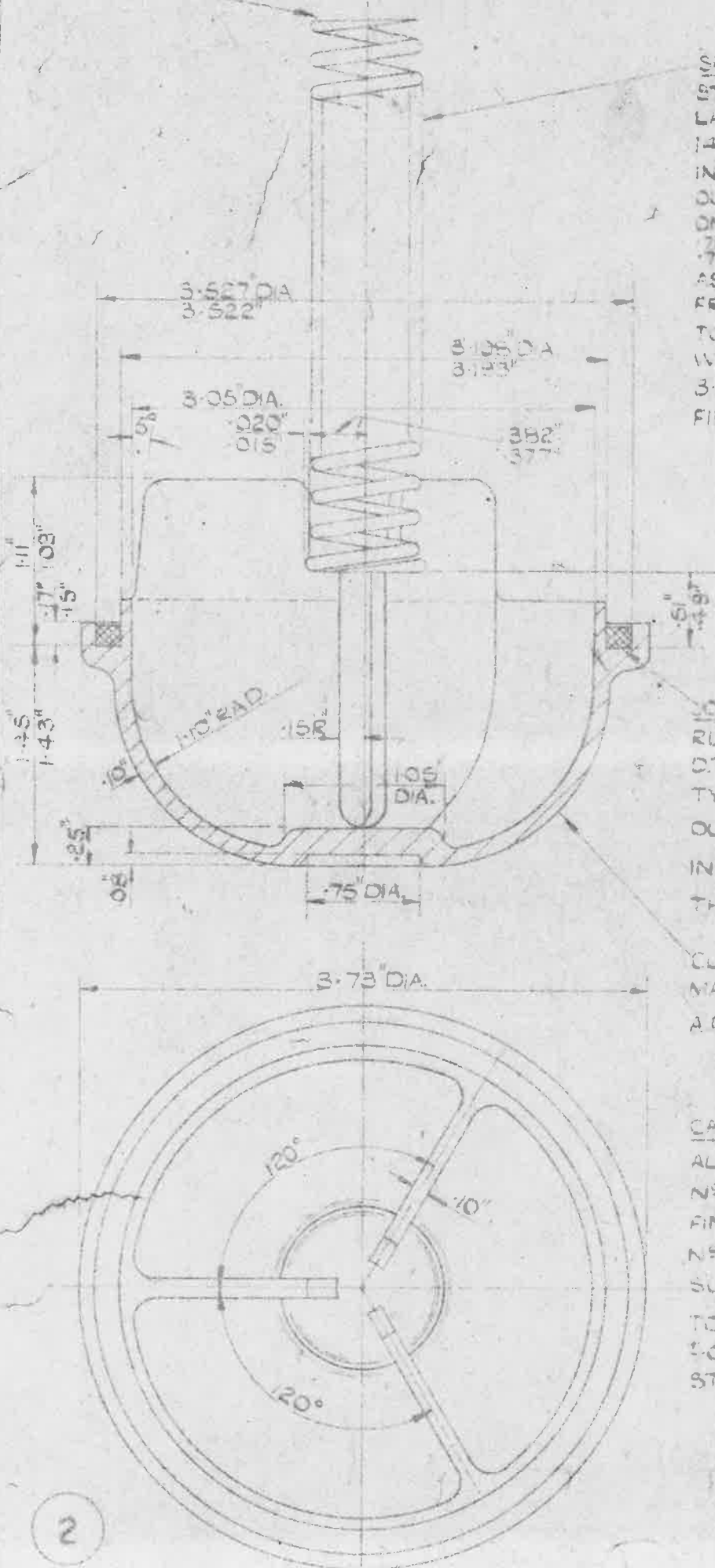
TOLERANCE .005 UNLESS OTHERWISE STATED. SCREW THREADS TO BE IN ACCORDANCE WITH BS SPEC 84-1990 FOR B.S.P MEDIUM FIT.

FULL SIZE.

