



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

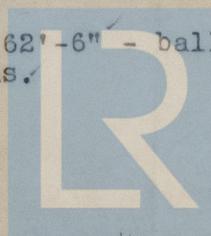
From frame 0 - 15, length 29 feet, capacity - ballast only - 143.4 tons.

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.



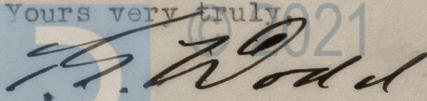
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Foundation

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Double Bottom No.3From frames 66 - 84, length 45'-0" - Ballast 289 tons,
fuel oil 211.26 tons.Double Bottom No.3AFrom frames 84 - 97, length 32'-6" - ballast 223.04 tons,
fuel oil 305.48 tons.Deep TanksFrom frames 84 - 97, length 32'-6" - ballast 948.6 tons,
fuel oil 899 tons.Double Bottom No.4From frames 98 - 114, length 40 feet - fresh water 237.33
tons.Double Bottom No.5Frames 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 PeakFrame 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.

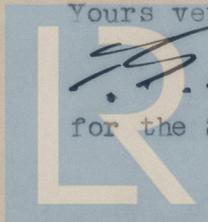
Yours very truly,



for the Surveyors.

TGD/F

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3/2-31 ni t'at'at'et'at' ent to t'od ent to referent' ent' (t)

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tot b'ad'nat'it' ete t'ann'at' ent to t'aw ni t'k'at' t'ead ent' (t)

4.01 to ene t'et'ra ent t'ra t'at'ant'it'at' mot'ot' el'at'ob ent' (a)

32.231 - v'ino t'at'illad - t'et' 32 d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 30.311 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 33.302 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 31.232 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 32.232 t'at'illad - t'et' 32 d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 30.232 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 29.232 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 28.232 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

ent 27.232 t'at'illad - d'at'at' d'at'at'el, t'ra d'VI t'ant'at' (a)

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