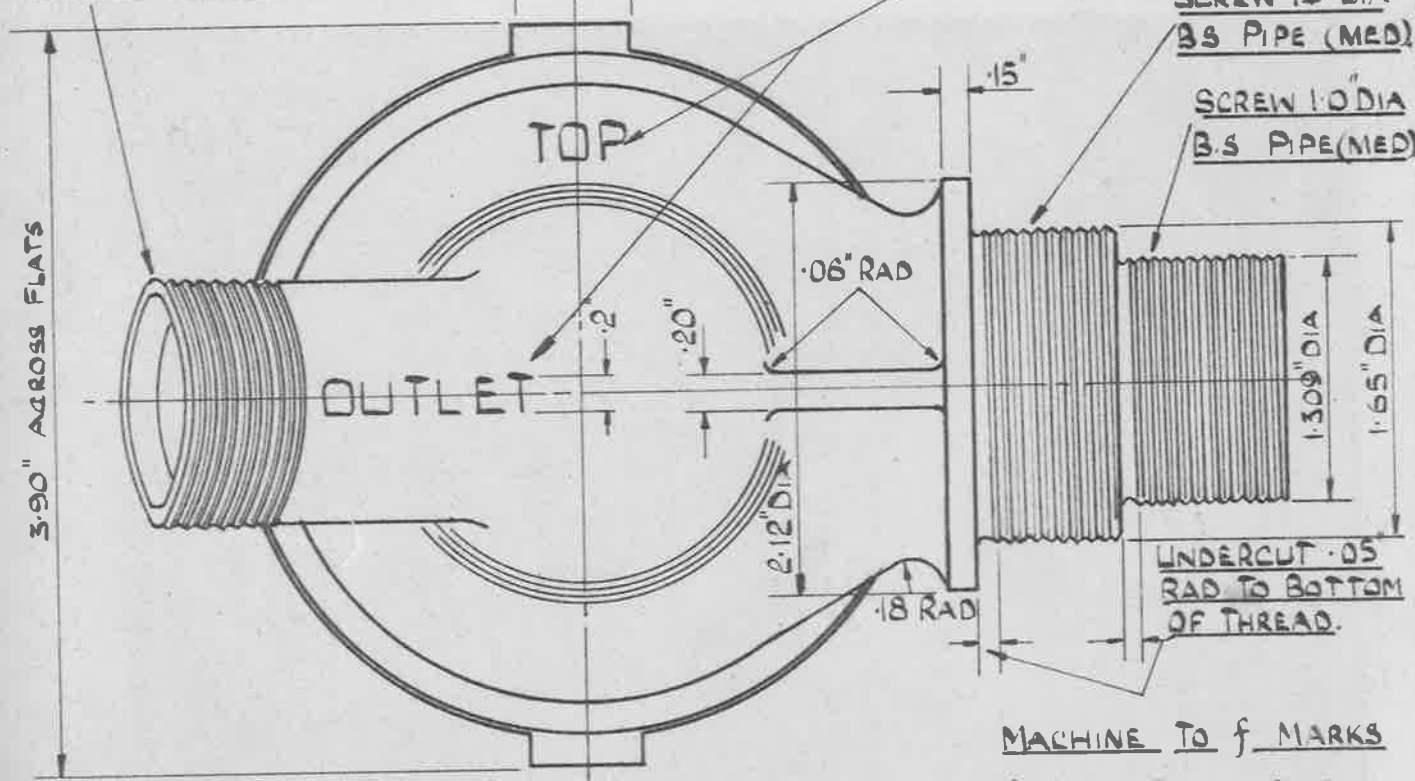


OBSOLESCE

① FILTER CASING (BODY)
SEE ALSO SHEET 2

ECCENTRICITY BETWEEN CONES, & THREAD NOT TO EXCEED .005"

RAISED LETTERS (10) CAST ON. (SEE NOTE ON SHEET 2.)



MACHINE TO f MARKS
SCALE :- FULL SIZE

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

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT.

TITLE: R.A.E. PETROL FILTER.

ISSUE NO	9	10		
ALTERATION NO	AGS 155	AGS 157		

RETRACED GOVERNMENT AIRCRAFT FACTORY 26-1-50

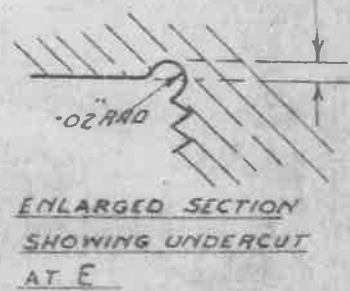
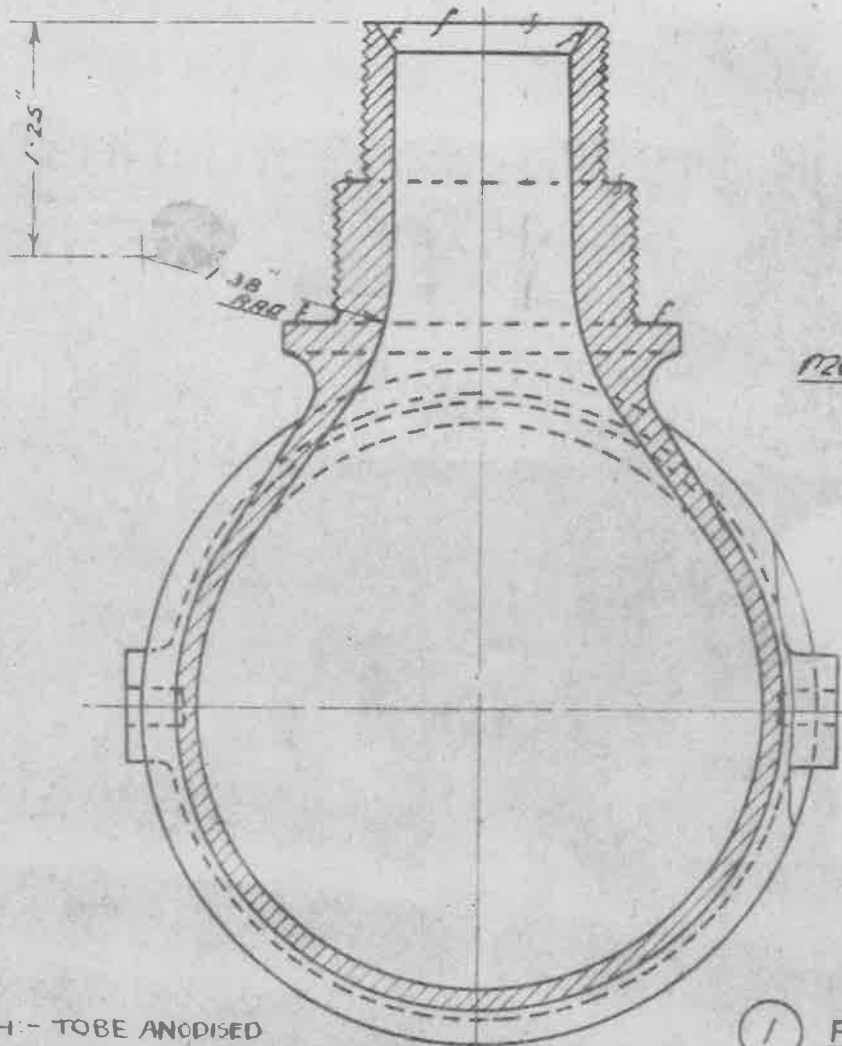
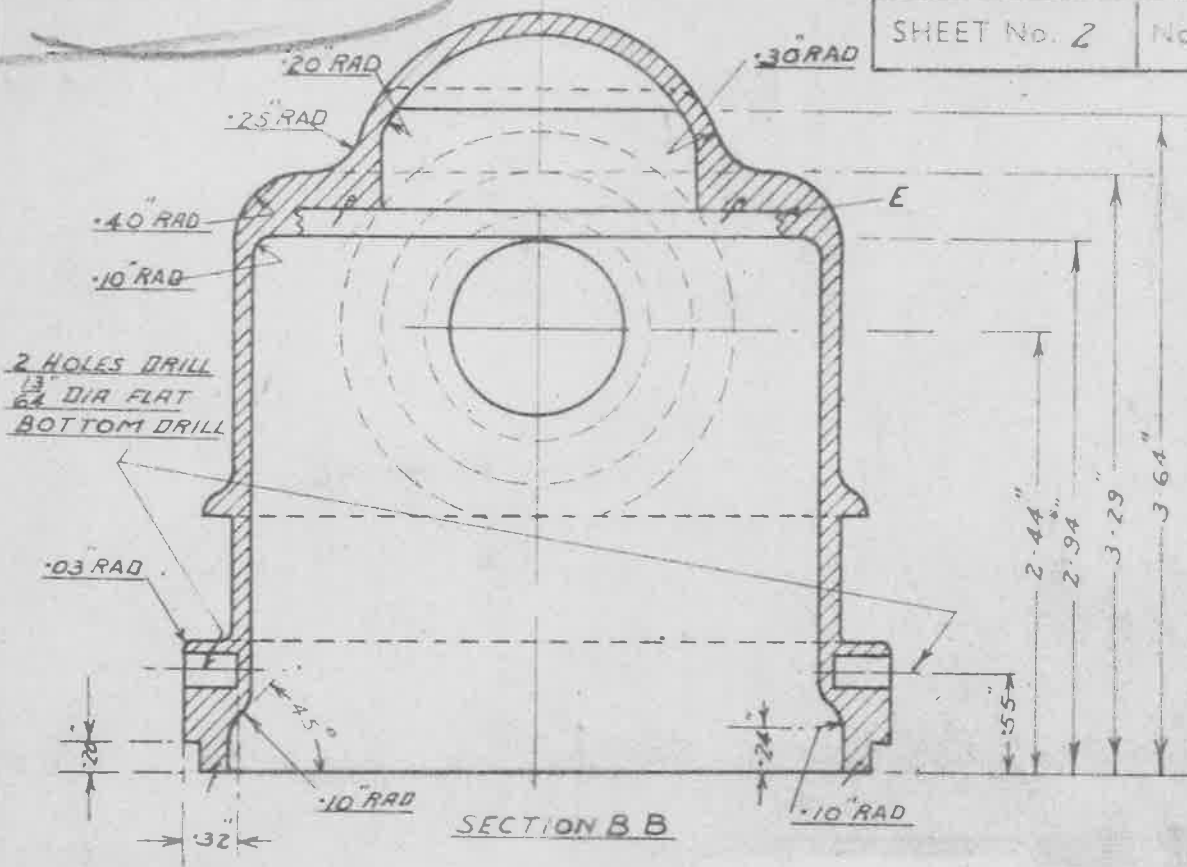
OBSOLESCE

AIR MINISTRY A.G.S. No. 1002

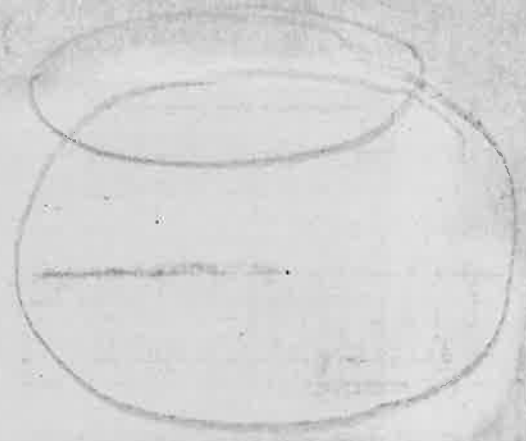
SHEET No. 2

No. of SHEETS 11

29.9.38
787299/38



make from die casting



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

SECTION A.A.

