

SCANTLING NUMERALS

|   |               |   |           |
|---|---------------|---|-----------|
| 1 <sup>st</sup> Longitudinal N <sup>o</sup> | L x D         | = | 555       |
| 2 <sup>nd</sup> " "                         | L x (B+D)     | = | 1635      |
|   | $\frac{L}{D}$ | = | 6.48      |
|   | d             | = | 8.42 8.75 |

N<sup>o</sup> 412 MIDSHIP SECTION

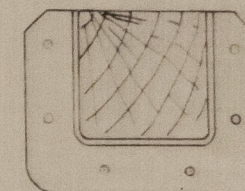
DIMENSIONS 60'x18'x9'-3" MOULDED

SCALE: 1" = 1 FOOT.

TO CLASS A<sup>+</sup> AT LLOYDS.

CANAL SERVICE.

DRAFT 5'-6"



DETAIL OF SOCKET FOR

6x6 P.P. BEAMS

1/2" = 1 FT.

No Camber on Deck

Poop Deck 2" Pitch pine

" " Stringer angle 2 1/2 x 2 1/2 x 25

" " Plate 12 x 22

" " Tie plates 6 x 22

Main Deck plating 25" all Fore & Aft doubled in way of 4 Ton Crane Forward

6 x 6" Pitch Pine Beams (see profile)

Hatch Coaming 9 1/2 x 25 carried 3" above Deck with 3 x 2 1/2 x 30 angle on bottom edge.

3 x 2 1/2 x 30 round hatch

3 x 2 1/2 x 30 A

Beam Knees 12 1/2 x 30 4-5/8 Riv.

See profile for Floor of Crew Space

Main Deck Stringer 4 1/2 x 30 all F & A Angle 3 x 2 1/2 x 30 A

RIVETTING NOTE.

5/8 RIVETS

Sternpost 7/8 Rivets spaced 4 3/8" apart C' to C'

Frames thro' floors - shell 4 1/2" "

" " for of 1/2 L 3 1/2" "

Rev. Frames thro' floors 4 1/2" "

Beams 4 1/2" "

Beams on alt Frames (Poop) 3 3/4" "

Bulkhead Stiffeners 4 1/2" "

" " Frames to Shell 3 1/8" "

" " " to Bhd. 2 3/4" "

Centre Girder Cont' Angles 4 1/2" "

" " Vert. " 3 1/8" "

Seams of Deck plating 8" as per Table 40

End laps of " " 2 1/2" "

" " Stringer plate 2 1/4" "

Seams of Bulkhead plating 2 3/4" "

Seams of Shell plating 8" as per Table 40

End Laps of " " 2 1/4" "

For Beams see approval Profile

Frames spaced 21" apart throughout

Main Frames 4 x 3 x 30 angle carried to C' Line from Deck

4 x 3 x 30

4 x 3 x 30

4 x 3 x 30 angle carried up to Poop Deck

4 x 3 x 30 in Bunkers, Boiler Room & under Boiler Bearers

Floors 12 x 26 carried across ship Reverse bars 2 1/2 x 2 1/2 x 25 single angle

" " in way of Engines 28" in way of Boilers 34"

Rev. Frames in Engine space Double 2 1/2 x 2 1/2 x 28 angle and double 2 1/2 x 2 1/2 x 34 in Boiler Room and under Boiler Bearers

Centre Girder (Intercostal) 28" 38" in B space vertical connecting angle 3 x 3 x 30 38" assumed current annual in 38"

" " angle to shell 3 x 3 x 25 single and Intercostal

Centre Girder Top continuous angles 3 x 3 x 32 for 1/2 L to 3 x 3 x 25 at ends 42 BR.

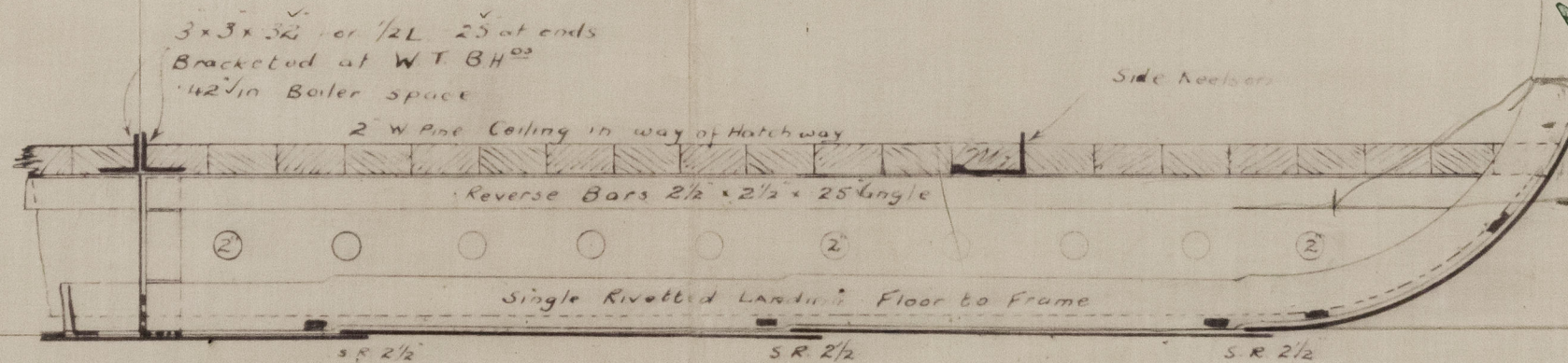
Thro' Beams 3 1/2 x 3 x 30 Angle (See profile for special Stiffening under 4 Ton Crane) 12 1/2 x 30 knees 4-5/8 Rivets all Fore & Aft

Alt Beams to Poop Deck 3 1/2 x 3 x 30 angle

Beam Carlings 3" x 2 1/2" x 30 angle with 4 1/2 x 4 1/2 Lugs - 2-5/8 Riv.

Sternpost 5" x 2 Rudder post 4 3/4 x 2

Side Keelson 6 x 3 x 36 SA run all Fore & Aft angle straps and Bracketed at WT Bulkheads



Keel 34 x 36 for 3/5 L to 32 at ends

A Stroke 36 25 all Fore - Aft

B Stroke 36 25 all Fore & Aft

Bottom plating in way of Ice Breaking Tee Bars to be flush plated & Butt Straps Double Riveted (as specified)

NOTE The scantlings & details of construction noted herein, are submitted on the understanding that they are the minimum which will be accepted for class. If not, they are to be amended. Errors and omissions excepted.

APPROVED

LLOYD'S REGISTER OF SHIPPING

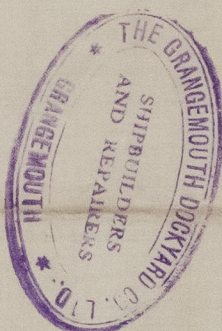
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Lloyd's Register Foundation

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Grangemouth Dock Co.

No. 412

Midship Section

1/5 Clydeforth

Lt. 45760



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