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|---|-------------------|
| STEAM SPACE FROM ⁹ ABOVE THE COMB. CHAMBERS - ONE BOILER | 384 ^f |
| WEIGHT OF WATER (FRESH) | 21.5 TONS |
| DRAUGHT AREA THROUGH THE TUBES | 7.35 ^f |

MAIN BOILERS 4 OFF

SCALE 1" = 1 FOOT

LONGITUDINAL JOINT
 PLATE $1\frac{1}{2}$ " RIVET HOLES $1\frac{1}{2}$ " PITCH 9" OUTER BUTT STRAP $1\frac{1}{2}$ " THICK INNER $1\frac{1}{2}$ " THICK
 PERCENTAGE OF PLATE 84.95 RIVETS B.O.F.T. 84.99 LLOYDS 87.95
 FACTOR OF SAFETY 4.5 PRESSURE BY RULE B.O.F.T. 201 LLOYDS 230 Lbs

CENTRE CIRCUMFERENTIAL JOINT
PLATE $1\frac{15}{16}$ RIVET HOLES $1\frac{15}{16}$ PITCH $4\frac{1}{2}$ BARE
PERCENTAGE OF PLATE 67.36 RIVETS B.O.T. 68:01 LLOYDS 68.3

END CIRCUMFERENTIAL JOINTS.
 PLATE $1\frac{13}{32}$ RIVET HOLES $1\frac{15}{32}$ PITCH $3\frac{1}{2}$
 PERCENTAGE OF PLATE 58.03 RIVETS B.or.T. 56 58 LLOYDS 58.54

NOTE. TENSILE STRENGTH OF SHELL PLATE 28 TO 32 TONS
" " " " OTHER PLATES 26 TO 30 "

ALL RIVET HOLES DRILLED IN PLACE

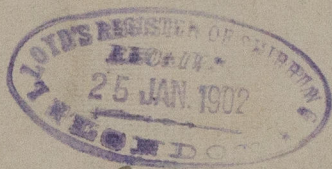
| PLATE-LIST | | | | |
|----------------|-------------------------|----------|----------------|-----------|
| N ^o | DESCRIPTION | LENGTH | BREADTH | THICKNESS |
| 8 A | SHELL OUTER | 21-98 | 80 1/2 | 1 1/2 |
| 8 B | " " INNER | 28-14 | 60 1/2 | 1 1/2 |
| 8 C | " " " | 14-95 | 60 1/2 | 1 1/2 |
| 8 D | BUTTSTRAPS OUTER | 6-20 | 20 1/2 | 1 1/2 |
| 8 E | " " " INNER | 5-11 1/2 | 20 1/2 | 1 1/2 |
| 8 F | " " " " | 4-6 1/2 | 20 1/2 | 1 1/2 |
| 8 G | " " " INNER | 4-9 1/2 | 20 1/2 | 1 1/2 |
| 4 H | TOP FRONTS | 15-35 | 60 1/2 x 3 1/2 | 1 1/2 |
| 4 J | FRONT TUBE PLATES | 15-35 | 60 1/2 x 3 1/2 | 1 1/2 |
| 4 K | FURNACE FRONTS | 15-35 | 60 1/2 x 3 1/2 | 1 1/2 |
| 4 L | TOP BACKS | 15-35 | 60 1/2 x 3 1/2 | 1 1/2 |
| 4 M | BOTTOM BACKS | 15-35 | 60 1/2 x 3 1/2 | 1 1/2 |
| 4 N | CENTRE BACK TUBE PLATE | 9-25 | 50 1/2 | 1 1/2 |
| 8 O | WING " " " | 7-4 1/2 | 60 1/2 | 1 1/2 |
| 4 P | C.C. CENTRE BACKS | 9-25 | 50 1/2 | 1 1/2 |
| 8 Q | " " WING " " " | 7-5 1/2 | 60 1/2 | 1 1/2 |
| 4 R | CENTRE C.C. TOP & SIDES | 16-32 | 29 1/2 | 1 1/2 |
| 8 S | WING " " " | 16-11 | 29 1/2 | 1 1/2 |
| 4 T | CENTRE " " BOTTOM | 6-2 | 30 1/2 | 1 1/2 |
| 8 U | WING " " " | 3-6 | 29 1/2 | 1 1/2 |
| 8 V | GIRDERS | 14-9 | 32 | 1 1/2 |
| 8 W | DOUBLINGS | 5-4 | 10 1/2 | 1 1/2 |
| 8 X | " " " | 3-2 | 36 | 1 1/2 |

| STAY LIST | | | |
|-----------|------------|----------|-------------------|
| N° | LENGTH | BARE DIA | DESCRIPTION |
| 54 | 12 - 2 1/2 | 2 1/8 | STEAM SPACE STAYS |
| 8 | 12 - 3 3/8 | 3 1/4 | " " " |
| 24 | 12 - 3 | 2 1/4 | " " " |
| 8 | 10 - 1 1/2 | 1 5/8 | " " " |
| 10 | 10 - 0 | 1 1/2 | SCREWED STAYS |
| 12 | 10 - 0 | 1 5/8 | " " " |
| 26 | 10 - 0 | 1 1/2 | " " " |

Nº 194-
22 JAN. 02
WELFART

LOLLOAD2 BTCL2

Del Pass
Workman Clark 194
Main Sailed
S.S. Marere



Del 5533

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