

16.7.02
24.7.02
12.8.02
16.9.02

Midships Section N^o 436 and 437

Principal Dimensions

Length overall 363' 0"
Length between perps 350' 0"
Breadth extreme 45' 3"
Depth moulded 30' 0"
Depth of hold 26' 9"
Draft of water

Scale 1/2" = 1 Foot

Cass + 100 A.I. Lloyds 3 Tons Rule

Lloyds Tonnage

1/2 Breadth 22.50
Depth (incl 10 1/4 crop) 30.70
1/2 Girth 48.22

348.16 = 11.26 Depth to upper deck 1st Number 7.00
348.16 = 15.17 Depth to main deck 2nd Number 329.43
22.94

Equipment Tonnage

418 x 44 22 35.380
348.16 500 5.280
Equipment etc 406.690

Equipment

2 Bowers 5 1/2 cwt each stockless
1 Bower 46 1/4 " stockless
1 Stream 12 3/4 " ex stock
1 Pledge 6 1/2 "
270 fms 2 3/16" steel chain cable
90 " 4 1/2" steel wire
120 " 4 1/2" "
2 Off 90 fms 2 3/8" lowline
2 Off 90 " 2 3/8" tawfers
2 Off 90 " 2 3/8" wraps

Riveting

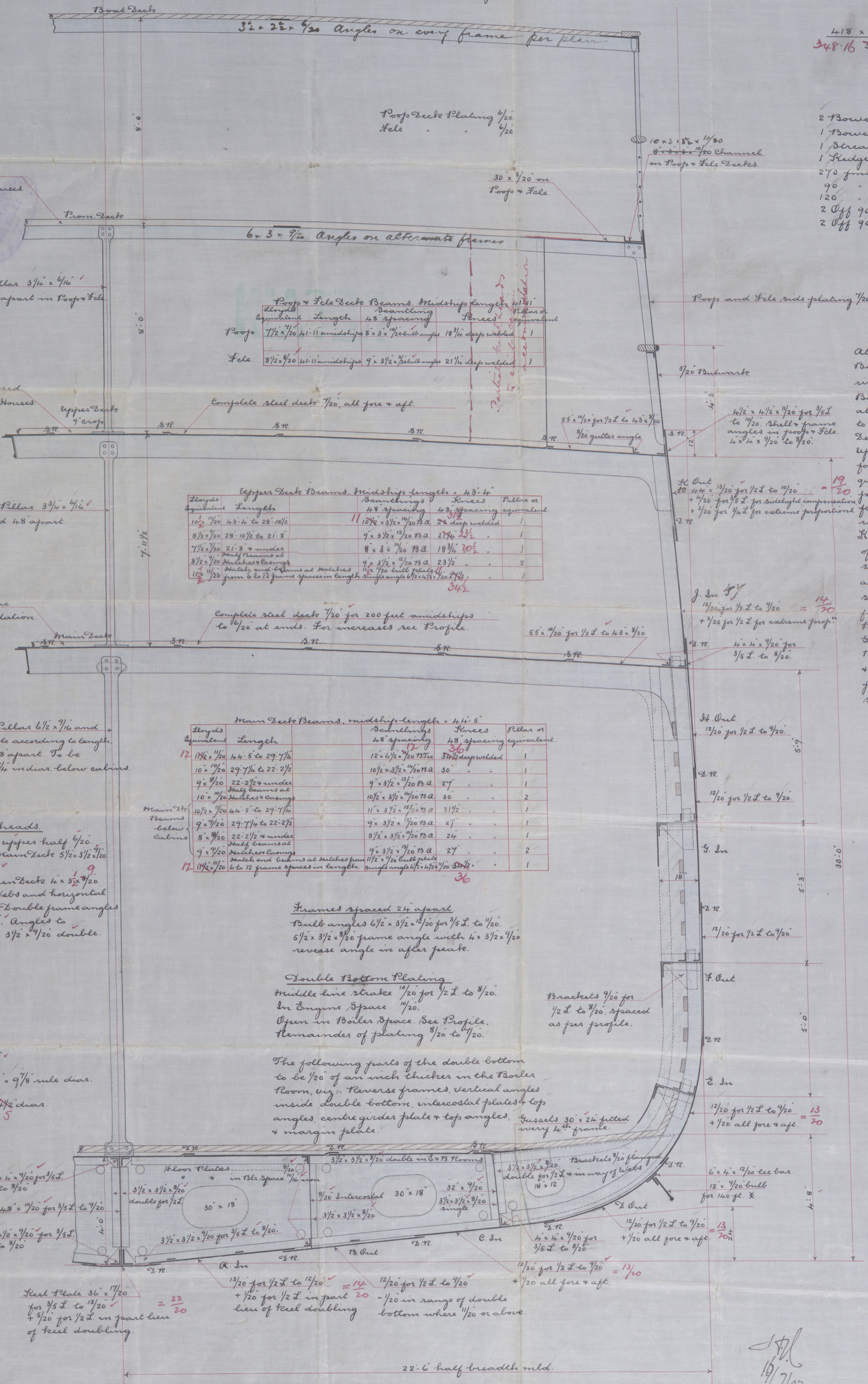
All butts and seams to be lapped.
Butts of upper deck stringers to be quadruple riveted for 1/2 L. to treble at ends.
Butts of main deck stringers to be treble riveted, all fore & aft. Butts of upper & main deck plating to be double for 1/2 L. to single at ends.
Deck beams single riveted, all fore & aft. Butts of upper deck shearstrakes to be quadruple riveted for 1/2 L. to treble at ends. Butts of steel strake quadruple riveted all fore & aft. Butts of shell plating from A to J inclusive treble riveted all fore & aft, and quadruple riveted where above rule widths. Shell beams from keel to lower edge of L strake (both inclusive) double all fore & aft. Butts of Poops & Side sides to be double riveted, seams single riveted. Butts of double bottom double riveted all fore & aft. Beams of centre strake & an additional strake each side of centre to be double riveted, all fore & aft, remainder single. Butts of margin plate to be double riveted. Butts of Centre keels to be treble riveted. W.T. Bulkhead Butts & Beams single riveted. Butts of Poops & Side stringers double riveted, remainder of plating single. Beams of Poops & Side plating single riveted.