TITLE: - FILTER FUEL TYPE B * CASING TOP HALF ASSY		ISSUE	2					
		ALTN						
MINISTRY OF SUPPLY APPLICATIONS FOR AGS SHEETS TO: ATRAA, THAMES HOUSE, MILLBANK, S.W.1. GENERAL INQUIRIES TO: A.D.S.A.E. THAMES HOUSE, MILLBANK, S.W.1.		RAE APPROVAL		AD. S.A.E. APPROVAL				
		SIGNATURE		DATE		SIGNATURE		DATE
		SHEET NO		2		A.G.S. NO 1017.		
		NO OF SHEETS						

THIS END GROUND FLAT FOR $\frac{1}{3}$ OF A TURN.

A.G.S. 1017.



SPRING
 STEEL TO SPEC NO DTD. 326.
 LATEST ISSUE
 14 SWG (08)
 INSIDE DIA. .57" MIN.
 OUTSIDE DIA. .75" MAX
 ONE END COIL TO BE
 $\frac{1}{8}$ " OUTSIDE DIA TO ACT
 AS RETAINER
 FREE LENGTH 3.6 APPROX.
 TO GIVE A LOAD OF 21.5 LBS
 WHEN COMPRESSED TO
 3.02 LENGTH
 FINISH- CLEAN.

JOINTING WASHER.
 RUBBER TO PROV SPEC. NO
 DTD. 560 QUALITY R
 TYPE 1 GRADED.
 OUTSIDE DIA. 3.43"
 INSIDE DIA. 3.47"
 THICKNESS .13"

CLEARLY AND PERMANENTLY
 MARK.

A.G.S. 1017-2 ON THIS FACE

CASING, BOTTOM HALF
 ALUMINIUM ALLOY TO SPEC.
 NO DTD. 424 LATEST ISSUE
 FINISH. ANODISED TO SPEC.
 NO DTD. 910. LATEST ISSUE.
 SULPHURIC ACID PROCESS.
 TOLERANCE TO BE WITHIN
 $\pm .005$ UNLESS OTHERWISE
 STATED.

FULL SIZE

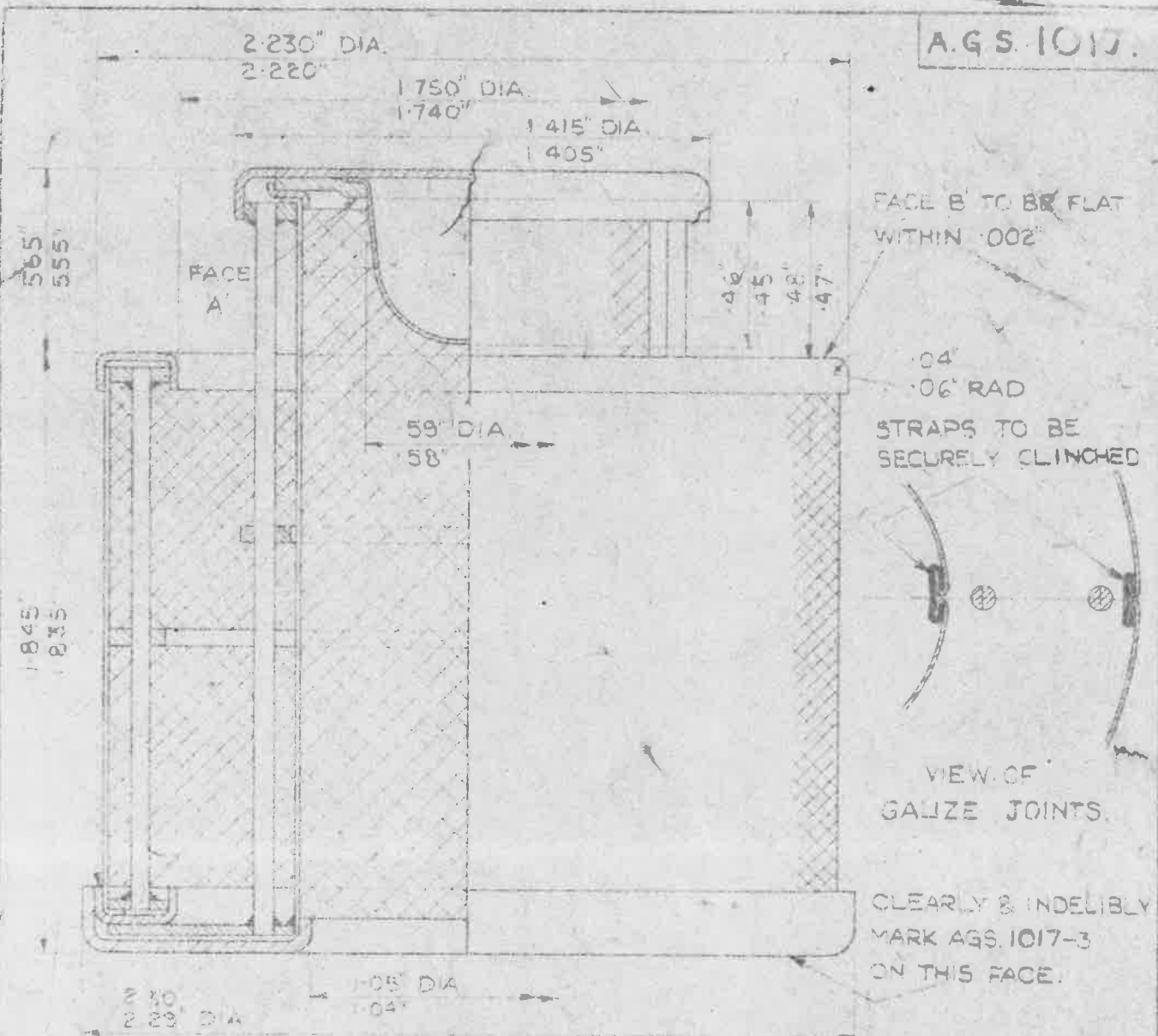
TITLE:- FILTER FUEL TYPE B
 CASING, BOTTOM HALF ASSY.