MACHINE TO MARKS

1 FILTER CASING (BODY)

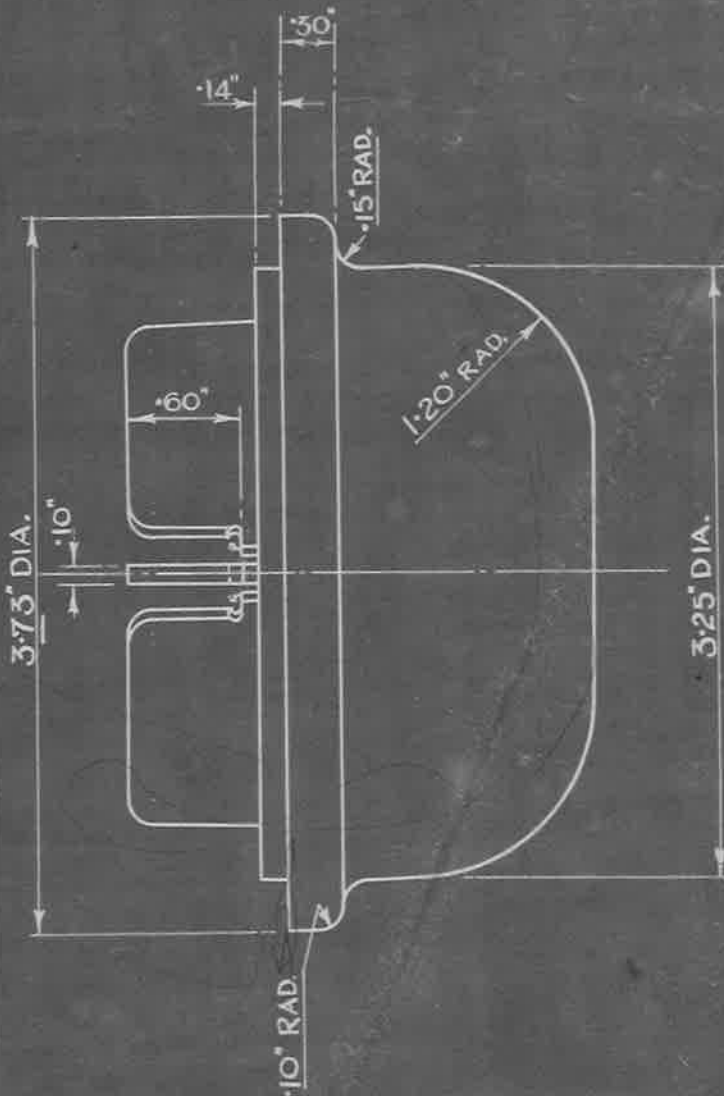
SEE ALSO SHEET 1

MATERIAL - ALUMINIUM ALLOY

SPEC:- NO D.T.D. 424 (LATEST ISSUE)

SCALE:- FULL SIZE

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— R R E PETROL FILTER						RETRACED FOR A.P.C. S.A.T. 18-9-41	DRAWN L HADLER	DATE BP 18.8.38
	ISSUE No.	X	2	3	4	5	CHECKED BY F. GREEN	APPROVED A. PITT	
	ALTERATION		MOD. No AGS/375	MOD. AGS/407	MOD. AGS/222	MOD. AGS/222	AS. No AGS/737		20-8-38



NOTES: MAKE FROM DIE CASTING.

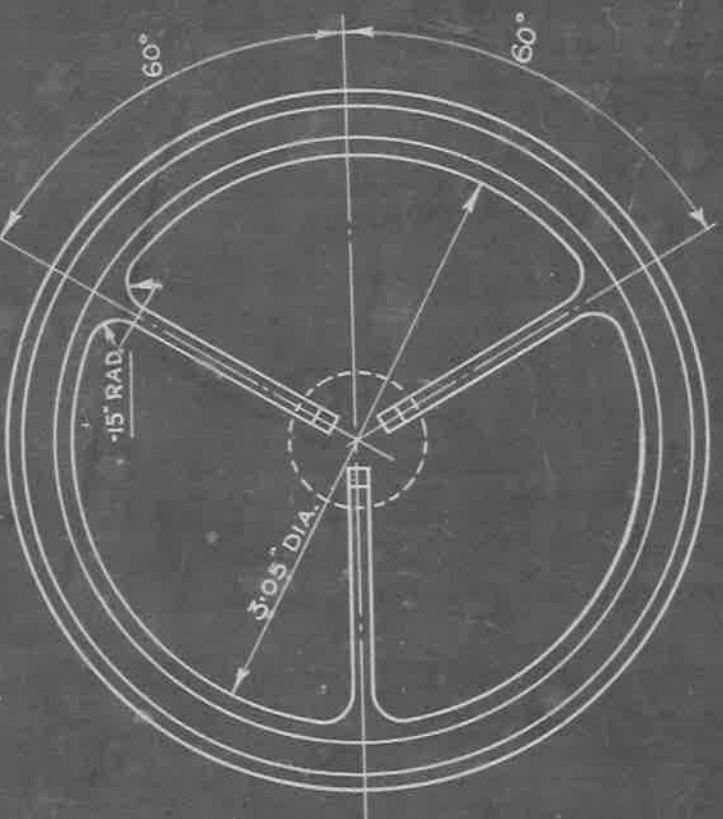
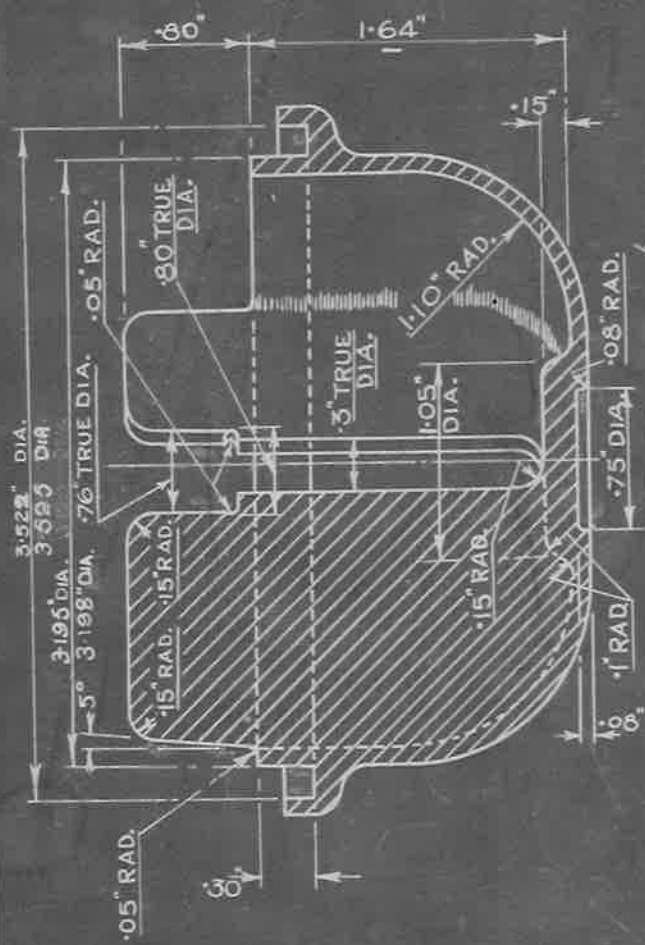
TEST INTERNALLY WITH A HYDRAULIC PRESSURE OF 2016/0" (GAUGE)

MATERIAL - ALUMINIUM ALLOY
SPEC. NO D.T.D.424

CONTRACTORS ARE RECOMMENDED TO CONSULT THE DIRECTOR OF CASTINGS, ALUMINIUM CONTROL, MINISTRY OF AIRCRAFT PRODUCTION, BANBURY, BEFORE PROCEEDING TO USE. MATERIAL TO SPEC. D.T.D.424.

② FILTER CASING. (BASE)

SCALE:- FULL SIZE.



ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY

TITLE— R.A.E. PETROL FILTER

RETRACED FOR A.P.C. R.J. HORTLE

DRAWN L. HADLER.

TRACED G.W. 17-8-35

ISSUE No.	1	2	3	4	5
MOD. No.	AGS/361	AGS/375	AGS/407	AGS/419	RES 244
ALTERATION	4.10.38	1.3.39	21.4.41	2.7.42	27.11.42

CHECKED N.F. GREEN
BY: YOUNGSON, E.A.

APPROVED

OBSOLESCENT.

SOLDERED JOINTS NOT TO EXCEED .125" WIDE

GAUZE 'B'

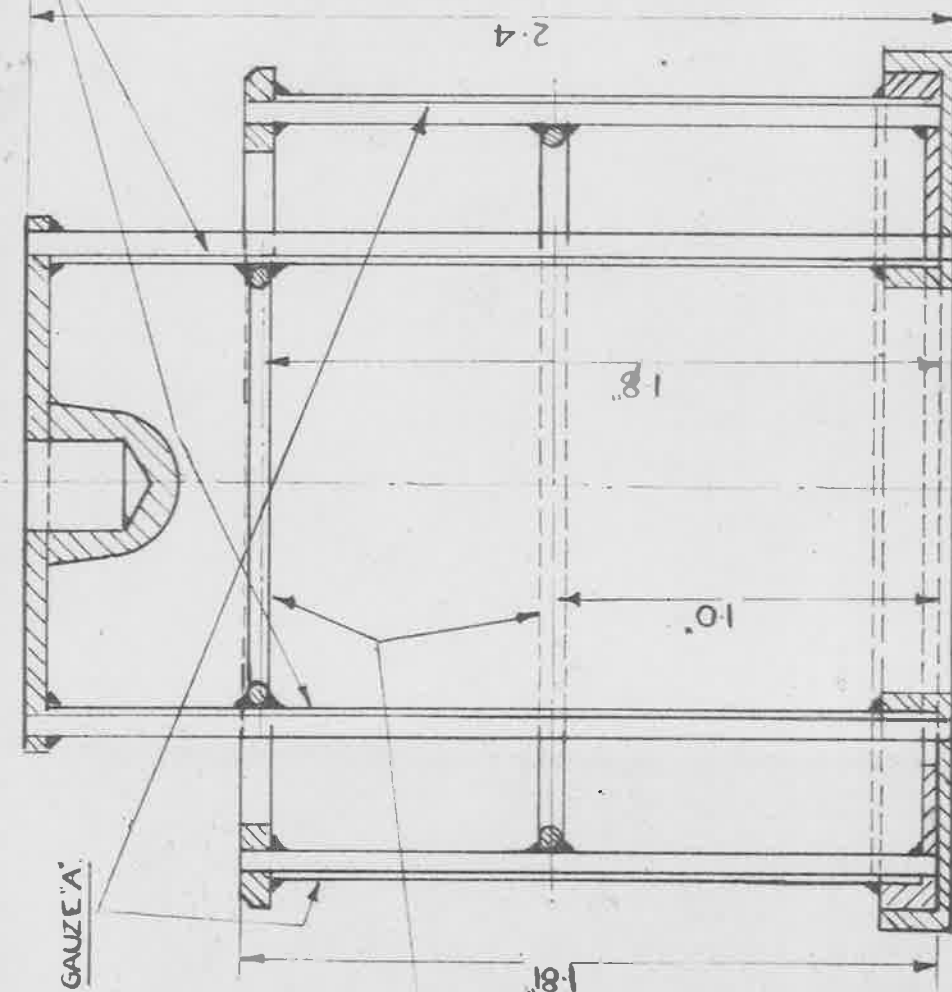
6 WIRES 16 SWG.
.064" DIA. EQUALLY SPACED AS SHOWN

HALF PLAN OF INNER MEMBER
SOLDER WHERE MARKED

ALTERNATIVE FORMS OF CONSTRUCTION MAY BE APPROVED FOR DETAILS APPLY TO M.O.S.
SCALE = 2:1.

NOTE:-
FILTER GAUZE TO BE ON THE INSIDE OF INNER MEMBER & ON THE OUTSIDE OF OUTER MEMBER. WHEN SOLDERING CARE MUST BE TAKEN TO PREVENT SOLDER RUNNING ON TO UNRESTRICTED AREA OF GAUZE COMPLETED FILTER TO BE THOROUGHLY WASHED TO REMOVE FLUX.

15 STRAINER UNIT (ASSEMBLY)
BRASS WIRE & GAUZE.



8 WIRES 16 SWG. (.064" DIA) EQUALLY SPACED AS SHOWN

SUPPORTING RINGS
16 SWG. (.064" DIA).

HALF PLAN OF OUTER MEMBER.