Intercoastal Side Stringers 3 Off.

Plate 18" x 1/2" for 1/2 L. to 1/20"
Single Frame angle 4" x 3 1/2" x 1/2" for 1/2 L. to 1/20"
Single Shell Angle 3 1/2" x 3 1/2" x 1/20"
Double Connecting Angle 3 1/2" x 3 1/2" x 1/2" for 1/2 L. to 1/20"
Single Lace Angle 6 1/2" x 4 1/2" x 1/2" for 1/2 L. to 1/20"

Web Frames continuous.

Spaced as per profile.
Plate 18" x 1/2" for 1/2 L. to 1/20"
Frame angle 5 1/2" x 3 1/2" x 1/2" for 1/2 L. to 1/20" single.
Single Reverse Angle 6 1/2" x 4 1/2" x 1/2" for 1/2 L. to 1/20".
Half diamond plate 36" x 20" x 1/20" for 1/2 L. to 1/20".



Hollow Pillar 3 1/4" x 1/4"

Spaced 48" apart in Poops & Side

Hollow Pillar 3 1/4" x 1/4"

Spaced 48" apart

Hollow Pillar 6 1/2" x 1/4" and

as per table according to length.

Spaced 48" apart. To be

reduced 1/4" in diam. below cabins.

Transverse Bulkheads.

Plating, lower half 1/20", upper half 1/20".
Vertical stiffeners below main deck 5 1/2" x 3 1/2" x 1/20"
angles spaced 30" apart.
Vertical stiffeners in main deck 4" x 3 1/2" x 1/20"
angles spaced 30" apart. Webs and horizontal
stiffeners as per profile. Double frame angles
5 1/2" x 3 1/2" x 1/20" for 1/2 L. to 1/20". Angles to
Tank Top and decks 4" x 3 1/2" x 1/20" double.

Stem 11" x 2 1/2"

Stempost 11" x 6 3/4"

Rudder Head 9 1/8" = 9 1/8" rule diam.

Rudder post 14 1/2" diam.

Frames spaced 24" apart

Butt angles 6 1/2" x 3 1/2" x 1/20" for 1/2 L. to 1/20".
5 1/2" x 3 1/2" x 1/20" frame angle with 4" x 3 1/2" x 1/20"
reverse angle in after peak.

Double Bottom Plating

Middle line strake 1/20" for 1/2 L. to 1/20".
In Engine Space 1/20".
Open in Boiler Space. See Profile.
Remainder of plating 1/20" to 1/20".

The following parts of the double bottom
to be 1/20" of an inch thicker in the Boiler
Room, viz:- Reverse frames, vertical angles
inside double bottom, intercoastal plates & top
angles, centre girder plate & top angles,
& margin plate.

Brackets 1/20" for
1/2 L. to 1/20", spaced
as per profile.

Russels 30" x 2 1/2" fitted
every 4th frame.

Steel Plate 36" x 1 1/2" x 1/20"
for 1/2 L. to 1/20"
4 1/2" for 1/2 L. in part line
of keel doubling.

3 1/2" x 3 1/2" x 1/20" for 1/2 L. to 1/20".

1 1/2" for 1/2 L. to 1/20" = 14
+ 1/20" for 1/2 L. in part
line of keel doubling
bottom where 1/20" or above.

22'-6" half breadth mid.

Sir W. G. Armstrong, Whitworth & Co. Ltd.
WALKER SHIPYARD,
NEWCASTLE-UPON-TYNE.
ENQUIRY No. 375/12.3. DATE 10/1/02.

Newcastle-on-Tyne
Messrs Armstrong Whitworth & Co
S. S. Nos 736 & 737.

Midship Section

N^o 736 S.S. "Yongala"

Inv. 45921.

N^o 737 S.S. "Yongala"



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Lloyd's Register
Foundation