ISSUE	1				
ALTN	VOD AGS.720				
R.A.E. APPROVAL		AD. S.A.E. APPROVAL			
SIGNATURE	DATE	SIGNATURE	DATE		
<i>A. Dold</i>	15/10/49	<i>G. I. ...</i>	14/3/49		
SHEET NO	3	A.G.S. NO 1017.			
NO OF SHEETS	7				

MINISTRY OF SUPPLY
 APPLICATIONS FOR A.G.S. SHEETS TO:
 A.T.P.4A, THAMES HOUSE, MILLBANK, S.W.1.
 GENERAL INQUIRIES TO:-
 AD. S.A.E. THAMES HOUSE, MILLBANK, S.W.1.

3' x 13'

A.G.S. 1017



THIS CULOT TO BE AN EASY PUSH FIT INTO OUTER FLANGED RING SO AS TO BE EASILY SEPARATED FOR CLEANING.

GAUZE - TWILL WOVEN IN BRASS OR PHOS BRONZE AND FINISHED CLEAN. INNER GAUZE MUST BE ASSEMBLED ON THE INSIDE AND OUTER GAUZE ON THE OUTSIDE OF THEIR RESPECTIVE SUPPORTS.

THE GAUZE AREA MUST BE FREE FROM KINKS AND ALL JOINTS SECURELY MADE WITHOUT GAPS. TOTAL MIN EFFECTIVE FILTER AREA TO BE
GAUZE INNER - MESH 80. 40 SWG. (0048) 17.46 SQ. IN.

THE SAME GAUZE OF WIRE TO BE USED ON WARP AND WEFT.
GAUZE OUTER - MESH 100 x 2 x 120 x 4. WIRE 100 MESH 40 SWG. (0048)
 WIRE 120 MESH 41 SWG. (0044) WEIGHT 2 3/4 - 2 1/2 OZS PER SQ FT

