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(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Rpt. C.11 (Comp.) *41949*

PESCA I.
SOUTHERN GAMBLER.

Official Number *184017*

Nationality and Port of Registry
ARGENTINE.
BRITISH.
BUENOS AIRES.
LEITH.

Gross Tonnage *438.*

Date of Build

Port of Survey

Date of Survey *14.12.49.*

Surveyor's Signature

Particulars of Classification *BS * Whaling Purpose.*

Moulded Dimensions: Length *144.38'* Breadth *27.50'* Depth *15.46'*

Moulded displacement at moulded draught = 85 per cent. of moulded depth *830* tons

Coefficient of fineness for use with Tables *.68 (Actual .557)*

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth <i>15.46</i>	(a) Where D is greater than Table depth (D - Table depth) R = <i>(15.61 - 9.63) 1.11 = +6.64"</i>	Moulded Breadth (B) <i>27.50'</i>
Stringer plate <i>.05</i>	(b) Where D is less than Table depth (if allowed) (Table depth - D) R = <i>✓</i>	Standard Round of Beam = $\frac{B \times 12}{50} = 6.60$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) = .208 \left(\frac{72.38}{144.38} \right) = .10$	If restricted by superstructures <i>✓</i>	Ship's Round of Beam = <i>8</i>
Depth for Freeboard (D) = <i>15.61</i>		Difference = <i>1.40</i>
		Restricted to
		Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{1.40}{4} = -.35"$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
Fore enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total					

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$

" " $\frac{E}{L} =$

Percentage from Table, Line A.
(corrected for absence of fore-castle (if required))

Percentage from Table, Line B.
(corrected for absence of fore-castle (if required))

Interpolation for bridge less than .2L (if required)

Deduction = *NIL.*

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	<i>24.44</i>	1		<i>24.44</i>	<i>58.00</i>	<i>58.00</i>	1		<i>58.00</i>
$\frac{1}{4}$ L from A.P.	<i>10.88</i>	4		<i>43.52</i>	<i>24.50</i>	<i>24.50</i>	4		<i>98.00</i>
$\frac{3}{4}$ L "	<i>2.69</i>	2		<i>5.38</i>	<i>4.50</i>	<i>4.50</i>	2		<i>9.00</i>
Amidships	-	4		-	-	-	4		-
$\frac{3}{4}$ L from F.P.	<i>5.38</i>	2		<i>10.76</i>	<i>9.25</i>	<i>9.25</i>	2		<i>18.50</i>
$\frac{1}{4}$ L "	<i>21.75</i>	4		<i>87.00</i>	<i>38.50</i>	<i>38.50</i>	4		<i>154.00</i>
F.P.	<i>48.88</i>	1		<i>48.88</i>	<i>85.50</i>	<i>85.50</i>	1		<i>85.50</i>
Total				<i>219.98</i>					<i>423.00</i>

Mean actual sheer aft = *Excess*

Mean standard sheer aft

Mean actual sheer forward = *Excess.*

Mean standard sheer forward

Length of enclosed superstructure forward of amidships = *Flush Deck.*

" " aft of " = *Deck.*

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{203.02}{18} \times .75 = -8.46"$

If limited on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. *Yes -2.17"*

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = *15.51*

Summer freeboard = *2.08*

Moulded draught (d) = *13.43*

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = *3.35 = 3\frac{3}{4}"*

Addition for Winter North Atlantic Freeboard (if required) = *5\frac{1}{4}"*

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta =$

Tons per inch immersion at summer load water line

T =

Deduction = $\frac{\Delta}{40 T}$ inches

= *2\frac{1}{2}"*

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction

Deduction for superstructures

Sheer correction

Round of Beam correction *wood*

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc. corresponding to an all seasons moulded draught of *13'5" (13'5\frac{1}{2}" actual)*

Summer Freeboard = *25.00*

	+	-
Depth Correction	<i>6.64</i>	-
Deduction for superstructures	-	<i>2.17</i>
Sheer correction	-	<i>.35</i>
Round of Beam correction	-	<i>1.20</i>
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	<i>5.14</i>	-
Summer Freeboard	<i>11.78</i>	<i>3.72</i>

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc

Fresh Water Line " "

Tropical Line " "

Winter Line below " "

Winter North Atlantic Line " "

Tropical Fresh Water Freeboard

Fresh Water " "

Tropical " "

Winter " "

Winter North Atlantic " "