NOTE:- GAUZES 'A' & 'B'

THE WIRE SHALL BE OF THE BEST RED BRASS & SHALL BE TWILL WOVEN:-

1 IN GAUZE 'A' 100x120 MESH TO THE INCH. WARP SHALL BE 100±2 & THE WEFT 120±4 OR ALTERNATIVELY 120±4 WARP & 100±2 WEFT

THE 100 MESH WIRE SHALL BE 40 S.W.G. (.0048") & THE 120 MESH WIRE 41 S.W.G. (.0044")
THE WEIGHT PER 50 FT. SHALL BE 2 7/8 OZ ± 1/8 OZ

2 IN GAUZE 'B' 80x80 MESH TO THE INCH 39 S.W.G. (.0052") OR 40 S.W.G. (.0048") THE SAME DIA. WIRE TO BE USED THROUGHOUT ON ANY ONE GAUZE

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT

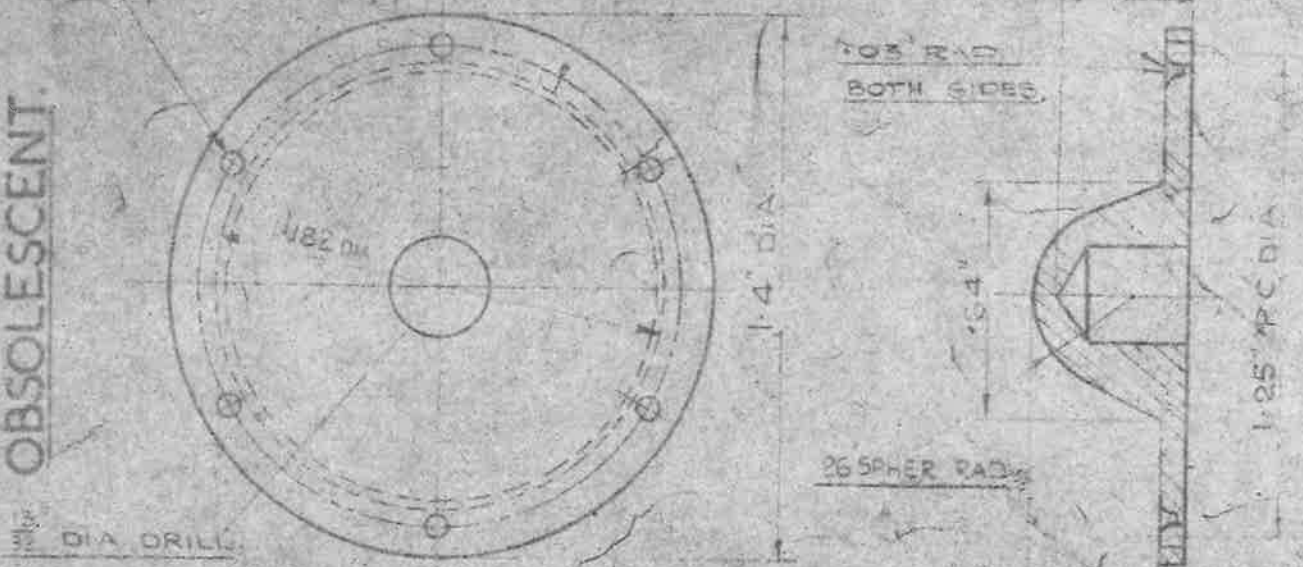
TITLE:- R.A.E. PETROL FILTER

ISSUE NO.	7	8	9
ALTER. NO.	NO. 468	NO. 580	NO. 737

DRILL 6 HOLES N° 91 MORSE (.067 DIA)
EQUALLY SPACED AS SHOWN
REMOVE ALL SHARP EDGES.

GROOVE .03 WIDE X .04 DEEP. MACHINE ALL OVER.

OBSOLESCE



③ TOP FLANGE (INNER MEMBER) SCALE: 2/1

MATERIAL - BRASS TO B.S SPEC: 251 (LATEST ISSUE).

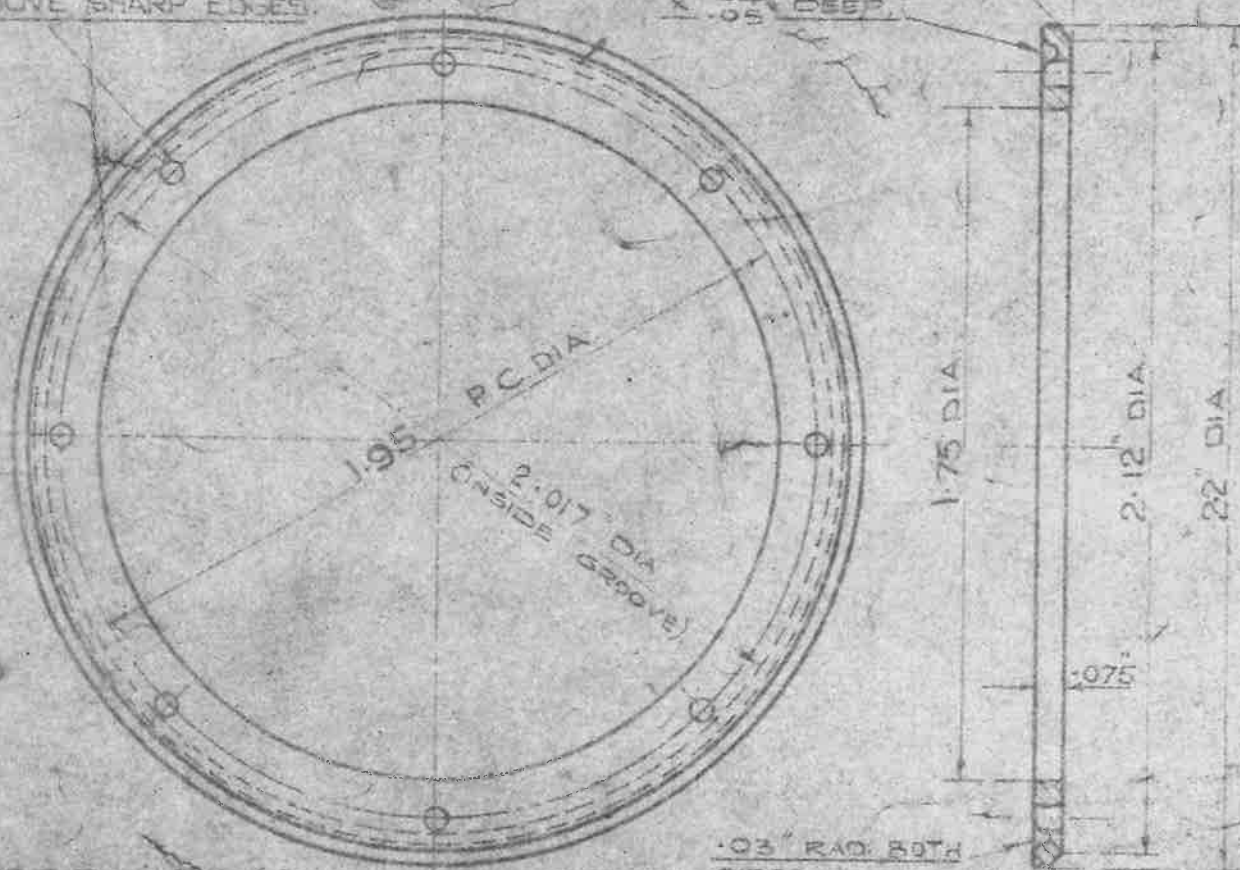
FINISH - TO BE ELECTRO-TINNED, THICKNESS NOT LESS THAN .0003".
NOTE - PLATING TO BE CARRIED OUT BY EITHER THE ALKALINE SODIUM STANNATE BATH (WITHOUT ADDITION OF GLUE OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

SCALE: 3/1

DRILL 8 HOLES N° 91 MORSE (.067 DIA)
EQUALLY SPACED AS SHOWN
REMOVE SHARP EDGES.

GROOVE .03 WIDE X .04 DEEP.

OBSOLESCE



⑤ TOP FLANGE (OUTER MEMBER).

MATERIAL - BRASS TO B.S SPEC: 251 (LATEST ISSUE). MACHINE ALL OVER.

FINISH - TO BE ELECTRO-TINNED, THICKNESS NOT LESS THAN .0003".
NOTE - PLATING TO BE CARRIED OUT BY EITHER THE ALKALINE SODIUM STANNATE BATH (WITHOUT ADDITION OF GLUE OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

ISSUED BY ROYAL AIR FORCE ESTABLISHMENT	TITLE RAE PETROL FILTER.	DRAWN W.W. CURWELL	RETROCED D.E.B. 38-1-39
	ISSUE NO. 7 8	CHECKED W.S. HAYES 38	APPROVED A.C. PITT 11/38
	ALTERATION NO. 1 2 3 4 5 6 7 8		

DRILL 6 HOLES N° 51 MORSE (.067 DIA)

EQUALLY SPACED AS SHOWN.

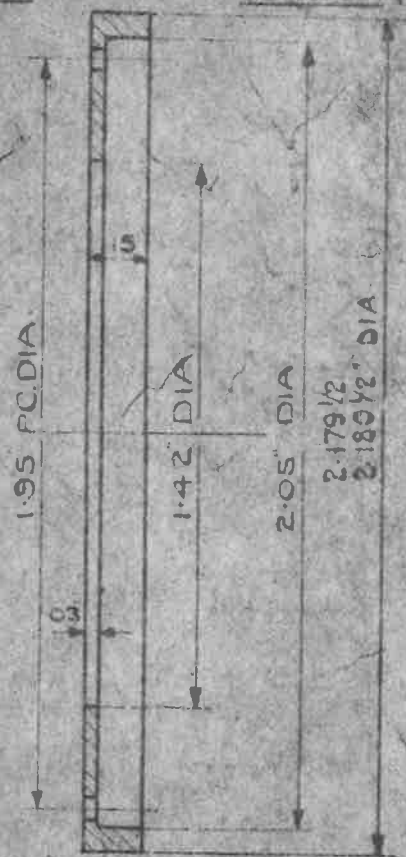
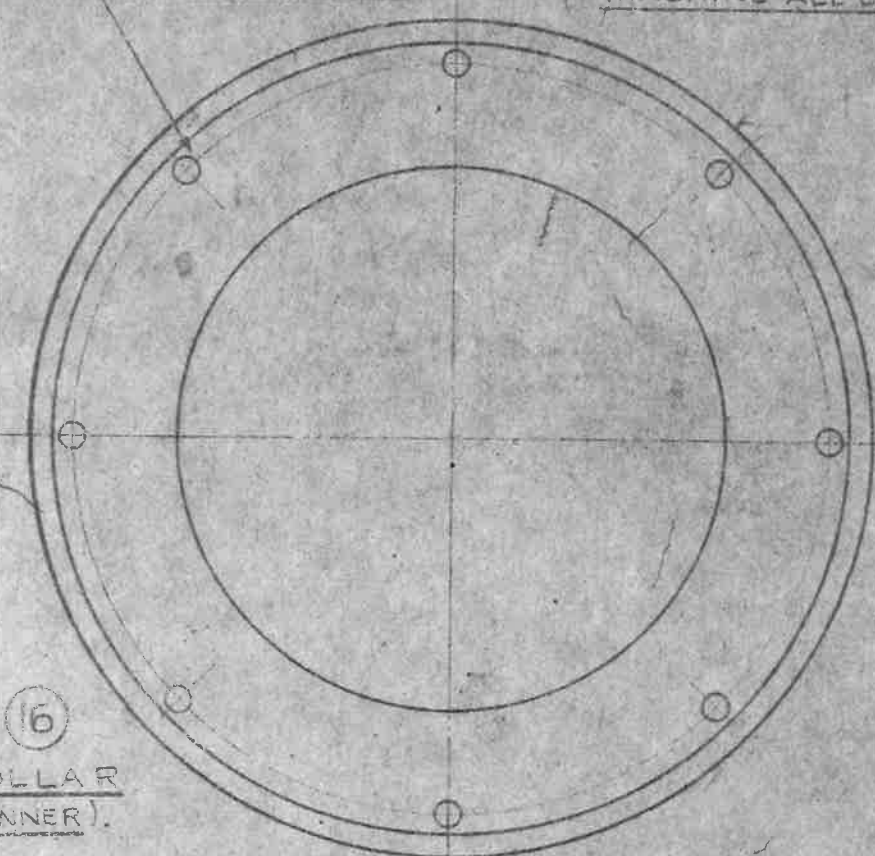
REMOVE SHARP EDGES.

MACHINE ALL OVER

SCALE: 2/1

29-9-38
787250-35

OBSOLESCENT.



16

COLLAR (INNER).

