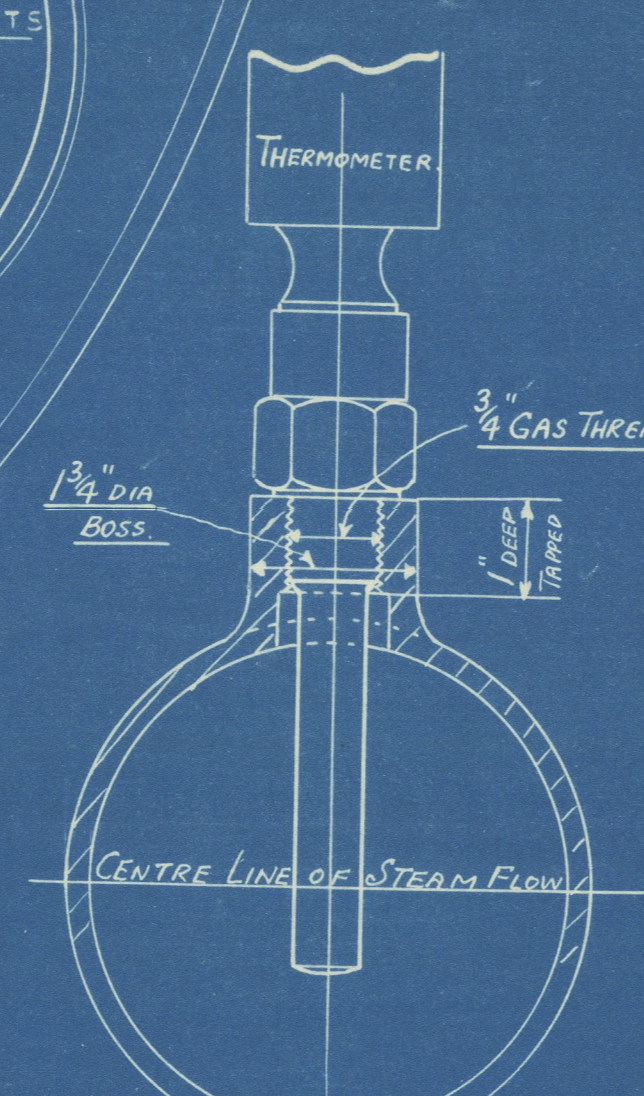
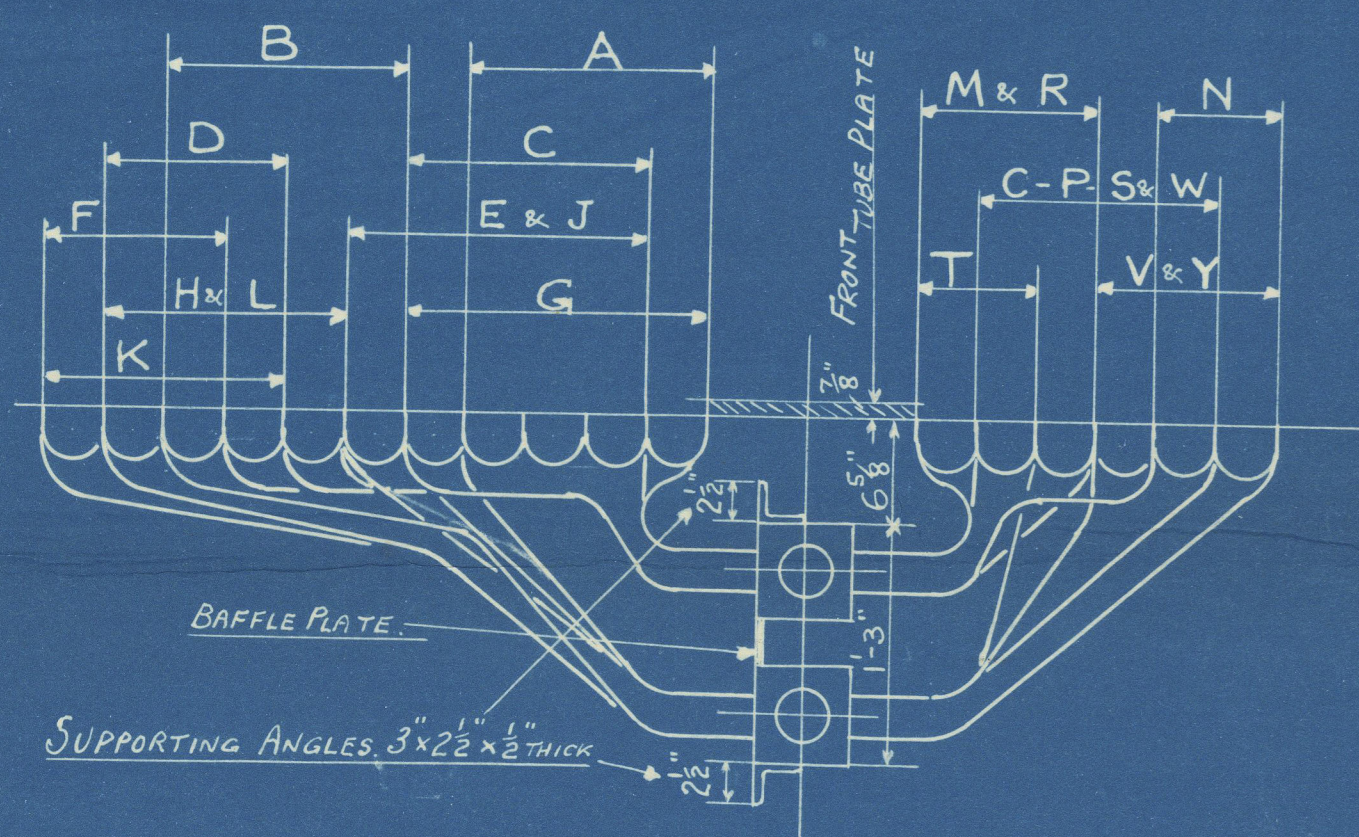


