Rpt. C.11 (Comp.).

London Copy

OTTAWA MAYCOVE 38685.

27 JAN 1947

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER~~.)

Index. No. 38899
(For London Office only).

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
"TAI HANG 4" ex "OTTAWA MAYCOVE"	Not Available	Not Available	Previous to Alterations 337.94 New G.T. not Available	1946

Port of Survey __Port Arthur, Ont.__

Date of Survey __Afloat after completion October 8 – 26, 1946__

Surveyor's Signature __John Stephen__ __W. Hislop__

Moulded Dimensions: Length __140.42'__ ~~6.25~~ Breadth __27.0'__ Depth __17.5'__

Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ __1280__ tons

Coefficient of fineness for use with Tables _____ __.793__

Particulars of Classification __100 A.1.__
with Freeboard "Part Welded"
(Class contemplated).

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.

Depth for Freeboard (D).

Moulded depth ... ... __17.5'__

Stringer plate ... ... __.026__ ~~.03~~

Sheathing on exposed deck
$T\left(\frac{L-S}{L}\right) =$

Depth for Freeboard (D) = __17.526'__

Depth correction.

(a) Where D is greater than Table depth
$(D—Table depth)\ R=$
$(17.53 - 9.37)\,1.081 = +8.82''$

(b) Where D is less than Table depth (if allowed)
(Table depth—D) $R=$

If restricted by superstructures

Round of Beam correction.

Moulded Breadth (B) __27.0'__

Standard Round of Beam = $\frac{B \times 12}{50}$ = __6.48"__

Ship's Round of Beam = __7.0"__

Difference = __.52'__

Restricted to

Correction = $\frac{Diff^o}{4} \times \left(1 - \frac{S_1}{L}\right)$ = $\frac{52}{4}$ = $-.13''$

DEDUCTION FOR SUPERSTRUCTURES. (No Superstructures)

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang... ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed... ...					
" overhang aft ...					
" overhang forward ...					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft ...					
" forward					
Total					

FLUSH DECK

Standard Height of Superstructure _____

" " R.Q.D. _____

Deduction for complete superstructure _____

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

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

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

Percentage form Table, Line A.
(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 = __NIL__

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	24.00 ·06	1	24.06	15.50	15.50	1	15.50
⅙L from A.P. ...	10.69 ·71	4	42.84	6.50	6.50	4	26.00
⅓L " ...	2.64 ·5	2	5.30	.50	.50	2	1.00
Amidships ...		4	—	—	—	4	—
⅓L from F.P. ...	5.28 ·9	2	10.58	—	—	2	—
⅙L " ...	21.36 ·42	4	85.68	6.75	6.75	4	27.00
F.P.	48.00 ·12	1	48.12	31.50	31.50	1	31.50
Total ...			216.58				101.00

$\frac{Mean\ actual\ sheer\ aft}{Mean\ standard\ sheer\ aft} =$ } DEFICIENT

$\frac{Mean\ actual\ sheer\ forward}{Mean\ standard\ sheer\ forward} =$

$\frac{Length\ of\ enclosed\ superstructure}{L}$ forward of amidships =

" " aft of " = } NIL

Correction = $\frac{\text{Difference between sums of products}}{18}\left(·75 - \frac{S}{2L}\right)$ = $\frac{115.58}{18} \times .75 = +4.82$

If limited on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100 ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Ft.
Depth to Freeboard Deck = __17.526__ ₃

Summer freeboard = __6.02__

Moulded draught (d) = __11.51__

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 2.877 = 3"

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line
Δ = __940__

Tons per inch immersion at summer load water line
T = __7.95__

Deduction = $\frac{\Delta}{40T}$ inches
= 2.96"
= 3"

TABULAR FREEBOARD corrected for Flush Deck (if required) __16.39__ $14.28 + 2.11$

Correction for coefficient. $\frac{.793 + .68}{1.36} = \frac{1.473}{1.36}$ __17.75__

	+	—
Depth Correction	8.82	—
Deduction for superstructures	—	—
Sheer correction	4.82	—
Round of Beam correction	—	.13
Correction for Thickness of Deck amidships	—	—
Other corrections, scantlings, etc. Corresponding to a Summer moulded draught of 11'-6" (11'-6 9/16" actual)	40.99	—
	54.63	.13

+ 54.50

Summer Freeboard = __72.25__

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line. ~~Wood~~, Steel, Deck

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Tropical Fresh Water Line above Centre of Disc ...	6"	Tropical Fresh Water Freeboard	"	5'- 6¼"
Fresh Water Line " "	3"	Fresh Water "	"	5'- 9¼"
Tropical Line " "	3"	Tropical "	"	5'- 9¼"
Winter Line below " "	3"	Winter "	"	6'- 3¾"
Winter North Atlantic Line " "	Not Assigned	Winter North Atlantic "	"	Not Assigned

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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.

Trade of ship ....

Names of sister ships   **"OTTAWA MAYCREST"**

Builder's name and yard number.....**Port Arthur Shipbuilding Co. Ltd., Port Arthur, Ont.   Yard No. 98**

Owners......................**Chinese Government Supply Agency.**

Fee £ **$30.00**