No. 4

21. 879

MIDSHIP SECTION

Nos 562-563

T.S. SHELTER-DECK STEAMERS FOR THE Cie BELGE MARITIME DU CONGO

RULE DIMENSIONS 440' × 56,833 × 28,75 TO UPPER × 37' TO SHELTER Dk MLD.

SCANTLING NUMBERS 85,833 & 37766.5

PROPORTIONS LENGTH - 11,89 DEPTHS TO SHELTER-DECK.

"d" = (UNDER) 16,00 (not exceeding)

TO CLASS ✠ 100 A 1 AT LLOYDS - SHELTER-Dk

SCALE 1/24 : 1/2" : 1 FOOT

Equipment

1st Number for Equipment	37766.5
Shelter-Deck 440 × 8 × 3/4	2640
Erections upon Shelter-Deck Amidship 217 × 8.25 / 2	895.1
Erections upon B.D. 176 × 9 / 2	792
Engine and Funnel Casing upon Boat-Deck 47 × 7 / 2	164.5
Deck House upon Boat-Deck 104 × 8 / 2	436
Fore castle 87 × 7.25 × 3/4	512.2
Poop 56 × 8 × 3/4	336
Deck House upon Poop-Deck 43 × 8 / 2	172
Equipment Number	43714.3

3 Bowers stockless Anchors Collective Wgt	219½ Cwts
1 Stream Anchor & stock	22 "
1 Kedge Anchor " "	10 "
300 Fathoms stud-chain cable	2 7/16"
120 " Steel wire	5"
130 " Towline, Hemp 15" or Steelwire	5 3/4"
2 Hawsers of 8" Length 100 Fms Each	
2 warps of 8" Length 100 "	

Riveting

All butts overlapped (quintuple)

Butts of flat plate keel O.R. for ½ length to O.R. & T.R. at ends

Butts of sheerstrake of shelter-deck, strake below, outside plating from keel to upper turn of bilge, stringer plate of shelter-deck O.R. for ½ L. amidship O.R. to T.R. at ends

Butts of outside plating from upper turn of bilge to strake below sheerstrake, stringer plate of upper deck and second-deck, center girder plate in double bottom, margin plate T.R. for whole the length

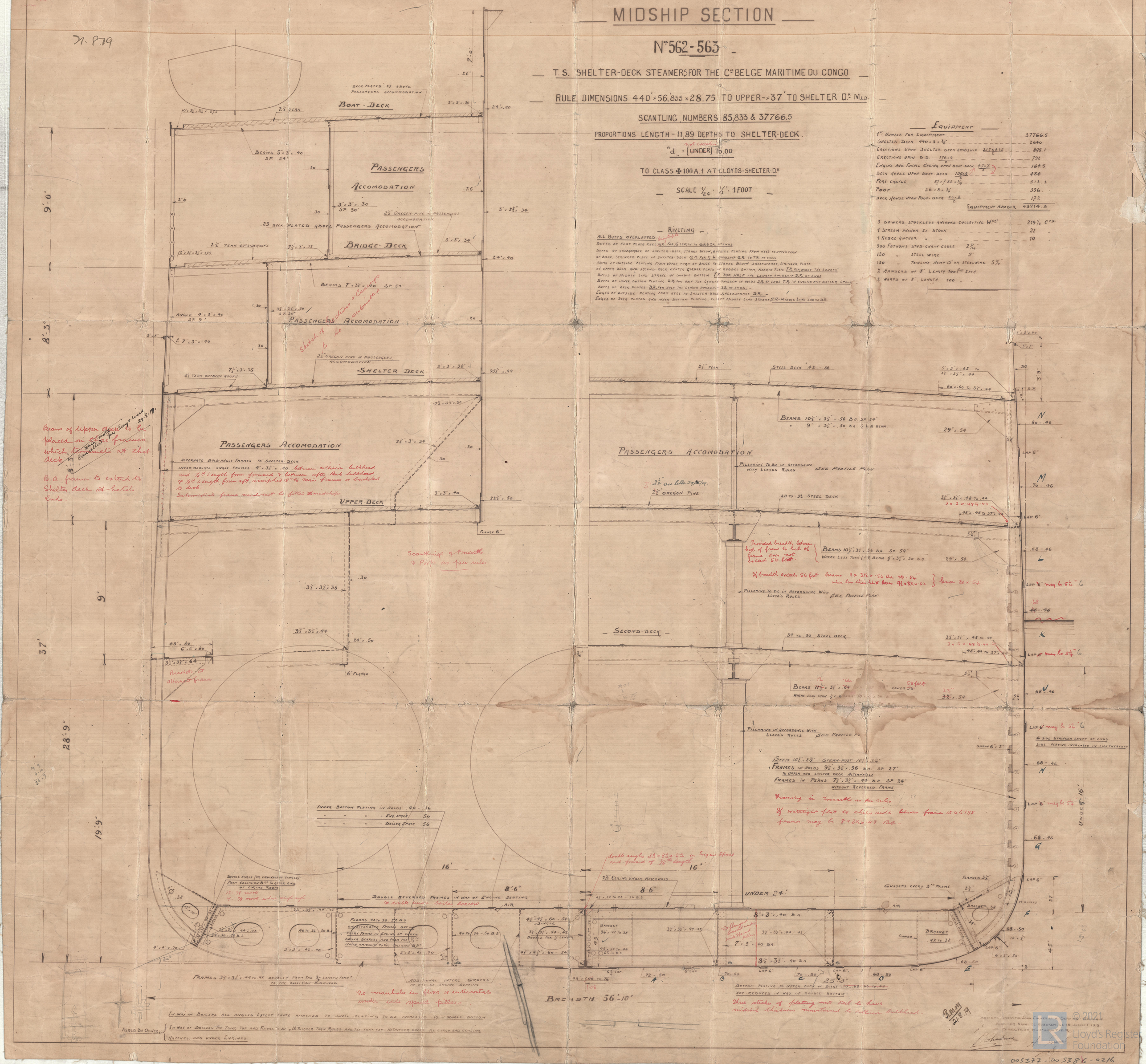
Butts of middle line strake of double bottom T.R. for half the length amidship D.R. at ends

Butts of inner bottom plating D.R. for half the length amidship in holds S.R. at ends T.R. in engine and boiler space

Butts of deck plates D.R. for half the length amidship S.R. at ends.