MATERIAL - TO BE BRASS TO B.S. SPEC: N° 251 (LATEST ISSUE).
FINISH - TO BE ELECTRO-TINNED, THICKNESS NOT LESS THAN .0003".
NOTE - PLATING TO BE CARRIED OUT BY EITHER THE ALKALINE SODIUM STANNATE BATH (WITHOUT ADDITION OF GLUE OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

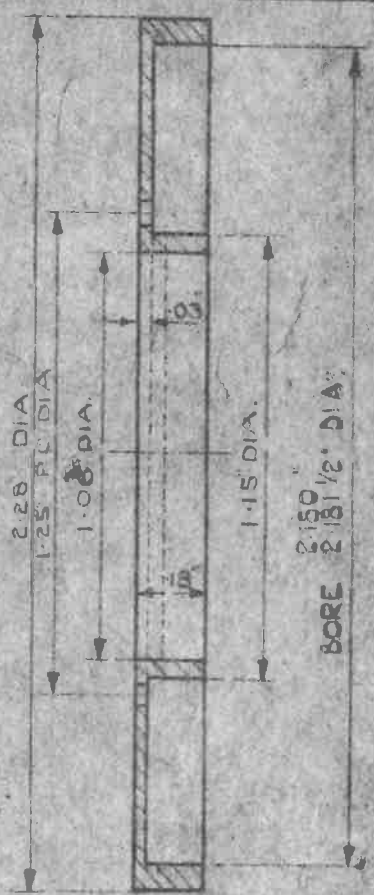
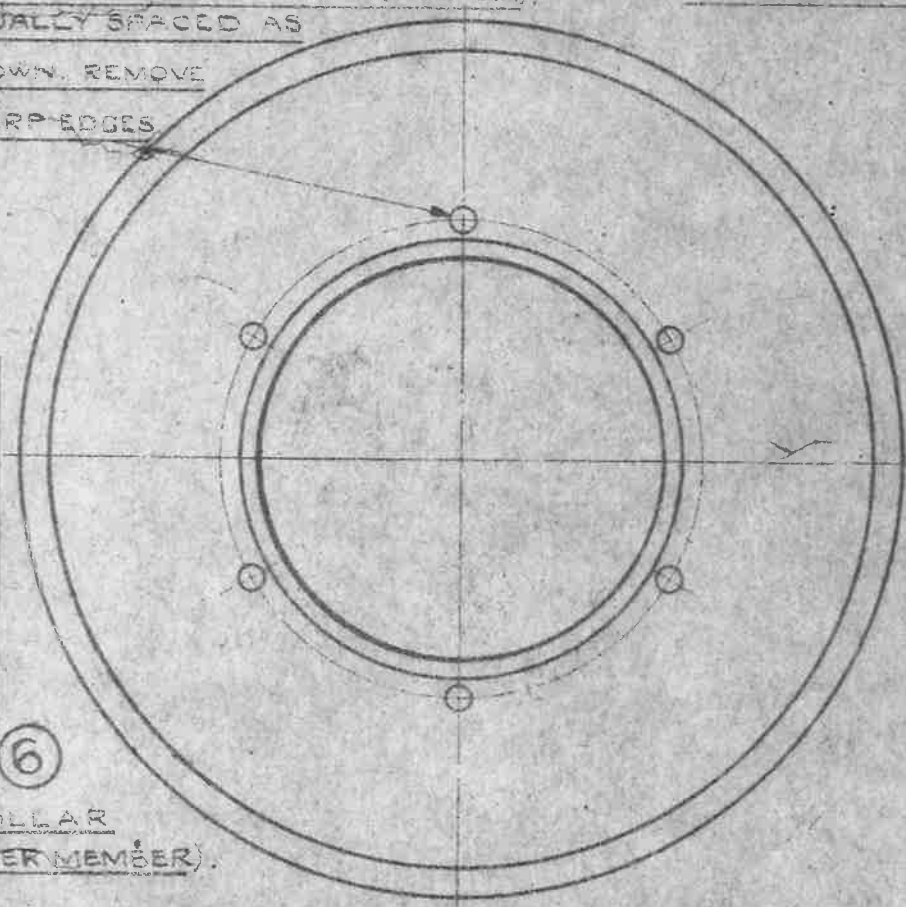
DRILL 6 HOLES N° 51 MORSE (.067 DIA), EQUALLY SPACED AS

MACHINE ALL OVER

SCALE: 2/1

SHOWN. REMOVE SHARP EDGES

OBSOLESCENT.



6

COLLAR (OUTER MEMBER).

MATERIAL - TO BE BRASS TO B.S. SPEC: N° 251 (LATEST ISSUE).
FINISH - TO BE ELECTRO-TINNED, THICKNESS NOT LESS THAN .0003".
NOTE - PLATING TO BE CARRIED OUT BY EITHER THE ALKALINE SODIUM STANNATE BATH (WITHOUT ADDITION OF GLUE OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT

RAE PETROL FILTER

W. CURWELL
RETRACED M. HARRIS
25-1-38
A. PITT 25-38

AS. 15. 5-38
AC 1003 895/257

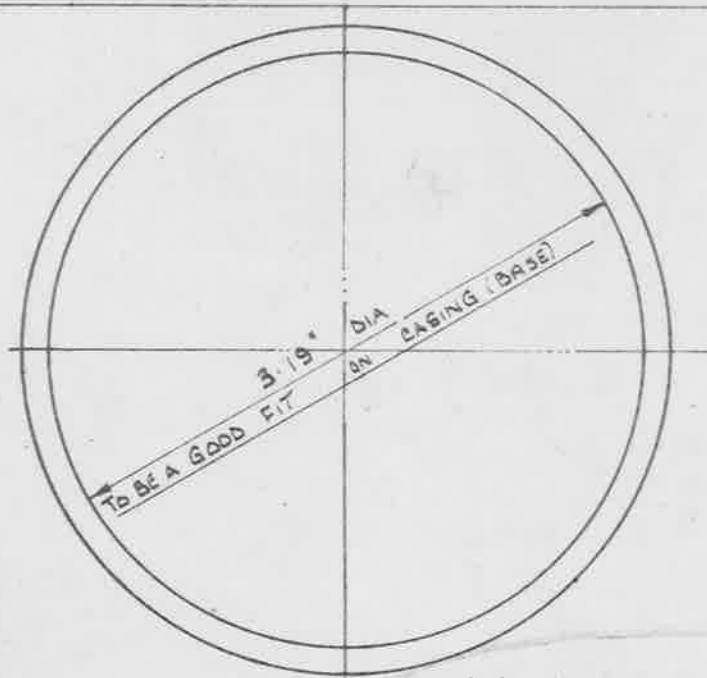
RUBBER. OR OTHER RUBBER LIKE SUBSTANCE. THE FLAT
 FACES OF THE JOINTING WASHERS MUST BE SMOOTH AND FREE
 FROM GRAIN OF ANY KIND. THE HARDNESS FOR THICK MATS
 WHEN MEASURED WITH A $\frac{1}{4}$ " DIA BALL IS TO BE BETWEEN 65 & 75 MEASURED BY
 THE R.A.B.R.M. METHOD OR BETWEEN 47 & 56 BY THE SHORE METHOD.

SUPPLY

AUG. NO 1002

SHEET NO 7

NO OF SHEETS 8



OBSOLESCE

④ JOINTING WASHER

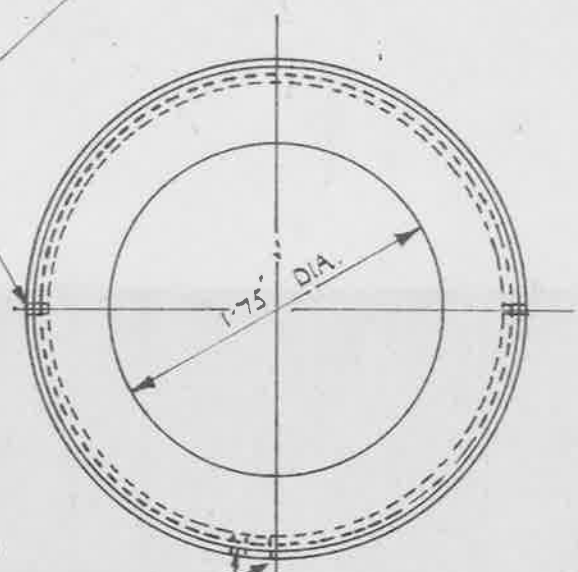
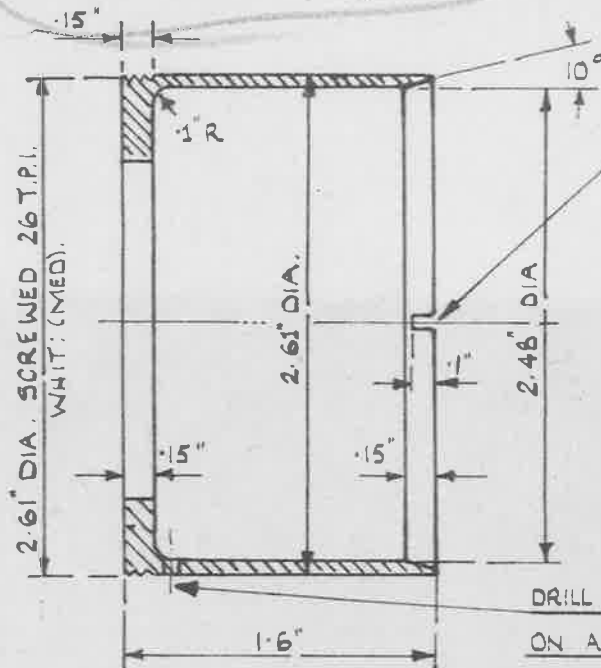
SYNTHETIC RUBBER

SCALE: FULL SIZE

TO BE OBTAINED FROM AN APPROVED SUPPLIER

OBSOLESCE

2 SAWCUTS $\frac{1}{32}$ " WIDE



DRILL 2 $\frac{1}{16}$ " DIA HOLES

ON ASSEMBLY IN POSITION

SHOWN ON GEN. ARRT. DRG. NO 1001 SHEET NO 1

SCREW THREADS ARE TO BE
 TO B.S. SPECIFICATION NR 84
 -1940. MEDIUM FIT.

①⑦ FILTER SCREEN

MACHINE ALL OVER

MAKE FROM DIE CASTING.

SCALE: FULL SIZE

MATL: ALUMINIUM

SPEC: D.T.D 424 (LATEST ISSUE)

FINISH: TO BE ANODISED TO SPEC: D.T.D 810 (LATEST ISSUE)

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE R.A.E. PETROL FILTER				DRAWN W.W. CURWELL	RE TRACED D.P. G.A.P. 15 JAN 2.1.60
	ISSUE NO	14 8	9	21 46	CHECKED	APPROVED
	ALTER NO	AS NO 222 063	AS NO 265 737			

OBSOLESCE

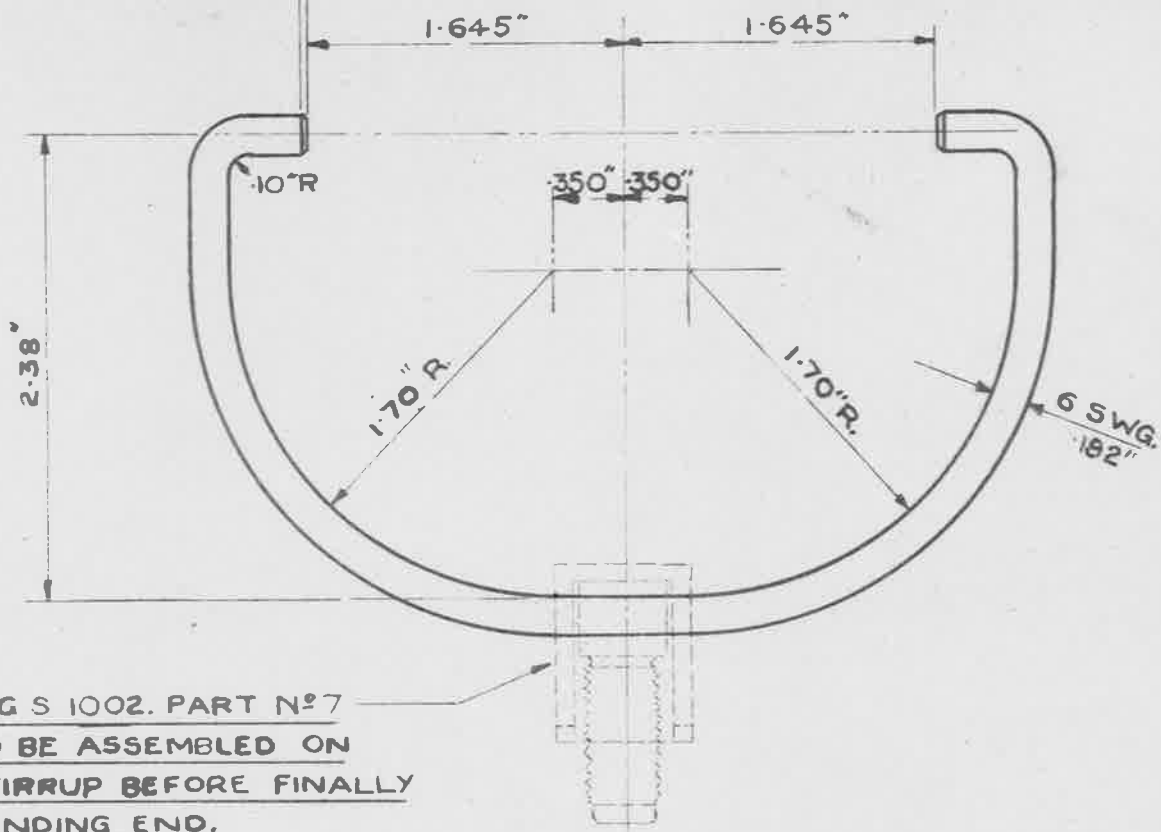
MINISTRY OF
SUPPLY

A.G.S. N^o 1002

0.2 CHAMFER AT 45°

SHEET N^o 8

N^o OF SHEETS 18



A G S 1002. PART N^o 7
TO BE ASSEMBLED ON
STIRRUP BEFORE FINALLY
BENDING END.