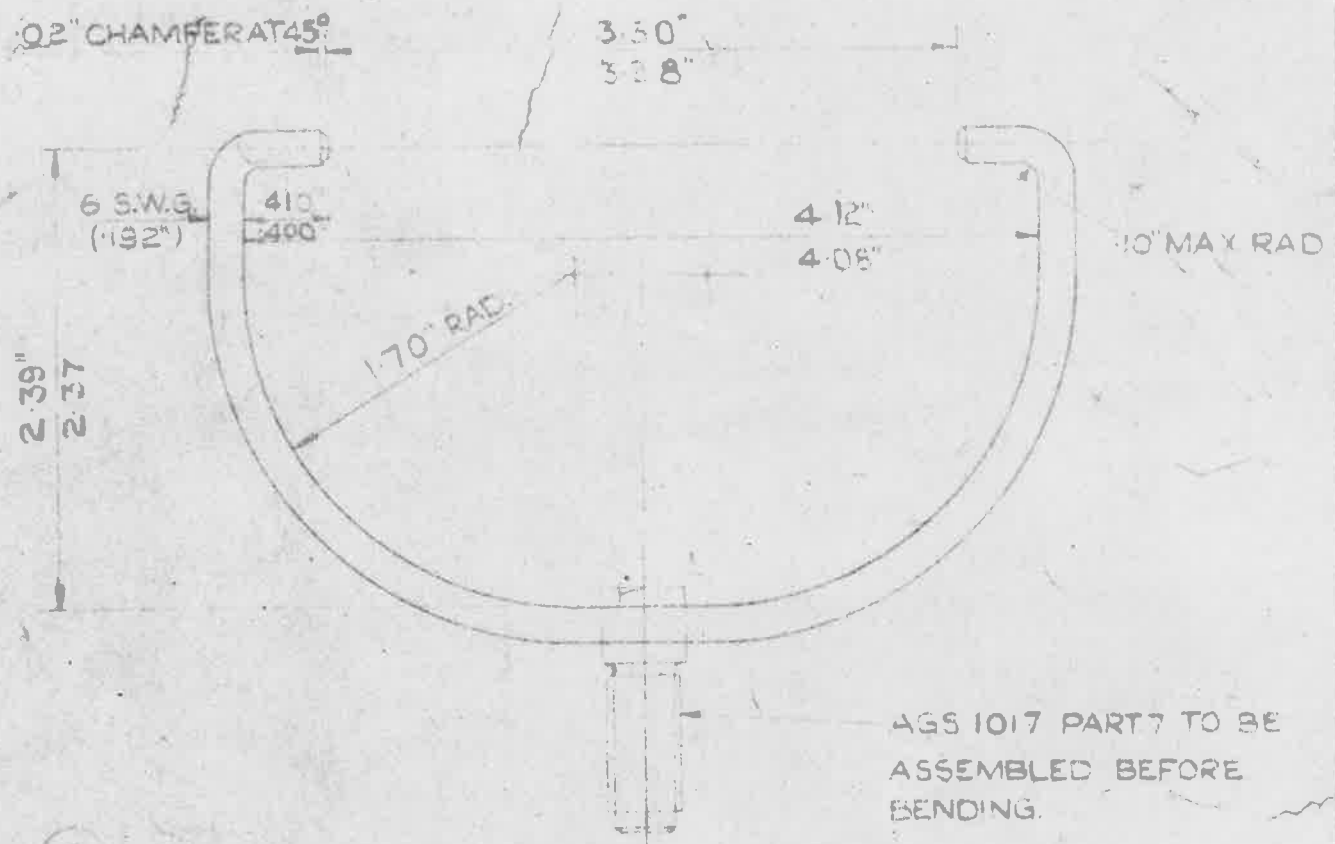
BODY - MATERIAL BRASS TO SPEC BS 265 LATEST ISSUE AND HARD DRAWN BRASS WIRE FABRICATED AND SECURELY SOLDERED.

FINISH - FACE B TINNED TO SPEC DTD 924 (LATEST ISSUE)

GENERAL INFORMATION - WIDTH OF SOLDERED JOINTS MUST NOT EXCEED 8 AND SOLDER MUST NOT RUN ON UNRESTRICTED FILTER GAUZE AREA, FLUX RESIDUES MUST BE REMOVED. REMOVE ALL SHARP EDGES. THE COMPLETE ASSEMBLY MUST WITHSTAND A STEADY UPWARD LOAD OF 12 LBS. APPLIED TO FACE A AND RESISTED ON FACE B

