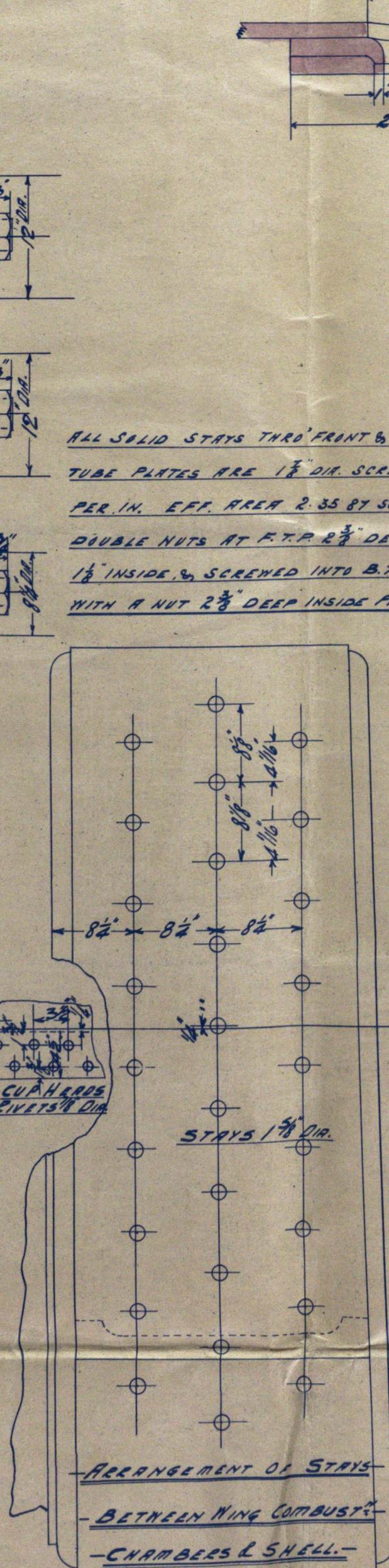


Rev 22/9/97

Boiler No 849
SS Anglia

Rev 22/9/97
2/5

NOTE: FOR CORRECT POSITION OF SHELL
RIVETS SEE SKETCH.



STEEL STAYS 2 1/4" DIA. SCREENED 6 THREADS
PER INCH EFF. AREA 3.957"

NUT OUTSIDE 28" DEEP, INSIDE 17"

3 MANHOLES IN FRONT END
DOUBLING RING 1/4" TH.

METHOD OF CONSTRUCTION

ALL HOLES DRILLED IN PLACE.
LONG & SEAM DOUBLE BUTT STRAPS TREEBLE RIVETED.
CIRCUMF. SEAMS CENTRE LAP & TREEBLE RIVETED.
ENDS LAP & DOUBLE RIVETED.
BOARD OF TRADE WORKING FACTOR 4.5
ALL PLATES, STAY BARS & RIVETS, STEEL

MAKERS OF MATERIAL

PLATES MADE BY
STAY BARS MADE BY
RIVETS MADE BY W. BEARDMORE & CO. GLASGOW.
TUBES " " RAL. STENART & CO. DUNDEE & L. GLASGOW.

| HEATING SURFACE ETC. | | |
|------------------------------------|------------|--------------|
| | ONE BOILER | FOUR BOILERS |
| 350 TUBES 3/4" EXT. DIA. 7'2" LONG | 2135 1/2 | 8540 8 |
| 4 PURVES FURNACES (33 CIRCUMF.) | 235 | 952 |
| 4 COMBUSTION CHAMBERS | 340 3/4 | 1361 2 |
| TOTAL HEATING SURFACE | 2713 5 | 10853 2 |
| BAR SURFACE 6'0" x 3'4" | 80 | 320 |
| AREA THRO' TUBES | 15 1/4 | 61 1/4 |
| RATIO OF BAR TO HEATING SURFACE | 1.34 | 669 |
| TUBE AREA TO BAR SURFACE | 1: 5.194 | |

WORKING PRESSURE 195 LBS PER SQ. INCH.
TEST 390 "