9

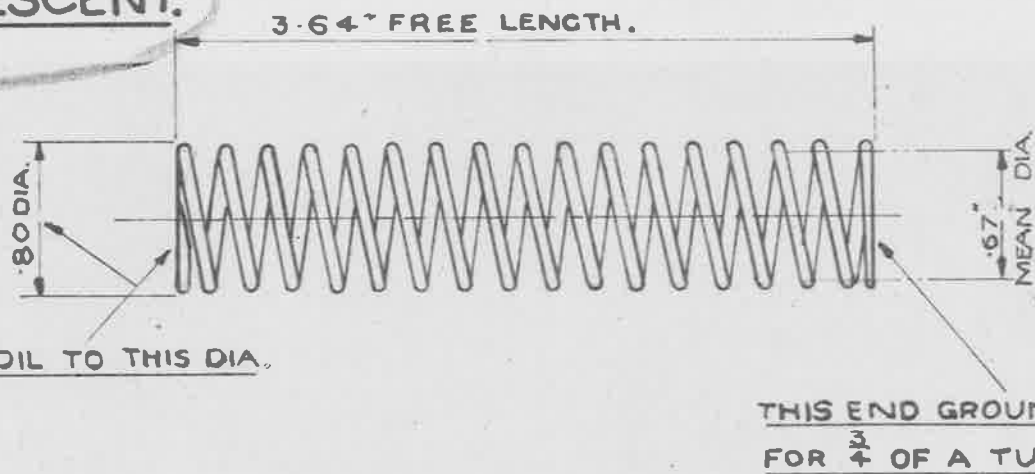
STIRRUP

MAT^r :- SPRING STEEL SPEC^r D.T.D. 5 (LATEST ISSUE).

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

SCALE :- FULL SIZE

OBSOLESCE



8

SPRING

MAT^r SPRING STEEL D.T.D. 239-SECTION 2.

OR SPEC: D.T.D. 215 (LATEST ISSUES)

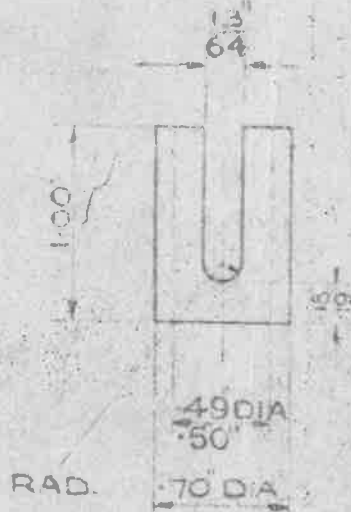
FINISH :- TO BE CADMIUM PLATED TO SPEC:
D.T.D. 904 (LATEST ISSUE).

SCALE :- FULL SIZE.

DIA OF WIRE . 14 SWG. (.08" DIA)
N ^o OF FREE COILS. 16
RATE PER INCH. 12.75 LB.
LOAD IN POSITION. 7.76 LB.
LENGTH IN POSITION. 3.02 INS.

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE:- R.A.E. PETROL FILTER				DRAWN. M. Vincent	RE-TRACED DAP GAF 7-2-50
	ISSUE N ^o	8	10		CHECKED	APPROVED
	ALTER ⁿ N ^o	AS N ^o 65663	AS N ^o 65737			

OBSOLESCE



14

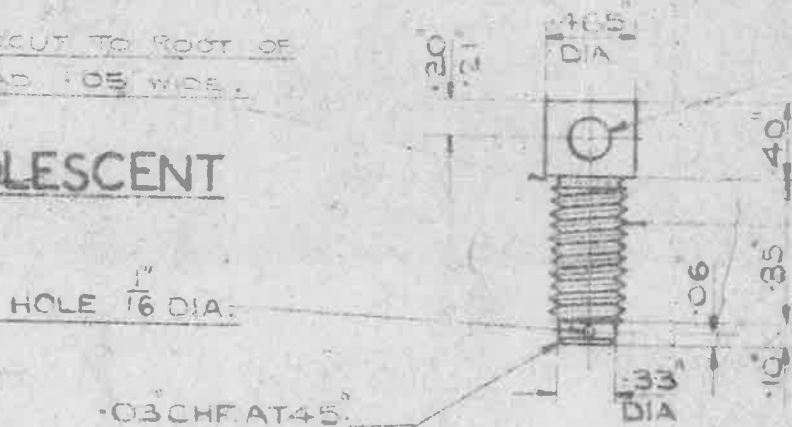
DISTANCE PIECE

MATERIAL - TO BE BRASS TO B.S. SPEC. 249 (LATEST ISSUE).
FINISH - TO BE CADMIUM PLATED TO SPEC. D.T.D. 904 (LATEST ISSUE),
ALTERNATIVELY, ELECTRO-TINNED, THICKNESS NOT LESS THAN .0002

UNDERCUT TO ROOT OF
THREAD .105 WIDE.

HOLE NO. 4 MORSE
DRILL (.209 DIA.)
REMOVE SHARP EDGES.

OBSOLESCE



SCREW 8 BS PIPE.

SCALE

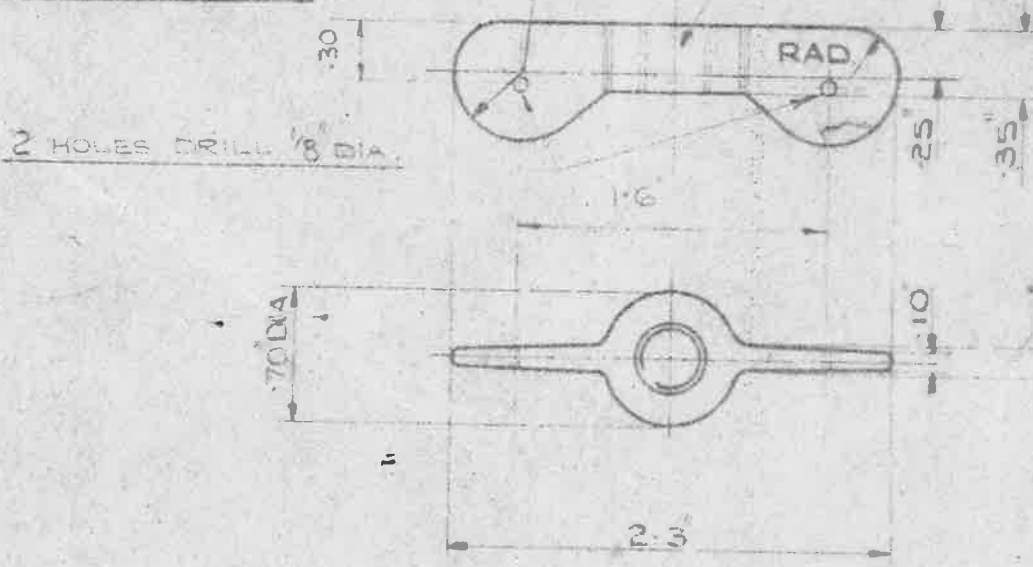
7

STIRRUP EYE BOLT

MATERIAL - TO BE STEEL TO B.S. SPEC. S.1. (LATEST ISSUE).
FINISH - TO BE CADMIUM PLATED TO SPEC. D.T.D. 904 (LATEST ISSUE).
NOTE - SCREW THREADS TO B.S. SPEC. N° 54 - 1940, MEDIUM FIT.

OBSOLESCE

.35 RAD. TAP 8 BS PIPE



11

STIRRUP WING NUT

MATERIAL - TO BE BRASS TO B.S. SPEC. 219 (LATEST ISSUE).
FINISH - TO BE CADMIUM PLATED TO SPEC. D.T.D. 904 (LATEST ISSUE),
ALTERNATIVELY, ELECTRO-TINNED, THICKNESS NOT LESS THAN .0002

ISSUED BY
ROYAL
AIRCRAFT
ESTABLISHMENT

TITLE:-
R.A.E. PETROL FILTER. 200 G.P.H.

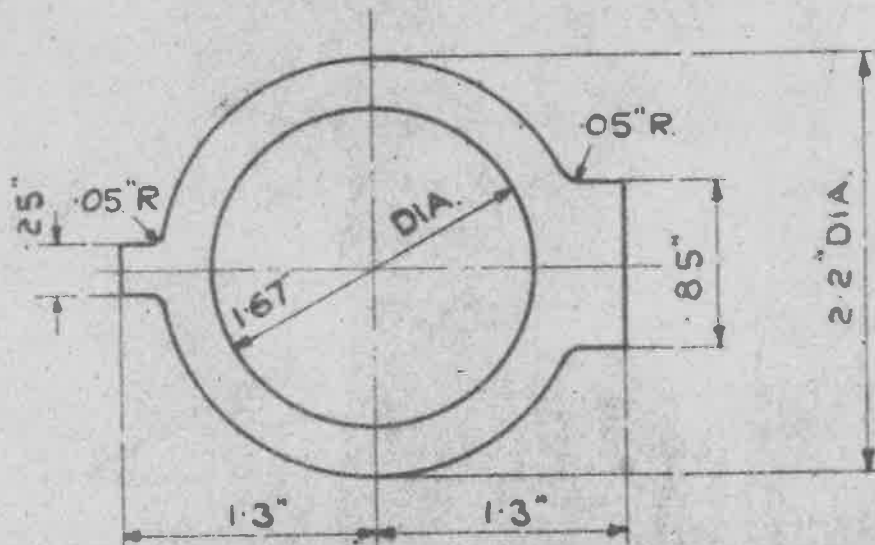
DRAWN
M.D. CHAMBERLIN
27-8-39
RETRACED
J.M. STALLARD
17-3-39

ISSUE NO	10	11		
ALTERATION NO	AS NO 66	AS NO 66/73		

CHECKED
E.G.K. 13-35
REC'D BY STALLARD
APPROVED
A.PITT 13-39

OBSOLESCE

29-9-38
787299/38



MAKE FROM 18 SWG SHEET (.048)

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

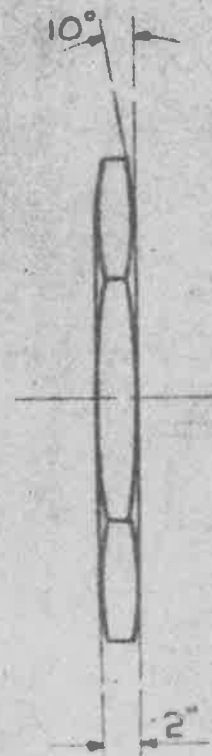
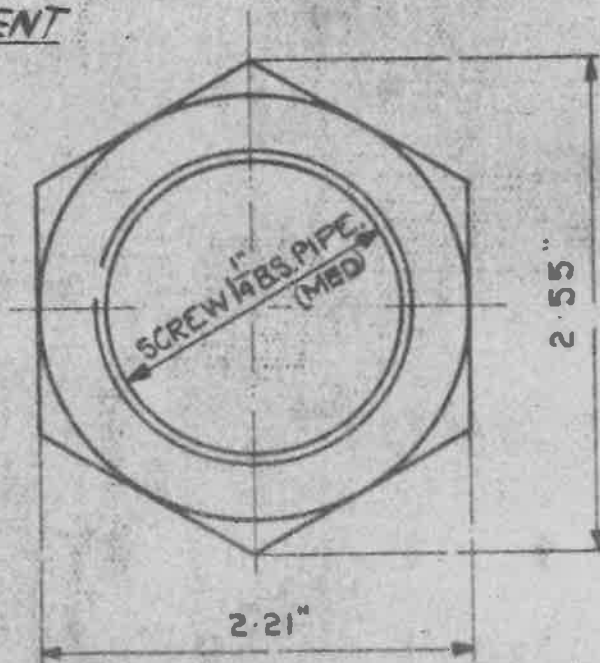
(18) TAB WASHER.

MILD STEEL BS SPEC. S. 84 (LATEST ISSUE)

SCALE - FULL SIZE.

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

OBSOLESCE



MATERIAL TO BE MILD STEEL TO BS SPEC. S1 (LATEST ISSUE)

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

MACHINE ALL OVER.

SCALE - FULL SIZE.

(19) UNION LOCKNUT.

ISSUED BY DRAWING OFFICE
DIRECTORATE OF
TECHNICAL DEVELOPMENT.
AIR MINISTRY

TITLE -
RAE PETROL FILTER.