AFTER ALL NUTS HAVE BEEN THOROUGHLY TIGHTENED UP UNDER STEAM PRESSURE, THE OPEN ENDS OF NUTS SHOULD BE FILLED UP WITH FIRE CEMENT.



IT IS IMPORTANT THAT STEM OF BOTH, THE LONG DISTANCE AND STRAIGHT TYPE THERMOMETERS BE IMMersed INTO THE CENTRE OF STEAM FLOW- AS SHOWN ABOVE.

THE THERMOMETER ON THE BOILER SHOULD BE FITTED TO INDICATE THE TEMPERATURE OF STEAM LEAVING THE SUPERHEATER BEFORE MIXING



HEADER FLANGES $8\frac{3}{4}"$ DIA \times $1\frac{1}{8}"$ THICK
8- HOLES $1\frac{3}{16}"$ DIA FOR $\frac{3}{4}"$ BOLTS
ON $7"$ DIA. P.C.

338 PLAIN TUBES 2 $\frac{1}{2}$ " EXT. DIA X NO 8. WG THICK

474 TOTAL TUBES PER BOILER.

IMPORTANT.

SUPERHEATER TUBES IN "PLAIN" TUBES ONLY.

12'-3" FULL LENGTH

WORKING PRESSURE = 180 LBS PER SQ IN

GRATE AREA	PER BOILER	PER SHIP 3-BOILERS
100	100	100
150	150	150
200	200	200
250	250	250
300	300	300
350	350	350
400	400	400
450	450	450
500	500	500
550	550	550
600	600	600
650	650	650
700	700	700
750	750	750
800	800	800
850	850	850
900	900	900
950	950	950
1000	1000	1000

$$\text{HEATING SURFACE} = 3143 \# = 9429 \#$$

TO PASS LLOYDS' SURVEY

TEST PRESSURE 540 LBS PER SQ

THE DESIGN SHOWN ON THIS DRAWING
IS PROTECTED BY PATENTS
OWNED AND CONTROLLED BY
THE SUPERHEATER CO. LTD.
BUSH HOUSE LONDON W.C.2

TITLE ARRANGEMENT OF SUPERHEATER
"S." TYPE

REF.	CKD	DRAWING NOS.
12724M	18/4/89	MM12310

TURNBULL SCOTT & CO

S. S. "STONEGATE"

SCALE

D. W. N. C. Co., Inc.

Exhib. 18/4/39

8/11/2000

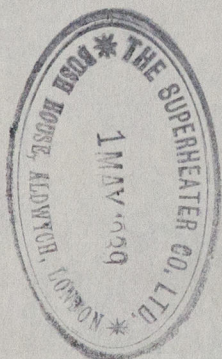
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S.S. ^LSTONEGATE^L

SUNDERLAND RPT. No 32672.

ARRANGEMENT of
SUPERHEATERS

RETAIN



WP 180th



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