

MIDSHIP SECTION

SS N° 223

NUMERALS	
BREADTH MLD	51.66
DEPTH MLD	26.12
TRANSVERSE NO	77.78
LENGTH	375.00
LONGITUDINAL NO	29167
ERRECTIONS	2334
EQUIPMENT NO	31701
TO SHUTTER DECK	10.95
d - 22.7	

14.3.14
20.3.14
28.3.14

LENGTH B.D. = 375.0' SCALE 1/2" = 1 FOOT
BREADTH MLD = 51.8' DEPTH MLD = 26.1/2'

EQUIPMENT	
2 DOWN ANCHORS	56 1/2 CWT STOCKS
1 STEAM	47 1/2 " " " "
1 KEDGE	6 1/2 " " " "
270 FATHOMS	2 1/8 STD CHAIN CABLE
90 "	4 1/2 STEEL WIRE STEAM
120 "	" " " " " "
90 "	3 1/4 " " " " " "
2.90 "	2 1/2 " " " " " "
90 "	2 " " " " " "

SEPARATE PLANS OF CASING, HATCHES
& BULKHEADS TO BE SUBMITTED.

SHELTER DECK PLATING
36 FOR 1/2 LENGTH TO 32
BUTTS DOUBLE RIVETED FOR 1/2 LENGTH
SINGLE AT ENDS.

SHELTER DECK STRINGER PLATE
32 x 34 FOR 1/2 LENGTH TO 34 x 42
BUTTS TREBLE RIVETED FOR 1/2 LENGTH
DOUBLE AT ENDS

STRINGER ANGLE 4 1/2 x 4 1/2 x 56 TO 46

SHELTER DECK BEAMS
9 x 3 x 48 REDUCED AT ENDS
AS PER PROFILE
1/2 BEAMS 7 x 3 x 42 B.A.
FOR H.F. BEAMS, SEE HATCH PLAN

SHELTER DECK BEAM KNEES
2 1/4 x 42, 5 x 3/4 RIVETS
KNEES AT HATCH ENDS 30 x 44
FRAMES 7 x 7/8 RIVETS

UPPER DECK PLATING
34 TO 30 AT ENDS BUTTS
SINGLE RIVETED ALL FORE & AFT

UPPER DECK STRINGER PLATE
63 x 46 TO 33 x 42 BUTTS TREBLE
RIVETED FOR 1/2 LENGTH DOUBLE AT ENDS
STRINGER ANGLE 3 1/2 x 3 1/2 x 46 TO 42

UPPER DECK BEAMS
11 1/2 x 3 1/2 x 48 REDUCED AT ENDS
AS PER PROFILE .56
1/2 BEAMS 11 1/2 x 3 1/2 x 32 B.A.
FOR H.F. BEAMS, SEE HATCH PLAN

UPPER DECK BEAM KNEES
27 x 34, 6 x 7/8 RIVETS
KNEES AT HATCH ENDS 33 x 50 FRAMES
8 x 7/8 RIVETS

CARGO BATTENS 6 x 2 WHITE WOOD
SPACED 12 APART

DOUBLE BOTTOM.

SOLO FLOORS 40 TO 36 .50 IN BOILER SPACE
ON EVERY FRAME FORWARD OF 3/8 LENGTH & W/ENGINE ROOM
ELSEWHERE ON EVERY 3RD FRAME (SEE PROFILE)
SOLE FLOORS FRAMED ON TOP IN LIEU OF REVERSE FRAMES
EXCEPT IN WAY OF ENGINE ROOM & UNDER BOILER BEARERS
REVERSE FRAMES IN ENGINE ROOM 3 1/2 x 3 1/2 x 40 DOUBLE FROM
CENTRE LINE TO BEYOND THE GIRDERS NEXT OUTSIDE ENGINE BED
REVERSE FRAMES UNDER BOILER BEARERS 3 1/2 x 3 1/2 x 50 DOUBLE
FRAMES 3 1/2 x 3 1/2 x 40 SINGLE, DOUBLE FORWARD OF 3/8 L
BRACKET FLOORS 40 TO 36 .50 IN BOILER SPACE
FRAMES 7 1/2 x 3 1/2 x 44 B.A. REDUCED .04 WHERE SPAN
REV. FRAMES 7 1/2 x 40 B.A. BETWEEN GIRDERS IS REDUCED .10
SIDE GIRDERS 38 TO 36 .48 IN BOILER SPACE
FRAMED TO SOLO FLOORS
VERTICAL LUGS ON BRACKET FLOORS 7 x 3 x 40 B.A.
TOP BARS 3 1/2 x 3 1/2 x 40 .60 IN BOILER SPACE
BOTTOM BARS 3 1/2 x 3 1/2 x 40 .60

TANK TOP PLATING
CENTRE STRAKE 50 TO 40 .56 IN BOILER SPACE
BUTTS OVERLAPPED & TREBLE RIVETED FOR 1/2 LENGTH
DOUBLE AT ENDS
TANK TOP W/HOLDS 40 TO 34 .48 IN ENGINE SPACE
.56 IN BOILER SPACE
BUTTS OVERLAPPED & DOUBLE RIVETED FOR 1/2 LENGTH AT ENDS
TANK TOP INCREASED .08 UNDER HATCHES IN LIEU OF WOOD CEILING

FRAMES.