MAXIMUM WEIGHT:- 5 OZS. 3 SCALE - 2

TITLE:- FILTER FUEL TYPE B * STRAINER ASSY.	ISSUE	1			
	ALTNº	MOD	AGS 736		
MINISTRY OF SUPPLY APPLICATIONS FOR A.G.S. SHEETS TO:- ATR 4A, THAMES HOUSE, MILLBANK, S.W.1. GENERAL INQUIRIES TO:- A.D. S.A.E. THAMES HOUSE, MILLBANK, S.W.1.	R.A.E. APPROVAL		A.D. S.A.E. APPROVAL		
	SIGNATURE	DATE	SIGNATURE	DATE	
	SHEET Nº	4	A.G.S. Nº 1017		
	Nº OF SHEETS	7			



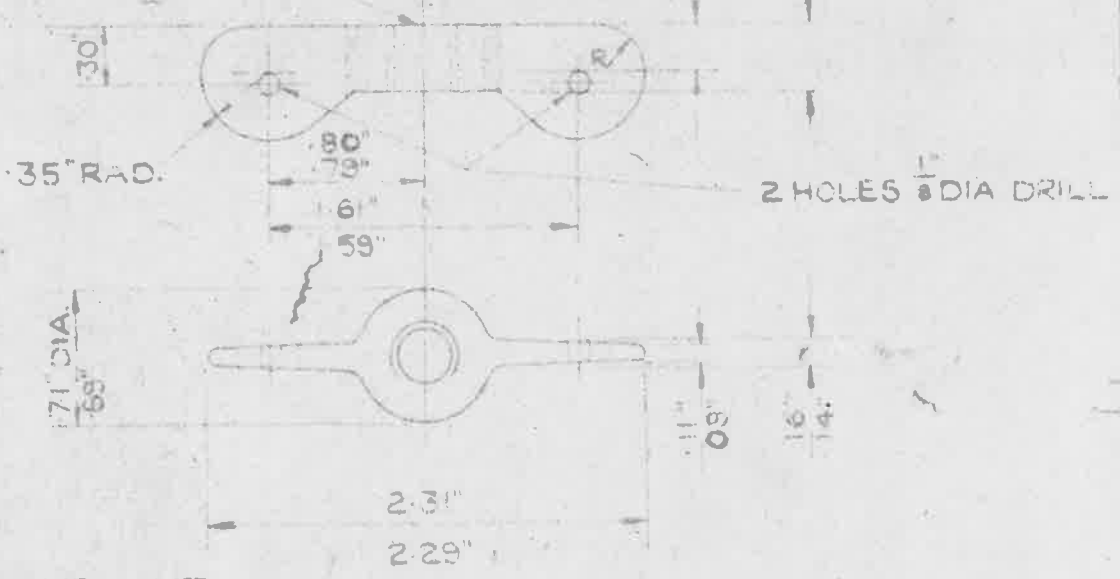
AGS 1017 PART 7 TO BE ASSEMBLED BEFORE BENDING.

4 STIRRUP

MATL - SPRING STEEL SPEC DTD 215 (LATEST ISSUE)
 FINISH CADMIUM PLATED TO SPEC DTD 304 (LATEST ISSUE)
 TOGETHER WITH PART 7

FULL SIZE

TAP $\frac{3}{8}$ B.S.P. TO B.S. SPEC. 84-1940 MEDIUM FIT



5 STIRRUP NUT

MATL - BRASS B.S. SPEC. 218 LATEST ISSUE
 FINISH TINNED TO SPEC DTD 924 (LATEST ISSUE)

FULL SIZE

TITLE: - FILTER FUEL TYPE B & STIRRUP AND STIRRUP NUT

ISSUE	1	2				
ALT NO						
S.A.E. APPROVAL			AD S.A.E. APPROVAL			
SIGNATURE		DATE		SIGNATURE		DATE
SHEET NO		5		A.G.S. No 1017		
NO OF SHEETS		7				

MINISTRY OF SUPPLY
 APPLICATIONS FOR A.G.S. SHEETS TO:
 ATP 4A, THAMES HOUSE, MILBANK, S.W.1
 GENERAL INQUIRIES TO:-
 AD S.A.E. THAMES HOUSE, MILBANK, S.W.1

