

Letter Hpl Sur
12/4/79

S.S. "Grain"

Prop No. 4280

MIDSHIP SECTION

Dimensions.	ft	in
Length over all	270	0
Length B.P.	261	0
Breadth extreme	32	0
Breadth moulded	31	10
Depth moulded	14	9 1/2
Depth of hold to floors	14	0
Tonnage C.M.		

CLASS 100A1
Scale 1/2 inch to 1 foot

13 and under 14 Depths in Length 13.8
8 and under 8 1/2 Breadths in Length 8.1

SECTION THRO ENGINE ROOM

SECTION THRO FORE HOLD

Forecastle Deck

Beam Bull 6 1/2 x 9/16
" Angle 2 3/4 x 2 3/4 x 3/8
Stringer Plate 21 x 3/16
" Angle 3 x 3 x 3/8
Tie Plate 8 x 3/8
Shell plating 9/16

Quarter Deck

Beams 7 1/2 x 7/16 Bull 3 x 3 x 1/16 angle
Stringer plate 37 x 1/16 red to 28 x 9/16
" Angle 5 x 4 x 9/16
Iron deck 3/8 for 1/2 length amid
Wood deck 3 1/2
Sill plate 12 x 9/16 at ends of vessel only

Main Deck

Beams Bull 7 1/2 x 1/16 Angle 3 x 3 x 1/16
Stringer plate 37 x 1/16 red to 28 x 9/16 at ends
" Angle 5 x 4 x 9/16 for 3/5 length amid
Iron deck 3/8 for 1/2 length amid
Wood deck 3 1/2
Sill plate 12 x 9/16 at ends of vessel only

Cabin Sole

Beams Bull 8 1/2 x 9/16 angle 4 x 3 x 1/16
Stringer Plate 31 x 9/16 red to 24 x 9/16
" Angle 4 x 4 x 9/16 for 3/5 length amid
Beam covering plate 8 1/2 x 1/16
Gusset plate 6 x 2 x 1/16

Numbers

Length for number 259.6
Breadth 15.11
Depth 18.4
Girth 30.5
Small R 64.11
C.G. 185.31

Rudder head 6 1/2
" keel 3 1/2
Stem 8 1/2 x 2 1/2 red to 8 x 2
Stem post 9 1/2 x 4 1/2
Keel 9 x 2 1/2

Lower Deck

Beams Bull 8 1/2 x 9/16 angle 4 x 3 x 1/16
Stringer Plate 31 x 9/16 red to 24 x 9/16
" Angle 4 x 4 x 9/16 for 3/5 length amid
Beam covering plate 8 1/2 x 1/16
Gusset plate 6 x 2 x 1/16

Bulkheads

Lower half 9/16
Upper 5/16
Vertical stiffeners 3 x 3 x 9/16
Horizontal 4 x 3 x 1/16

40 x 1 1/2 for 1/2 length red to 9/16 at ends with bulstraps 1/2 thicker than plates and treble riveted for 1/2 length
2 1/2 x 1/16 for 3/5 length in lieu of doubling plate to sheerstrakes
10/16 red to 9/16
5 1/2 seam for 1/2 length 4 1/2 at ends
Shell plates 10/16 red to 9/16
5 1/2 seam for 1/2 length 4 1/2 at ends
5 1/2 seam
Three Strakes
Bulstraps to be 1/2 thicker than plates and treble riveted for 1/2 length
Shell plates 10/16 red to 9/16
10/4/79
EDWARD WITHEY & CO
IRON SHIPBUILDERS
HARTLEPOOL

N^o 83 S.S.

18M
4/4/79 12/4/79

Henry Withy 29/3/79
2/4/79

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