FRAMES 24 APART IN PEAKS
25' APART BETWEEN PEAK BULKHEADS
10 1/2 x 3 1/2 x 58 B.A. BETWEEN PEAK BULKHEADS
CARRIED TO SHELTER DECK AT HATCH ENDS
FRAMES IN PEAKS 6 1/2 x 3 1/2 x 42 TO SHELTER DECK
0.12 & 3 FRAMES 5 1/2 x 3 1/2 x 36 WITH 3 1/2 x 3 x 36 REV.
SHORT FRAMES IN TWEEN DECKS CLEAR OF PEAKS
5 1/2 x 3 1/2 x 36 SCARFED 18" ON TO MAIN FRAMES

STEM 10 x 2 3/4
PROPELLER POST 10 x 7 1/2
RUDDER POST 9 x 7 1/2

MARGIN PLATE.

34 x 46 .56 IN BOILER SPACE
BUTTS OVERLAPPED & TREBLE RIVETED FOR 1/2 LENGTH
DOUBLE AT ENDS
MARGIN ANGLE 3 1/2 x 3 1/2 x 46
OUTSIDE VERTICAL ANGLES 5 x 3 1/2 x 40 TO 56 SINGLE
.60 IN BOILER SPACE
INSIDE VERTICAL ANGLES 5 x 3 1/2 x 40 TO 56 SINGLE
.50 IN BOILER SPACE
GUSSET ANGLES 4 x 3 x 36 ON EVERY 2ND FRAME
.50 IN BOILER SPACE
TANK OUTSIDE BRACKETS 40 TO 36
.50 IN BOILER SPACE

WEBS SPACED AS PER PROFILE
TANGED ON FACE & TO SHELL

L STRAKE OUT.

83 x 66 TO 44
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

K STRAKE IN.

75 1/4 x 60 TO 44
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

J STRAKE OUT.

71 x 64 TO 48 .44 IN PEAKS
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

H STRAKE IN.

72 1/4 x 56 TO 48 .44 IN PEAKS
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

G STRAKE OUT.

71 x 64 TO 48 .44 IN PEAKS
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

F STRAKE IN.

68 1/4 x 60 TO 46
BUTTS QUADRUPE RIVETED
FOR 1/2 LENGTH, TREBLE AT ENDS

BLAKE KEEL 10 x 44 BUL PLATE
6 x 44 1/2 TIE BAR

KEEL OUT.
54 x 94 FOR 3/5 LENGTH
TO 66 AT ENDS
BUTTS QUADRUPE RIVETED
TREBLE WHERE 7/8 & UNDER

3 STRAKE IN.
73 x 60 TO 46

C STRAKE OUT.
73 x 60 TO 46

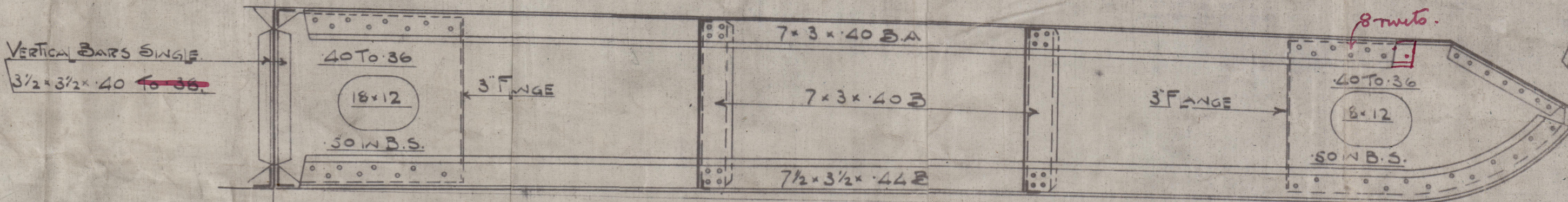
D STRAKE IN.
73 x 60 TO 46

E STRAKE OUT.
68 x 60 TO 46

3 C & E STRAKES QUADRUPE RIVETED FOR 1/2 LENGTH, TREBLE AT ENDS
REDUCED .04 WHERE SOLO FLOORS FITTED ON EVERY FRAME
3 C & D MAINTAIN MIDSHIP THICKNESS TOLLISION BULKHEAD

Bottom forward strengthened as per Rule.

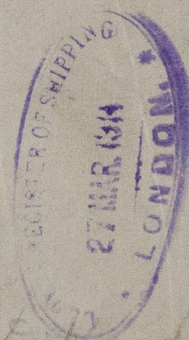
SKETCH OF BRACKET FLOOR.



Northumberland S.B. Co. Ltd

Maritime Section

No 223



Messrs. E. & F. Vassalli
S.S. "BRONZE WINGS."

NEWCASTLE-ON-TYNE.

Report No. 67318.