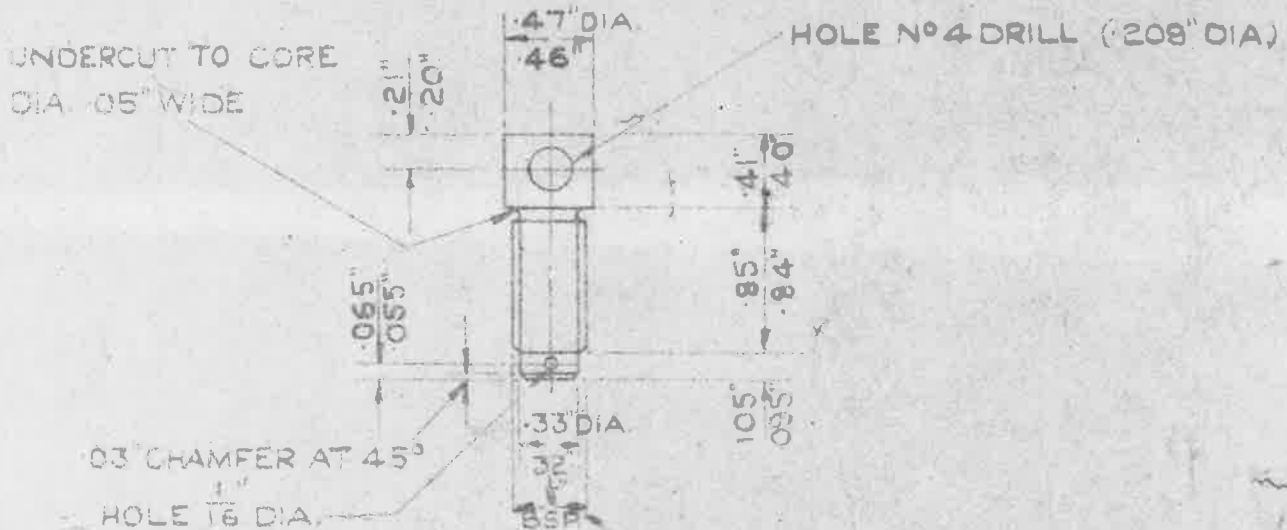


6

STIRRUP DISTANCE PIECE

MATERIAL - BRASS B.S. SPEC. NO 249 LATEST ISSUE
 FINISH - TINNED TO SPEC. DTD. 924 (LATEST ISSUE)

FULL SIZE



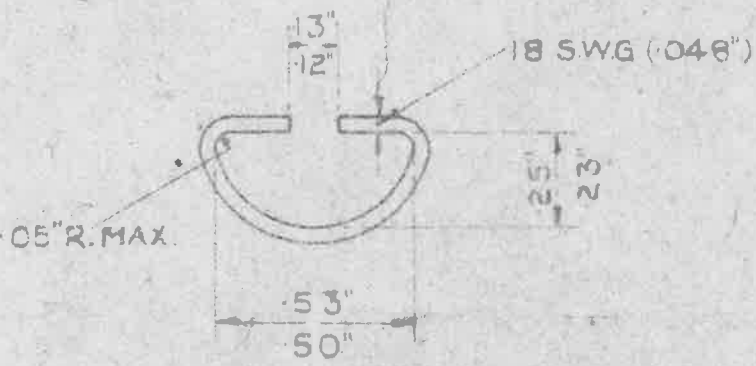
7

STIRRUP EYE BOLT

SCREW THREAD TO B.S. SPEC. 84 - 1340 MED. FIT.

MATERIAL - STEEL B.S. SPEC. S1. (LATEST ISSUE)
 FINISH - CADMIUM PLATED TO SPEC. DTD. 904 LATEST ISSUE TOGETHER WITH PART 6