DRAWN
W.W. CURWELL

RE-TRACED
Y. MAWER.
11-1-39

Issue No.

7

8

CHECKED
10/5/38

APPROVED
A. PITT 17-5-38

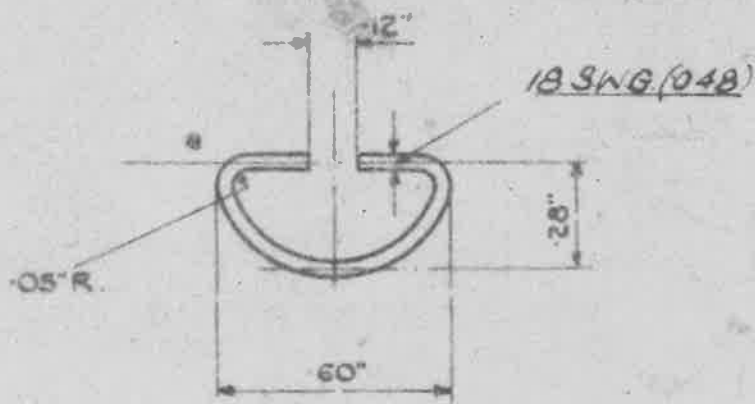
ALTERATION No.

1

10-11-38

OBSOLESCE

21. 1. 39
62/42/34
97879/39



22

*O" RING
BRASS WIRE.

SCALE :- 2/1

FINISH TO BE CADMIUM PLATED TO SPEC D.T.D 904 (LATEST ISSUE)
ALTERNATIVELY ELECTRO-FINISHED THICKNESS NOT LESS THAN .0002

ISSUED BY DRAWING OFFICE
DIRECTORATE OF
TECHNICAL DEVELOPMENT
AIR MINISTRY

TITLE:-
R.A.E. PETROL FILTER

ISSUE NO	0				
ALTER NO					

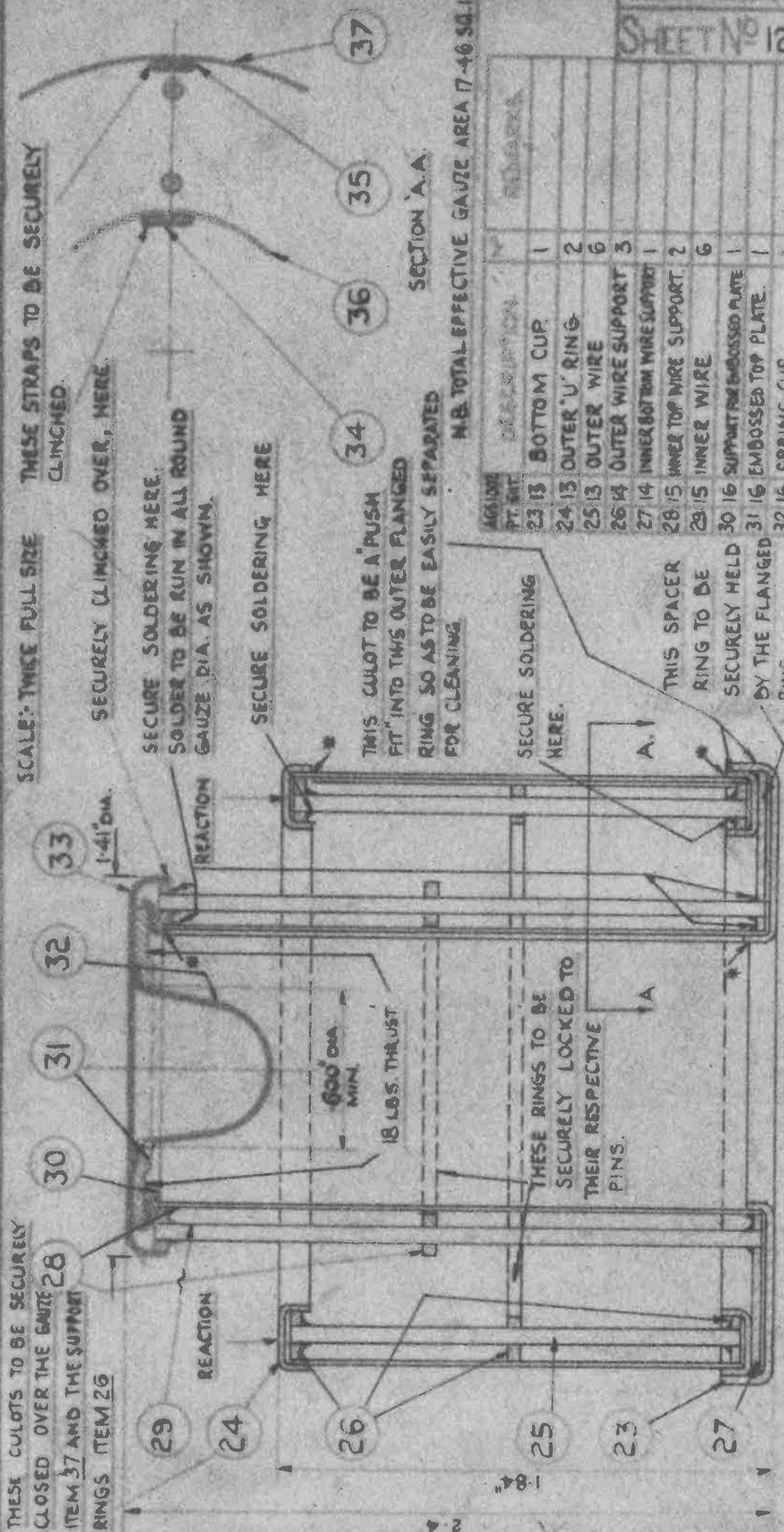
DRAWN
EVANS

CHECKED
21. 1. 39

APPROVED	
DATE	

OBSOLESCE

AGSN 1002
SHEET NO 12 NO OF SHEETS 18



AGSN	PT. SHT.	DESCRIPTION	QTY
23	B	BOTTOM CUP	1
24	B	OUTER 'U' RING	2
25	B	OUTER WIRE	6
26	B	OUTER WIRE SUPPORT	3
27	B	INNER BOTTOM WIRE SUPPORT	1
28	B	INNER TOP WIRE SUPPORT	2
29	B	INNER WIRE	6
30	B	SUPPORT FOR EMBOSSED PLATE	1
31	B	EMBOSSED TOP PLATE	1
32	B	SPRING CUP	1
33	B	TOP CUP	1
34	B	INNER CONNECTING STRAP	1
35	B	OUTER	1
36	B	INNER GAUZE	1
37	B	OUTER GAUZE	1

NOTE: THE COMPLETED ASSEMBLY SHOULD BE CAPABLE OF WITHSTANDING A STEADY UPWARD LOAD OF 18 LBS. APPLIED TO THE UNDERSIDE OF TOP PLATE ITEM 31. THE REACTION TO BE TAKEN WITH THE TOP FACE OF THE TOP CULOT ITEM 24. THE ENDS OF GAUZE MUST SUIT TOGETHER BEYOND THE ENDS OF THE STRAP SO THAT NO GAP IS PRESENT AND THE GAUZE MUST RUN SMOOTHLY, WITHOUT KINKS FROM THE ENDS OF THE STRAPS TO THE CULOTS, BOTTOM CUP AND END SUPPORT, WHERE INDICATED BY ARROWS. 10 SOLDERLESS STRAINER UNIT ASSEMBLY.

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT

R.A.E. PETROL FILTER. 200 G.P.H.

REVISE NO 5
REVISED BY
20.5.45

MAT: BRASS 22 SWG (.028)

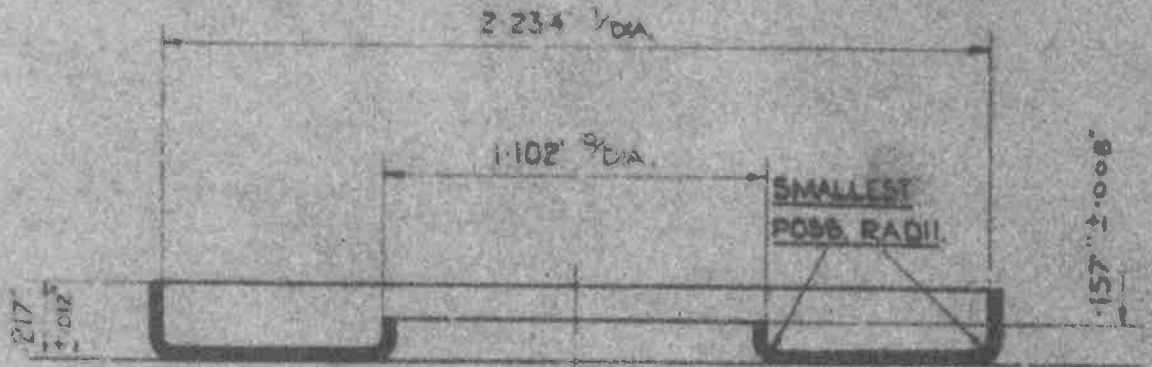
MINISTRY OF AIRCRAFT PRODUCTION AGS. No 1002

SHEET No 13 No of SHEETS 18

HALF HARD

B.S. SPEC 265 (LATEST ISSUE)

FINISH - TO BE CADMIUM PLATED TO SPEC D.T.D 904 (LATEST ISSUE) ALTERNATIVELY ELECTRO-TINNED THICKNESS NOT LESS THAN .0002"



OBSOLESCE

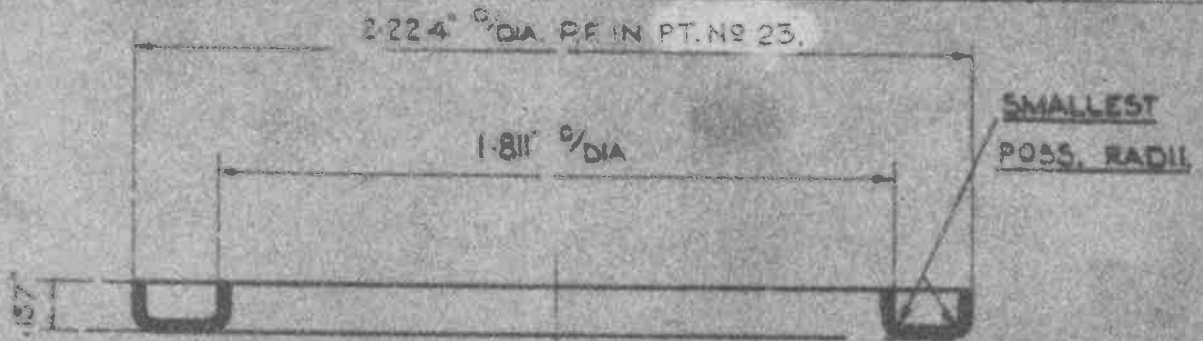
(23) BOTTOM CUP

SCALE: 1/4"

MAT: - BRASS 22 SWG (.028) HALF HARD B.S. SPEC 265 (LATEST ISSUE)

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

ALTERNATIVELY ELECTRO-TINNED THICKNESS NOT LESS THAN .0002"



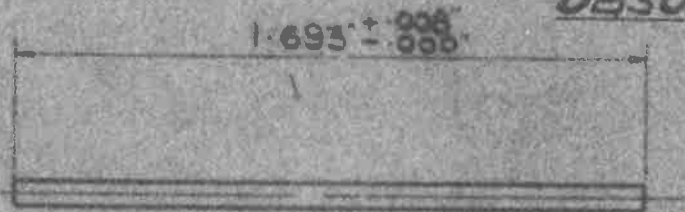
OBSOLESCE

(24) OUTER U RING

SCALE: 1/4"

MAT: - HARD BRASS WIRE. 16 SWG (.064) B.S. SPEC 265 (LATEST ISSUE)

OBSOLESCE



(25) OUTER WIRE

FINISH - TO BE ELECTRO-TINNED THICKNESS NOT LESS THAN .0003

NOTE PLATING TO BE CARRIED OUT BY EITHER THE ALKALINE SODIUM STANNATE BATH (WITHOUT ADDITION OF BLUE OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS

SCALE: 1/4"

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT.

TITLE: - RAE PETROL FILTER 200 GPH.