LIST OF PLATES (4 BOILERS)

| NO. | LENGTH | BREADTH | THK. | PURPOSE |
|-------|-------------|------------|---------|-----------------------------------|
| A. 8 | 25' 10 1/2" | 5' 6 1/2" | 1 3/32" | OUTER SHELL |
| B. 8 | 25' 5 3/4" | 5' 6 1/2" | " | INNER SHELL |
| C. 4 | 5' 8" | 2' 9" | " | SHELL MANHOLE RING |
| D. 8 | 5' 6 1/2" | 1' 11 1/2" | 1 3/16" | OUTSIDE BUTTS |
| E. 8 | 5' 1 1/2" | 1' 11 1/2" | " | " |
| F. 8 | 5' 2 1/2" | 1' 11 1/2" | 1 1/16" | INSIDE |
| G. 8 | 2' 9 3/4" | 1' 11 1/2" | " | " |
| H. 4 | | | 3/32" | TOP END FRONT |
| J. 4 | | | 1/16" | BOTTOM END FRONT |
| K. 4 | | | 1/32" | TOP END BACK |
| L. 4 | | | 1" | BOTTOM END BACK |
| M. 8 | 10' 1 1/2" | 4' 3 3/8" | 29/32" | B.T. CENTRE |
| N. 8 | 8' 2 1/2" | 4' 11 1/2" | " | " WINGS |
| O. 8 | 10' 10 1/2" | 4' 2 1/4" | 9/16" | C.C. B. CENTRE |
| P. 8 | 8' 1 1/4" | 4' 10 1/2" | " | " WINGS |
| Q. 8 | 11' 10" | 2' 6 1/2" | " | C.C. SIDES CENTRE |
| R. 8 | 16' 5" | 2' 6" | " | " WINGS |
| S. 8 | 7' 5 1/2" | 2' 7" | 1" | C.C. BOTTOM CENTRE |
| T. 8 | 5' 3 1/2" | 2' 6 1/2" | " | " WINGS |
| U. 64 | 5' 8" | 1' 2" | 3/4" | C.C. GIRDERS |
| V. 12 | 2' 1 1/2" | 1' 10 1/2" | 1 1/16" | OUT OF PLATE, FRONT MANHOLE RINGS |
| W. 12 | 2' 1 1/2" | 2' 4 1/2" | 3/4" | BACK DOUBLING PLATES |
| X. 16 | 7' 5" | 12 1/2" | 1/32" | TOP END WINGERS |
| Y. 16 | 3' 7 1/2" | 8 3/4" | 3/4" | " |

LIST OF STAY BARS (4 BOILERS)

| |
|-----------------------------------|
| 56 BARS 11' 7 1/2" LONG x 5" DIA. |
| 40 " 11' 7" " 2 1/2" |
| 36 " 11' 3 1/4" " 2 1/4" |
| 40 " 7' 9" " 1 3/4" |
| 40 " 7' 8" " 1 3/4" |
| 560 FT. OF BAR 1 1/2" DIA. |
| 1440 " " 1 1/2" |

PLATES & BARS 1 SET OFF

ALL THE ABOVE PLATES & BARS TO BE OF
SIEMENS MILD STEEL, TO BE TESTED
IN THE PRESENCE & TO THE SATISFACTION
OF THE BOARD OF TRADE & LLOYD'S
SURVEYORS. SHELL PLATES & BUTT
STRAPS TO HAVE MINIMUM TENSILE
STRENGTH OF 28 TONS PER SQ. IN.

TO LLOYD'S & THE BOARD OF TRADE REQUIREMENTS

Spec A of lower front plate to have
doubling fitted to additional stay
bars to fitted each side of end
water space when marked &.



BOILERS NO. 266

SCALE ONE INCH = ONE FOOT

4 OFF

DRAWING NO. 7187

Vickers Sons & Co Ltd

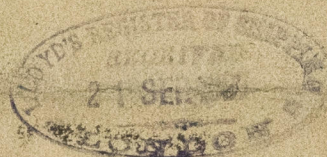
Main Boilers

No 266

Row R/R No 849

S.S. Anglia

BRW46-0052



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Foundation