

# MIDSHIP SECTION

S.S. N<sup>o</sup>s 244-

Scale 1" = 1 foot

Length 399'6" Breadth 52'66" m/a Depth 26'92"

Twain decks 8'6" above

Plan of casings, bulkheads & Hatches to be submitted later.

Shelter deck plating

40 for 1/2 length to 34 at ends.  
Butts double riveted for 1/2 length.  
Single at ends.

Shelter deck

Channel Runners  
6" x 3 1/2" x 3/4"

Pillars 2 1/8 dia

Upper deck  
22 camber

Shelter Deck Beams

9 1/2" x 3 1/2" b.a. reduced at ends  
as per Rules.  
5 beams 7'13" x 42 b.a.  
for Hatch end beams, see Hatch plan.

Upper deck plating

(not required by rule)  
34 for 1/2 length to 30  
Butts single riveted all fore & aft.

Upper Deck Beams

11" x 3 1/2" x 56 b.a. Reduced at ends  
as per Rules.  
1/2 beams 9 1/2" x 3 1/2" x 56 b.a.  
For Hatch end beams, see Hatch plan.

Double bottom

Solid floors 40 to 36 1/2 in boiler space.  
On every frame forward of 1/2 length & in Engine space.  
Also at after end. Elsewhere on every 3rd frame (see profile).  
Solid floors flanged on top in lieu of Reverse frames  
except in Engine space, forward of 1/2 length,  
and under boiler beams.  
Reverse frames in Engine space 8'0" each  
side of centre to be 32" x 3 1/2" x 40 double.  
Reverse frames under boiler beams 32" x 3 1/2" x 38, single.  
Frames on solid floors 32" x 3 1/2" x 40 single double port & stbd, forward of Collision Bulkhead.  
Bracket floors 40 to 36 1/2 in boiler space.  
Frames on Bracket floors 7 1/2" x 3 1/2" x 40 b.a.  
Reverse frames 7 1/2" x 40 b.a. 50 in boiler space.  
Stake girders 40 to 36 1/2 in boiler space.  
Flanged to solid floors, except forward 1/2 length.  
Reverse frames on solid floors 32" x 3 1/2" x 40 in B.S. single.

for Pillars & Girders  
see profile

Shelter Deck stringer

60 x 54 for 1/2 length to 35 x 44  
Butts treble riveted all fore & aft.  
Stringer angle 5'5" x 58 for 1/2 length  
to 72 at ends.

Shelter deck beam knees

21" x 42 - 5' x 3/4 Rivets.  
Knees at Hatch ends 30 x 44  
Flanged 7'7 1/2 Rivets.

For position of web frames  
see profile

Upper deck stringer

60 x 44 for 1/2 length to 34 x 42  
Butts treble riveted for 1/2 length  
double at ends.  
Stringer angles 3 1/2" x 3 1/2" to 72

Upper deck beam knees

33 x 33 x 50 8'7 1/2 Rivets  
Knees at Hatch ends 33 x 50  
Flanged 8'7 1/2 Rivets.

Frames

Frames spaced 24 apart in fore peak.  
On 25 1/2 apart between Peak Bulkheads.  
11" x 3 1/2" x 58 b.a.s between Peak bulkheads.  
Reduced owing to deeper T.O.B's & beam knees.  
Frames in Peaks 7'13" x 42 b.a.s to stainer & fore deck.  
Frames 0'12" x 3 1/2" x 58 b.a.s to stainer & fore deck.  
Short frames in Twain decks clear of Peaks 6'12" x 30 angles  
scattered 33 on to main frames.  
All main frames carried to Upper deck except at  
Hatch ends where they are carried to shelter deck.

Stem bar 10 1/2" x 2 1/2"  
Propeller post 10 1/2" x 7 1/2"  
Rudder 9'7 1/2"

Margin Plate

35 x 78 58 in boiler space.  
Butts treble riveted for 1/2 length.  
Double at ends.  
Margin angle 4'1" x 78  
Outside vertical angles 5'5" x 52  
62 in boiler space.  
Inside vertical angles 5'3 1/2" x 70  
50 in boiler space.  
Gusset angles 4'3" x 70 50 in boiler space.  
Fitted on every 2nd frame.  
Tank outside Brackets 40 to 36 50 in B.S.  
Flanged 32 on top.  
11'7 1/2 Rivets in outside angles where Gusset is fitted.  
13'7 1/2 Rivets where no Gusset is fitted.

