

STANBANK 36770 etc

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index. No. 37104
(For London Office only).
16 DEC 1942
No 33557

Ship's Name "Stanledge" BHARATVIJAYA Pickersgill's Yard 256	Official Number 168371	Nationality and Port of Registry British London BOMBAY.	Gross Tonnage 5490 5976.50 (approx)	Date of Build 1942	Port of Survey Sunderland
Moulded Dimensions: Length 395' Breadth 53.75' Depth 35.66 70 AFTER SIDE OF STERNPOST.					Date of Survey Whilst building
Moulded displacement at moulded draught = 85 per cent. of moulded depth 14162 tons					Surveyor's Signature Jas Kenna
Coefficient of fineness for use with Tables 770					Particulars of Classification + local mth freed (contemplated)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 35.66	(a) Where D is greater than Table depth (D-Table depth) R = (35.71-26.33) 3 = + 28.14"	Moulded Breadth (B) 53.75'
Stringer plate05	9.38	Standard Round of Beam = $\frac{B \times 12}{50} = 12.90"$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Ship's Round of Beam = 13"
Depth for Freeboard (D) = 35.71	If restricted by superstructures ✓	Difference 1.10"
		Restricted to
		Correction = $\frac{\text{Diff}^o}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{1.10}{4} \times .9121 = -.02"$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
F'cle enclosed ...	34.71	34.71	7.0	7.45	32.61
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...	34.71	34.71			32.61

Standard Height of Superstructure 7.45'

" " R.Q.D. ✓

Deduction for complete superstructure 41.67"

Percentage covered $\frac{S}{L} = 8.79$

" " $\frac{S_1}{L} = 8.79$

" " $\frac{E}{L} = 8.26$

Percentage from Table, Line A. 4.13
(corrected for absence of forecastle (if required))

Percentage from Table, Line B. ✓
(corrected for absence of forecastle (if required))

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

Deduction = 41.67 × .0413 = - 1.72"

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	49.50	1	49.50	39.0	39.00	1	39.00
1/2 L from A.P. ...	22.03	4	88.12	17.5	17.50	4	70.00
2/3 L " ...	5.445	2	10.89	4.17	4.37	2	8.74
Amidships ...	-	4	-	✓	-	4	-
2/3 L from F.P. ...	10.89	2	21.78	8.5	8.50	2	17.00
1/2 L " ...	44.06	4	176.24	34.75	34.75	4	139.00
F.P. ...	99.00	1	99.00	81.00	81.00	1	81.00
Total ...			445.53				354.74

Mean actual sheer aft =
Mean standard sheer aft = } DEFICIENT

Mean actual sheer forward =
Mean standard sheer forward = }

Length of enclosed superstructure forward of amidships =
L

" " aft of " = } NIL

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{90.79}{18} \left(.75 - \frac{.0439}{.7061} \right) = + 3.56"$

If limited on account of midship superstructure. ✓

If limited to maximum allowance of 1 1/2 ins. per 100 ft. ✓

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 35.71
Summer freeboard = 10.10
Moulded draught (d) = 25.61

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.40 = 6 1/2"

Addition for Winter North Atlantic Freeboard (if required) = ✓

Deduction for Fresh Water.

Displacement in salt water at summer load water line
 $\Delta = 11165 @ 25'-9"$
Tons per inch immersion at summer load water line
T = 47.79
Deduction = $\frac{\Delta}{40T}$ inches = 6.87 = 6 3/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient 77+68
1.36

	+	-
Depth Correction ...	28.14	-
Deduction for superstructures ...	-	1.72
Sheer correction ...	3.56	-
Round of Beam correction ...	-	.02
Correction for Thickness of Deck amidships ...	-	-
Other corrections, scantlings, etc. TO CORRESPOND TO A SUMMER MOULDED DRAUGHT OF 25'-7 3/8	15.61	-
	47.31	1.74

Summer Freeboard = 121.25

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

Tropical Fresh Water Line above Centre of Disc ... 13 1/4"
Fresh Water Line " " ... 6 3/4"
Tropical Line " " ... 6 1/2"
Winter Line below " " ... 6 1/2"
Winter North Atlantic Line " " ... ✓

Tropical Fresh Water Freeboard ... 10'-1 1/4"
Fresh Water " " ... 9'-6 1/2"
Tropical " " ... 9'-6 3/4"
Winter " " ... 10'-7 3/4"
Winter North Atlantic " " ... ✓

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

Partial Third Deck Penalty

$$\begin{array}{r} 1.000 \quad 3.95 \\ .826 \quad 1.975 \\ \hline .174 \times 5.925 = 1.03 \end{array}$$

omit

omit

Trade of ship

Names of sister ships "Stanbank", "Stanqanth", "Stanford", "Empire Chaucer"

Builder's name and yard number Pickersgills Yard No. 256

Owners Stanhope Steamship Co.

Fee £ 16 : 0 : 0 will be charged on completion.



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