



Lloyd's Register of Shipping.

816 Merchants National Bank Bldg.,

Mobile, Ala.

March 31, 1943.

The Principal Surveyor,
NEW YORK.

S.S. "RAPHAEL SEMMES"

Dear Sir:

In reply to your letter of the 24th instant regarding the above vessel we have to say

- (a) The tonnage openings in the shelter deck ('tween) bulkheads were closed by jointed plates bolted to place by $3/4$ " bolts spaced $5\ 1/2$ ".
(See particulars of any special features and particulars of scuppers noted on freeboard reports submitted.)
- (b) There are seven (7) W.T. bulkheads extending to the shelter deck.
- (c) The thicknesses of the deck plating abreast the openings are all as approved.
- (d) There is no Circular No.1284 filed in this office.

The various tank capacities have been calculated, viz,-
Tons salt water 35 cubic feet per ton.
Tons fresh water 36 cubic feet per ton.
Tons fuel $37\frac{1}{2}$ cubic feet per ton.

The capacities are as follows:-

Fore Peak

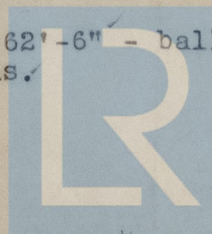
From frame 0 - 15, length 29 feet, capacity - ballast only - 143.4 tons.

Double Bottom No.1

From frame 15 - 41, length 57 feet - ballast - 165.54 tons, fuel oil - 152.26 tons.

Double Bottom No.2

From frame 41 - 66, length 62'-6" - ballast - 328.36 tons, fuel oil - 302.05 tons.



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Foundation

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Double Bottom No.3

From frames 66 - 84, length 45'-0" - Ballast 289 tons,
fuel oil 211.26 tons.

Double Bottom No.3A

From frames 84 - 97, length 32'-6" - ballast 223.04 tons,
fuel oil 305.48 tons.

Deep Tanks

From frames 84 - 97, length 32'-6" - ballast 948.6 tons,
fuel oil 899 tons.

Double Bottom No.4

From frames 98 - 114, length 40 feet - fresh water 237.33
tons.

Double Bottom No.5

Frames 115 - 144, length 72'-6" - ballast 353.19 tons,
fuel oil 324.39 tons.

No.6 deep Tanks P. & S. (tunnel tanks)

Frames 144 - 155, length 27'-6" - ballast 206.38 tons,
fuel oil 190.12.

No.7 Deep Tanks P. & S. (tunnel tanks)

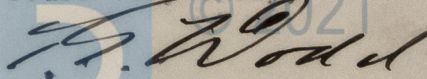
Frames 155 - 170, length 27'-6" - ballast 115.06 tons,
fuel oil 106 tons.

After Peak

Frame 176 aft, length 23 feet - ballast only - 183.36
tons.

- (e) The double bottom terminates at the after end of No.4 hold.
- (f) The deep tanks in way of the tunnel are intended for fuel oil bunkers only.
- (g) It is noted that the equipment has been found incorrect and is estimated to be approximately 46960, which corresponds to letter d.
- (h) The diameter of the body of the screwshaft is 18-3/8" as approved.
- (j) Heating surface of the boilers for insertion in the Register Book should be 8144 sq. feet.

Yours very truly,



for the Surveyors.

TGD/F

FAEL LE DOTAN

3

FORVING LACISINTE

ANOT 883 JASL LAD - "0-12N dtgnel

3.01 motor eddng
4.1 - 83 samst mot
ANOT 88.118 llo leut

ANOT 40.883 JASL LAD - "0-12N dtgnel

45.01 motor eddng
78 - 48 samst mot
ANOT 84.808 llo leut

ANOT 0.848 JASL LAD - "0-12N dtgnel

AKNET DEED
78 - 48 samst mot
ANOT 883 llo leut

35.753 JASL LAD - JEST 04 dtgnel

4.01 motor eddng
ALL - 88 samst mot
ANOT

ANOT 81.853 JASL LAD - "0-12N dtgnel

3.01 motor eddng
41 - 81 samst
ANOT 82.483 llo leut

ANOT 88.803 JASL LAD - "0-12N dtgnel

(AKNET DEED)
3.8.7 AKNET DEED 0.01
31.081 llo leut

ANOT 80.811 JASL LAD - "0-12N dtgnel

3.8.9 AKNET DEED 7.01
41 - 81 samst
ANOT 801 llo leut

35.881 - VINO JASL LAD - JEST 88 dtgnel

AKNET DEED
41 - 81 samst
ANOT

4.01 TO ONE TOLLE ENT JA ESTANINTEJ MOTTOJ ELDOOB ENT (e)

TOT BADNEINI OTS LEMNU ENT TO YAW NI ANKAT DEED ENT (t)

NI DNUOT NEED ANJ JEMNGIPE ENT TART PETON EL IT (a)

00888 YLATEMINIOTIPE ED OT BETAMITIAS AL DUA JESTOTIS

"3/2-31 EL TIALIEMOTOT ENT TO TROD ENT TO TETEMILB ENT (h)

ENT NI NOITTEANI NOT STALLAD ENT TO ESTEINGA KALTEAN (l)

NOT JEST. PE ALLE ED DLUONS MOOE TETALISEJ

Noted
7.C.D
26.5.43

[Handwritten signature]