Edges of outside plating from keel to shelter-deck sheerstrake D.R.

Edges of deck plates and inner bottom plating, except middle line strake S.R. - middle line strake D.R.


Boat-Deck
Passengers Accomodation
Bridge-Deck
Passengers Accomodation
Shelter Deck
Passengers Accomodation
Upper Deck
Second-Deck
Beams of upper deck to be placed on the transverse frames which will be fitted at that deck
B.A. frames to extend to shelter deck at hatch ends.
Scantlings of Forecastle & Poop as per rules
Brackets at alternate frames
Alternate build-angle frames to shelter deck
Intermediate angle frames 4" × 3½" × .40 between collision bulkhead and 1/16th length from forward & between after peak bulkhead of 1/16th length from aft, scarphed 18" to main frames or bracketed to deck
Intermediate frames need not be fitted amidship
Double reversed frames in way of engine seating
No manholes in floors or intercostals under wide spaced pillars
Breadth 56'-10"
Bottom plating to upper turn of bilge not reduced in way of double bottom
Stem 10½ × 2⅞ Stern-post 10½ × 3½
Frames in holds 9½ × 3½ × .56 B.A. Sp. 27" to upper and shelter deck alternately
Frames in peaks 7½ × 3½ × .44 B.A. Sp. 24" without reversed frame
Framing in forecastle as per rules
Inner bottom plating in holds .40 - .36
" " " Eng. Space .50
" " " Boiler Space .56
Frames 3½ × 3½ × .49 to .42 doubled from the ¾ length forward to the collision bulkhead
Double angle (or equivalent single) from collision B.H. to after end of engine room
Floors .42 to .38 B.S. only alternate frames but every frame in engine space under boiler bearers and from the ¾ length amidship to the collision B.H.
Additional inter. girders in way of engine seating
In way of boilers all angles except those attached to shell-plating to be increased .10 in double bottom
Asked by owners: In way of boilers the tank top and floors to be .18 thicker than rules and the tank top .10 thicker under all cargo and coaling hatches and under engines
Gussets every 3rd frame
Flanged 3½
Bracket .38
Bracket .42 to .38
Bracket 36 - .42 to .38
Under 24'
Under 8'-16"
Flange 6"
Lap 6"
Lap 6" may be 5¼"
No side stringer except at ends
Side plating increased in lieu thereof
Sapin 6 × 2"
Pillaring to be in accordance with Lloyd's Rules
See profile plan
Provided breadth between heel of frame to heel of frame does not exceed 56 feet
If breadth exceeds 56 feet beams 11 × 3½ × .56 B.A. Sp. 54" when less than ½ L.A. beam 9½ × 3½ × .52 } beams 30 × 54
Beams 10½ × 3½ × .56 B.A. Sp. 54"
Where less than ½ L.A. beam 9 × 3½ × .50 B.A.
Beams 11½ × 3½ × .64 under 56 feet
Where less than ½ L.A. beam 10 × 3½ × .56 B.A.
Steel Deck .42 - .36
40 to .32 Steel Deck
34 to 30 Steel Deck
2½" Teak
2½" Oregon Pine
Double angles 3½ × 3½ × .52 in engine space and forward of ⅛th length
2½" Ceiling under hatchways
Frames 8 × 3 × .40 B.A.
Frames 7 × 3 × .40 B.A.
Frames 8½ × 3½ × .40 B.A.
Bracket 36 - .42 to .38
Bracket .42 to .38
Floors .42 to .38 B.S.
Floors .40 to .36 .50 B.S.
Floors .40 to .36 - .50 B.S.
Floors .45 to .40 .52 in B.S.
Floors .45 - .52 to .42 - .36 B.S.
Floors .45 - .54 to .40 .62 in B.S.
Frames 3 × 3 × .42 - .40
Frames 3½ × 3½ × .44
Frames 3½ × 3½ × .64
Frames 3½ × 3½ × .49 - .42
Frames 3½ × 3½ × .49 - .42
Frames 3½ × 3½ × .49 - .42
Frames 3½ × 3½ × .36
Frames 3½ × 3½ × .34
Frames 3½ × 3½ × .34
Frames 3½ × 3½ × .34
Frames 3½ × 3½ × .30
Frames 3½ × 3½ × .30
Frames 3½ × 3½ × .30

7" x 3" x 40

3" x 1"

20 10

200

22,000

200 x 20

57.2
56.83
.37

56.83

56.83
2.72
1.955

56.83
.23
57.06

.68
4
12) 2.72
.22

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Lloyd's Register
Foundation

Soc Anom^e John Cockerill

Nos 562 & 563

Midship Section.

"MARISTRELLA" MM. 5382

Lloyd's Register of Foundation
Received
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LONDON

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* CHARLTON STAR

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