Tank top plating

Centre stake 50 to 40 56 in boiler space.  
Butts treble riveted for 1/2 length. Double at ends.  
Tank top in holds 40 for 1/2 length to 30 at ends.  
48 in engine space. 50 in boiler space.  
Butts double riveted for 1/2 length. Single at ends.  
Tank top increased 08 in lieu of Wood Ceiling.

Double

Single

Single

Single

Centre Girder

Top bar 4 1/2" x 7 1/2" x 60 to 50  
60 in boiler space single.  
Centre girder plate 43 x 50 1/2 x 40  
60 in boiler space.  
Butts treble riveted all fore & aft.  
Vertical lugs 5'5" x 56 single for  
1/2 length 32 x 32 x 40 single at ends.  
Bottom bars 4 1/2" x 7 1/2" x 60 for  
1/2 length to 42 x 42 x 56 at ends.

Keel out

44 x 98 for 1/2 length to 70  
Butts quadruple riveted.  
Treble where 7/8" under

B stake in

72 x 62 x 76

C stake out

72 x 62 x 76

D stake in

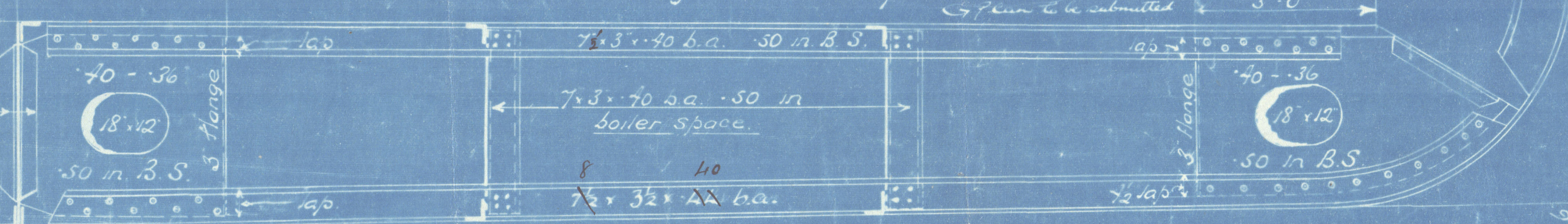
72 x 62 x 76

E stake out

72 x 62 x 76

B.C.D & E stakes Quadruple riveted for 1/2 length, treble at ends  
reduced 04 where solid floors are fitted on every frame.  
B.C.D to maintain midship thickness 10 for Rule position of Collision Bulkhead  
Bottom forward strengthened as per Rules.

Vertical lugs 3 1/2" x 3 1/2" x 40



Numerals	
Breadth moulded	52'66"
Depth	26'92"
+ 5' for 8'6" between decks	5
Depth for numerals	27'42"
Transverse number	80'08"
Length B.P.	399'6"
Longitudinal number	31999
Directions	2397
Casings etc	308
Equipment number	34704
Length - depth to shelter deck	11'28"
α	23'34"

Equipment

2 Power anchors, each 20 cwt. Stockless	
1 anchor	50 1/2 ex stock
1 Steam	16 1/2 ex stock
1 Keel	
270 fathoms 2 1/2" steel chain cable	
90 "	4 3/4" steel wire
120 "	4 3/4" " " " "
90 "	3 1/2" " " " "
90 "	3 " " " " "
20 90 "	2 1/2 " " " " "

M strake in

69' x 76 to 74  
Butts quadruple riveted  
for 1/2 length, treble at ends

L strake out

74' x 66 to 74  
Butts quadruple riveted  
for 1/2 length, treble at ends

K strake in

66' x 66 to 48' x 44 in Peaks

J strake out

66' x 66 to 78' x 44 in Peaks

H strake in

66' x 66 to 78' x 44 in Peaks

G strake out

66' x 66 to 78' x 44 in Peaks

F strake in

66' x 62 to 46  
Butts quadruple riveted  
for 1/2 length, treble  
at ends

8 Dec. 1916



Northumberland S. Co. Ltd

SS 244

Midship Section

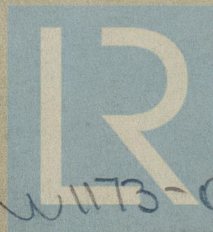
Sister to SS Carlisle Castle No 230

Two report 69626

~~Dover Hill~~  
SS CLAN MACVICAR  
NEWCASTLE ON TYNE.

Report No. 70821

RETAIR



© 2020

Lloyd's Register  
Foundation

W1173-0159