ISSUE NO	1	2	3	4
ALTERS NO	1	2	3	4

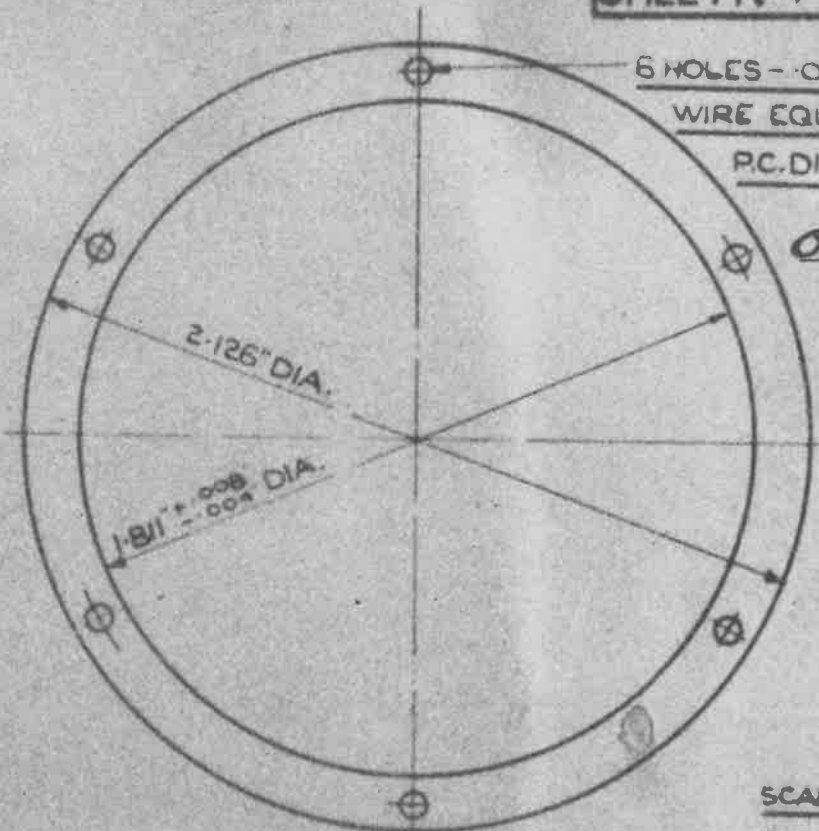
DESIGN: HMC
 DRAWN: [Signature]
 CHECKED: [Signature]
 DATE: 13-12-45

MAT'L - BRASS 18 S.W.G. (.048)

MINISTRY OF AIRCRAFT PRODUCTION **AGS. No 1002**

SHEET No 14 No OF SHEETS 18

HALF HARD B.S. SPEC. 265 (LATEST ISSUE)



6 HOLES - .064 DIA FOR OUTER WIRE EQUISPACED ON 1.969"

P.C. DIA.

OBSOLESCE

SCALE: -3/1.

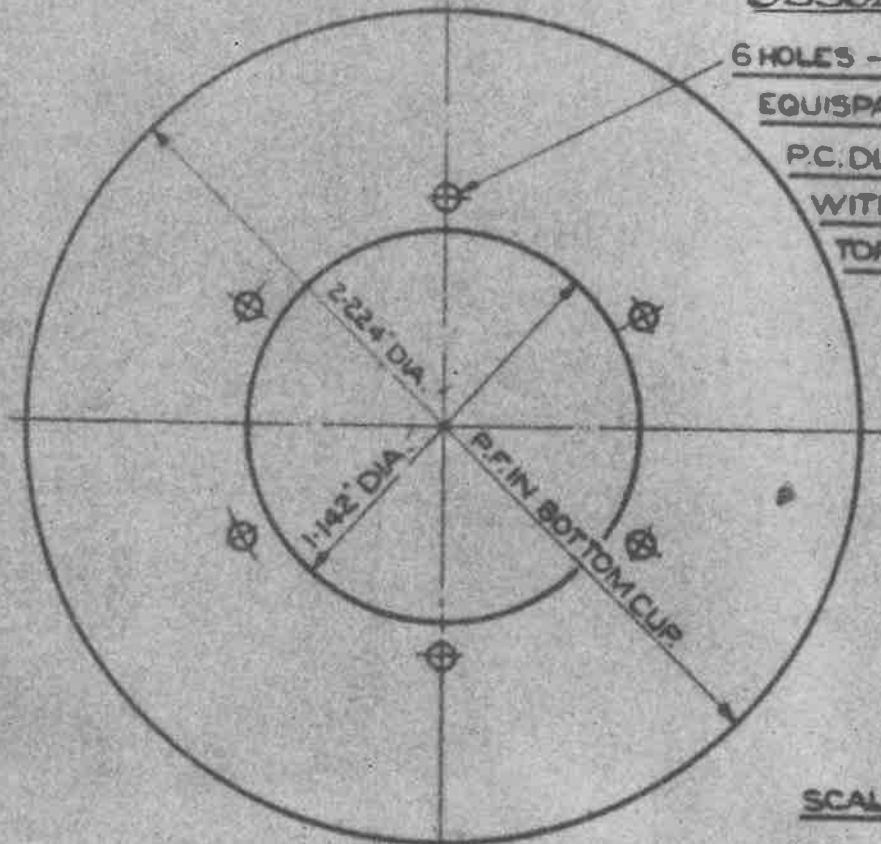
26 OUTER WIRE SUPPORT.

FINISH: 2.85 ± .0020 - 2.8500. THICKNESS NOT LESS THAN .003

NOTE: PLATING TO BE CARRIED OUT BY EITHER THE LEADING OR BY STANNOUS BATH (WITHOUT ADDITION OF GLUCO OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

MAT'L - BRASS 21 S.W.G. (.032) HALF HARD B.S. SPEC. 265 (LATEST ISSUE)

OBSOLESCE



6 HOLES - .064 DIA EQUISPACED ON 1.26"

P.C. DIA. TO LINE UP

WITH THOSE IN INNER TOP WIRE SUPPORT.

SCALE: -3/1.

27 INNER BOTTOM WIRE SUPPORT.

FINISH: 2.85 ± .0020 - 2.8500. THICKNESS NOT LESS THAN .003

NOTE: PLATING TO BE CARRIED OUT BY EITHER THE LEADING OR BY STANNOUS BATH (WITHOUT ADDITION OF GLUCO OR OTHER ORGANIC COMPOUNDS) OR BY THE ACID STANNOUS SULPHATE PROCESS.

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT.

TITLE: - R.A.E. PETROL FILTER. 200. G.P.H.

DRAWN: *WNY*

TRACED: O.M. 13.12.43.

ISSUE NO	1	2	3	4
ALTERS NO	AS 522	AS 522	AS 522	AS 522

CHECKED: *[Signature]*

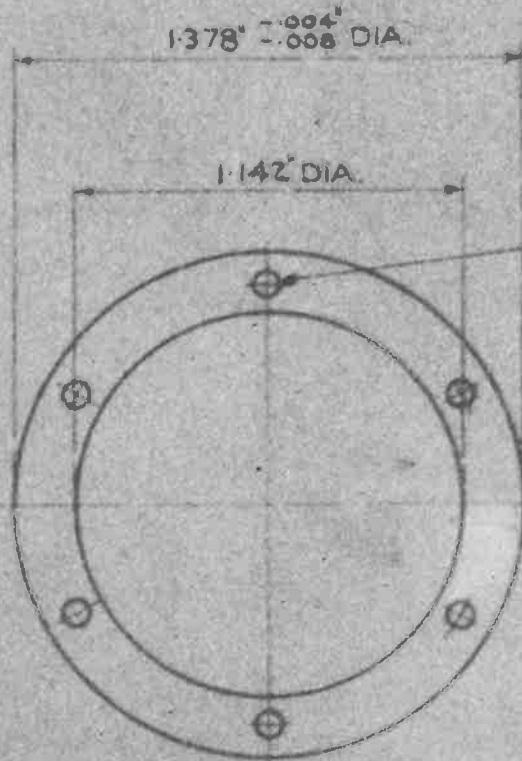
APPROVED: *[Signature]*

OBSOLESCE

MATL: - BRASS 215 WG (032)

HALF HARD B.S. SPEC 265 (LATEST ISSUE)

FINISH TO BE ELECTRO-TANED THICKNESS NOT LESS THAN .003
 NOTE: - PLATING TO BE CARRIED OUT BY EITHER THE
 ALKALINE SODIUM STANNATE BATH WITHOUT
 ADDITION OF BLUE OR OTHER ORGANIC COMPOUNDS
 OR BY THE ACID STANNOUS SULPHATE PROCESS.



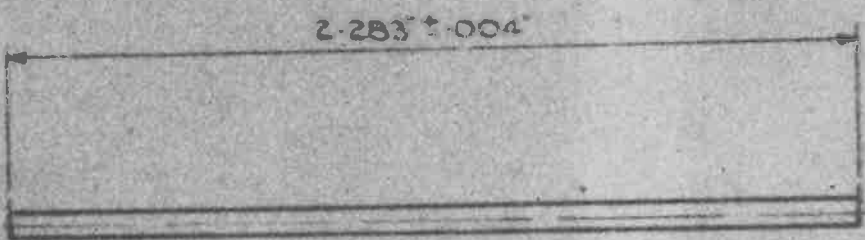
6 HOLES - .064" DIA.
 EQUISPACED ON 1.26
 P.C. DIA TO LINE UP
 WITH THOSE IN THE
 INNER BOTTOM WIRE
 SUPPORT.

SCALE - 24

28

INNER TOP WIRE SUPPORT.

OBSOLESCE



MATL: - HARD BRASS WIRE 16 SWG. (.064) B.S. SPEC. 265 (LATEST ISSUE)

FINISH TO BE ELECTRO-TANED THICKNESS NOT LESS
 THAN .003.
 NOTE: - PLATING TO BE CARRIED OUT BY
 EITHER THE ALKALINE SODIUM STANNATE
 BATH (WITHOUT ADDITION OF BLUE OR OTHER
 ORGANIC COMPOUNDS) OR BY THE ACID
 STANNOUS SULPHATE PROCESS.

SCALE - 24

29

INNER WIRE.

ISSUED BY THE
 ROYAL AIRCRAFT
 ESTABLISHMENT.

TITLE: - R.A.C. PETROL FILTER
 200 G.P.H.

DRAWN.
 T.M.L.

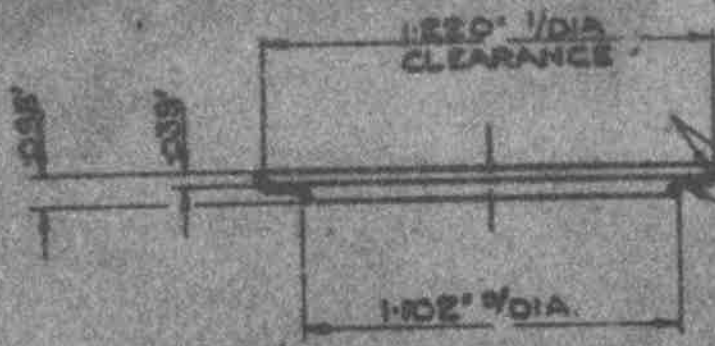
TRACED
 O.M. 10-12-43.

ISSUE NO	1	2	3	4
ALTERS NO	1000	1001	1002	1003

CHECKED
 Spheres

APPROVED
 [Signature]

MAT: BRASS 18 SWG (202)
 HALF HARD BS SPEC 265 (LATEST ISSUE)



FINISH TO BE CADMIUM PLATED TO SPEC. D.T.D 904 (LATEST ISSUE) ALTERNATIVELY ELECTRO-TINNED THICKNESS NOT LESS THAN .0002

SMALLEST POSS. RADII

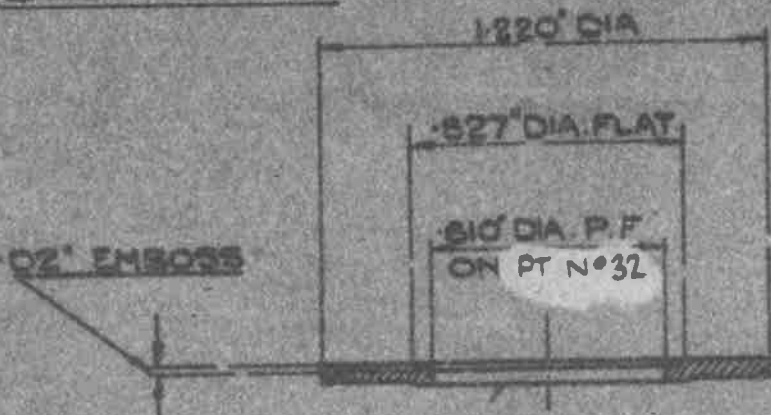
SCALE: 2/1

OBSOLESCE

30

SUPPORT FOR EMBOSSED PLATE.