FULL SIZE



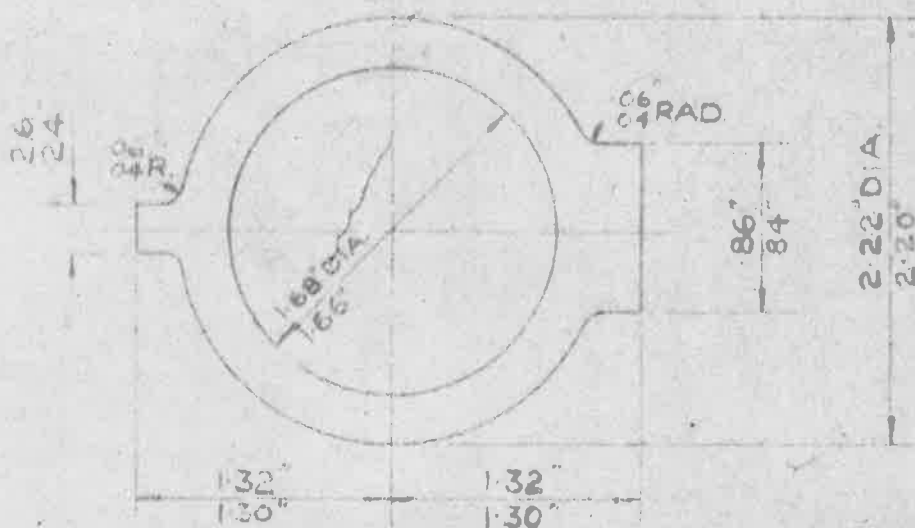
8

'D'RING

MATERIAL - BRASS
 FINISH - CADMIUM PLATED TO SPEC. DTD. 904 LATEST ISSUE

SCALE - 2:1

TITLE - FILTER FUEL TYPE B * STIRRUP DISTANCE PIECE, EYE BOLT & 'D' RING	ISSUE	1			
	ALTN	MOD	APP	730	
MINISTRY OF SUPPLY APPLICATIONS FOR A.G.S. SHEETS TO ATP 4A, THAMES HOUSE, MILLS BANK, S.W.1. GENERAL INQUIRIES TO - AD. S.A.E. THAMES HOUSE, MILLS BANK, S.W.1.	R.A.E. APPROVAL		AD. S.A.E. APPROVAL		
	SIGNATURE	DATE	SIGNATURE	DATE	
	SHEET NO	6	A.G.S. N91017		
	NO OF SHEETS	7			

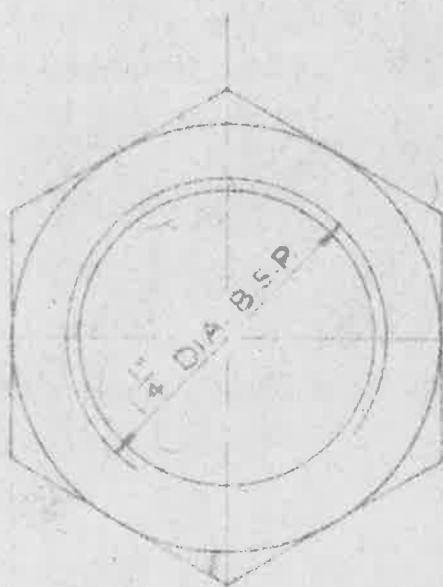


9 TAB WASHER

MATERIAL - STEEL 18 SW.G. (.048") TO B.S. SPEC. 584, LATEST ISSUE.
 FINISH - CADMIUM PLATED TO SPEC. DTD 904 LATEST ISSUE.

FULL SIZE.

SCREW THREAD TO B.S. SPEC 84 - 1940
 MEDIUM FIT.



2.22
2.20

.20
.19

10 UNION LOCKNUT

MATERIAL - STEEL TO B.S. SPEC 51, LATEST ISSUE.
 FINISH - CADMIUM PLATED TO SPEC. DTD 904 LATEST ISSUE.

FULL SIZE.

TITLE - FILTER FUEL TYPE B * TAB WASHER AND UNION LOCKNUT	ISSUE 1				
	ALTN 100 AGS/735				
MINISTRY OF SUPPLY APPLICATIONS FOR A.G.S. SHEETS TO: AT 4A THAMES HOUSE, MILLSBANK, S.W.1. GENERAL INQUIRIES TO:- AD. S.A.E. THAMES HOUSE, MILLSBANK, S.W.1.	R.A.E. APPROVAL		AD. S.A.E. APPROVAL		
	SIGNATURE G. J. Taylor	DATE 5.10.48	SIGNATURE G. J. Taylor	DATE 14/3/49	
SHEET NO. 7	A.G.S. No 1017				
NO. OF SHEETS 7					