OBSOLESCE



MAT: BRASS 18 SWG (202) HALF HARD BS SPEC 265 (LATEST ISSUE)

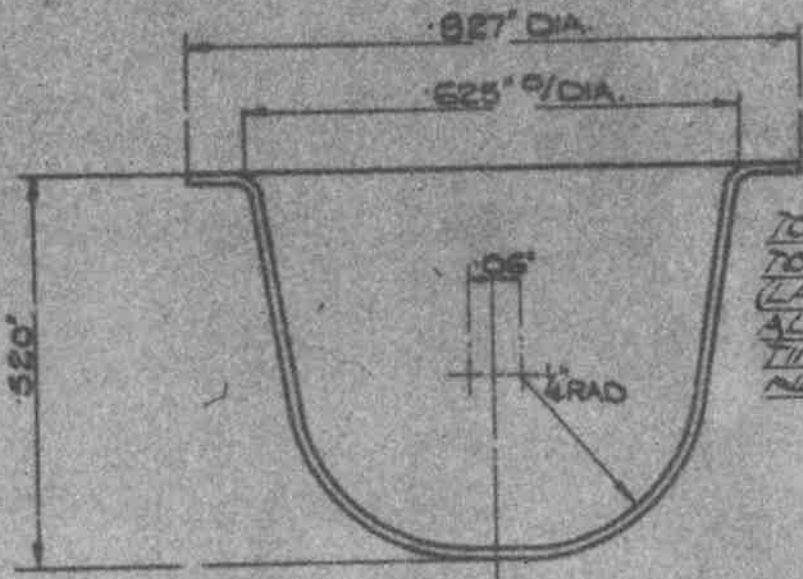
FINISH TO BE CADMIUM PLATED TO SPEC. D.T.D 904 (LATEST ISSUE) ALTERNATIVELY ELECTRO-TINNED THICKNESS NOT LESS THAN .0002

SCALE: 2/1

31

EMBOSSED TOP PLATE.

OBSOLESCE



FINISH TO BE CADMIUM PLATED TO SPEC. D.T.D 904 (LATEST ISSUE) ALTERNATIVELY ELECTRO-TINNED THICKNESS NOT LESS THAN .0002

MAT: - SOFT BRASS 30 SWG (.0124) BS SPEC. 265

32

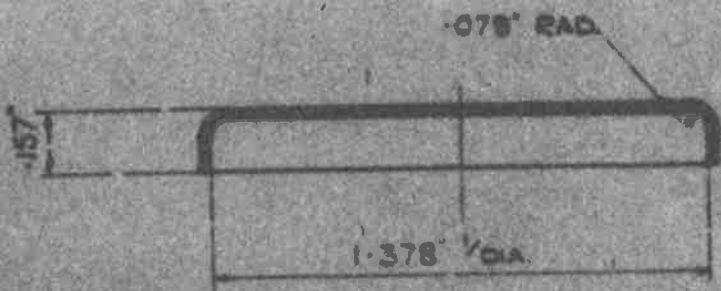
SPRING CUP.

SCALE: 4/1

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT	TITLE: - RAE PETROL FILTER 200 GRN				DRAWN. <i>TULL</i>	TRACED <i>S. Logan</i> 14.12.43	
	ISSUE NO	4	2	3			4
	ALTER NO	100	105	106	107		

MAT: BRASS, 28 SWG. (0148)
 HALF HARD B.S. SPEC. 265. (LATEST ISSUE)

FINISH TO BE CADMIUM PLATED TO SPEC. DTD 904 (LATEST ISSUE)
 ALTERNATIVELY ELECTRO-TINNED
 THICKNESS NOT LESS THAN .0002"



ACTUAL SIZE

SCALE 2/1

33 TOP CAP

OBSOLESCE

MAT: SOFT BRASS, 34 SWG. (.009") B.S. SPEC. 265. (LATEST ISSUE)

OBSOLESCE

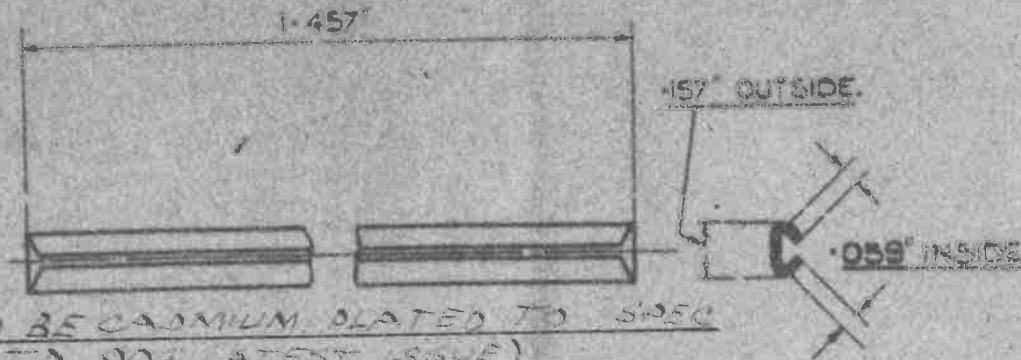


FINISH TO BE CADMIUM PLATED TO SPEC. DTD 904 (LATEST ISSUE)
 ALTERNATIVELY ELECTRO-TINNED
 THICKNESS NOT LESS THAN .0002" SCALE: 2/1

34 INNER CONNECTING STRAP

MAT: SOFT BRASS, 34 SWG. (.009") B.S. SPEC. 265. (LATEST ISSUE)

OBSOLESCE



FINISH TO BE CADMIUM PLATED TO SPEC. DTD 904 (LATEST ISSUE)
 ALTERNATIVELY ELECTRO-TINNED
 THICKNESS NOT LESS THAN .0002" SCALE 2/1

35 OUTER CONNECTING STRAP

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT.	TITLE - RAE, PETROL FILTER 200 GPH.				DRAWN. T.M.P.	TRACED J.O.G. 14-12-43
	ISSUE NO	1	2	3	4	CHECKED S. P. Jones
	ALTERS NO	532	AS NO AGS 350	AS NO AGS 350	AS NO AGS 350	

7-5-44
REF. AGS. 60

2924

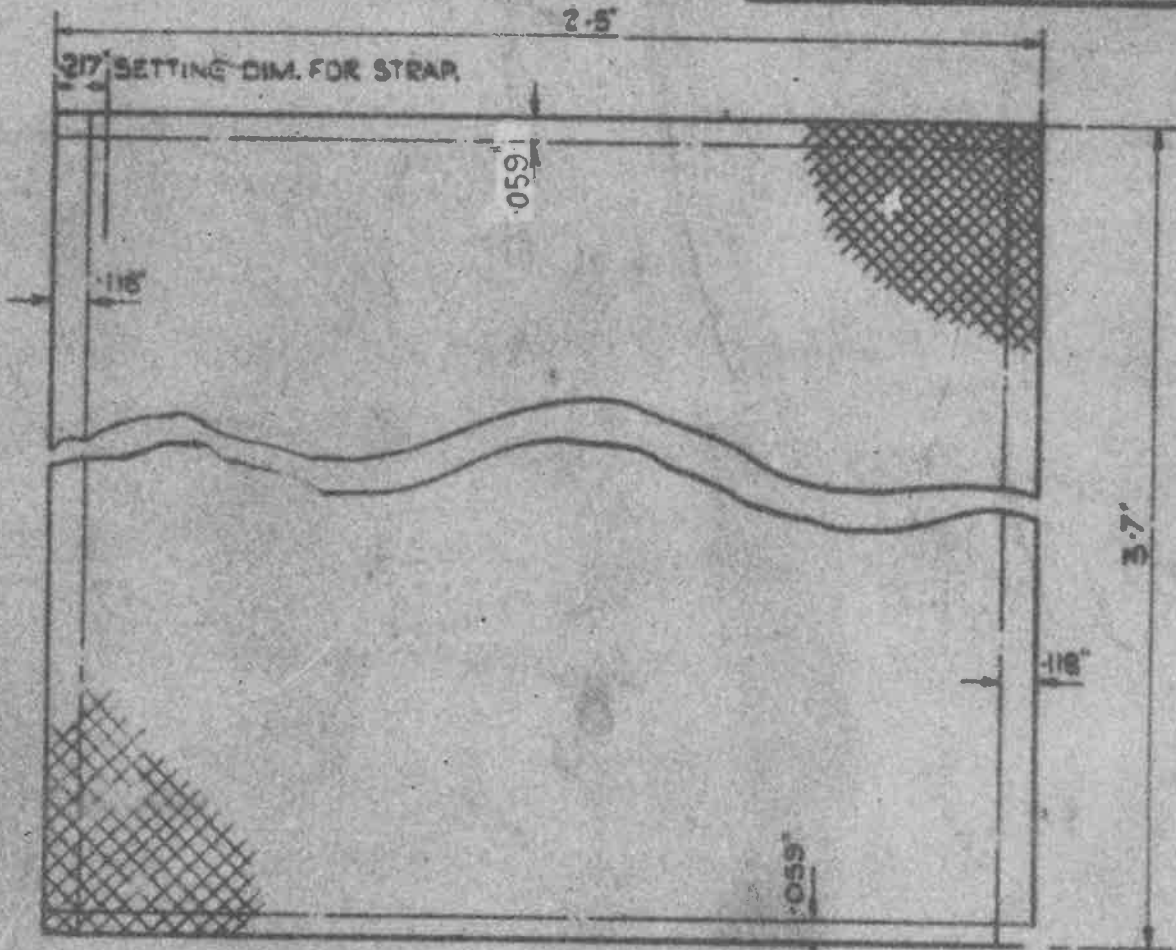
MAT: BRASS OR PHOS. BRONZE.

MINISTRY OF AIRCRAFT PRODUCTION AGS.No.1002.

SHEET No 18. No of SHEETS 18

OBSOLESSENT

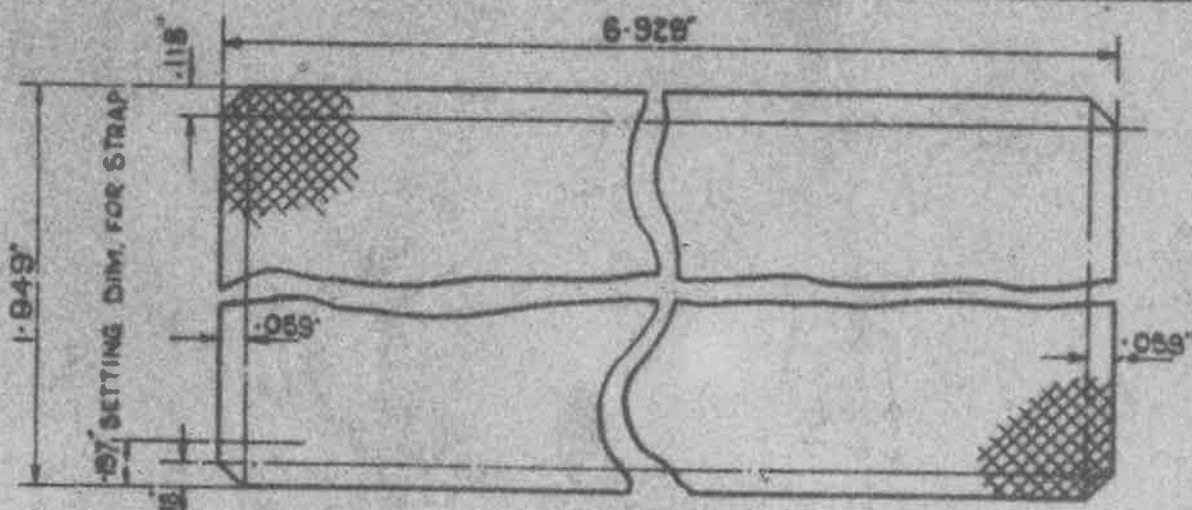
7-3-44



GAUZE: 80 MESH 40 SWG. (.0048") TWILL WOVEN.

(36) **INNER GAUZE**

SCALE 3/4



GAUZE SHALL BE TWILL WOVEN 100 x 120 MESH TO THE INCH. THE MESH WARP SHALL BE 100 TO THE INCH ± 2 AND THE MESH WEFT 120 TO THE INCH ± 4. THE WIRE WARP SHALL BE 40 SWG AND THE WIRE WEFT 41 SWG. THE WT PER SQ FT. SHALL BE 2 1/8 OZS ± 1/8 OZ.

OBSOLESSENT

MAT: BRASS OR PHOS. BRONZE.

(37) **OUTER GAUZE.**

SCALE 3/4

ISSUED BY THE ROYAL AIRCRAFT ESTABLISHMENT

TITLE- R.A.E. PETROL FILTER 200 G.P.H.

ISSUE NO 1 2 3

ALTERATIONS

DRAWN 7/11/43
CHECKED
APPROVED

TRACED 18.7.12.43.
APPROVED