

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT"CAPE DREPANON"
ex

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER~~, SAILED: "FORT LA CLOCHE"

WITHOUT TIMBER DECK CARGO

Nationality

BRITISH

Builders' Name and No. of Ship MARINE INDUSTRIES LTD

Port of Registry

LONDON.

SOREL P.Q. NO 129.

Official Number

169918.

Owners DOMINION OF CANADA ON CHARTER TO M.O.W.T.

Gross Tonnage

7151. 7123 per 1107 Lx.

(MGRS) OSCAR GROSS - LONDON
BURNS MARKES LTD LONDON.

Date of Build

JUNE 1944

dtd 30/9/54

Port and Date of survey SOREL DURING CONSTRUCTION.

Name of Surveyor

JAS. H. GREENHALGH.

Particulars of Classification

BS* (WITH FREEBOARD)

Names of Sister Ships PORT ROYAL PARK, ALGONQUIN PARK etc.

Type of Superstructures

FLUSH DECK

Trade of Ship

Service Endorsement If any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

TROPICAL FRESH WATER LINE above centre of disc

13 1/2"

Corresponding Freeboard

10' 6 1/2"

FRESH WATER LINE

" " "

7"

" "

9' 5"

9' 11 1/2"

TROPICAL LINE

" " "

6 1/2"

" "

10' 0"

WINTER LINE

below " "

6 1/2"

" "

11' 1"

WINTER NORTH ATLANTIC LINE " " "

" "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

Corresponding Freeboard

FRESH WATER

" " " "

" "

TROPICAL

" " " "

" "

WINTER

" " below "

" "

WINTER NORTH ATLANTIC " " "

" "

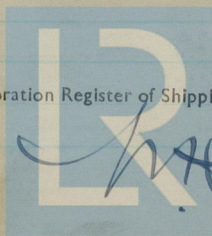
Number of years recommended for load line certificate

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the 2ND AUGUST 1944



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Foundation
Secretary

COMPUTATION OF FREEBOARD

Length on summer load line 417'6" Moulded Breadth 56'10 1/2" Moulded Depth 37'4" Depth of Keel 3 1/4'
 Moulded displacement (ex bossing) at moulded draught of 8 1/2 per cent. of moulded depth 16562 Tons
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = .7694$
 Displacement and tons per inch immersion in salt water at summer load line 13780 @ 48.25 T.P.I.
 Moulded depth 37.333 Deduction for Fresh Water $\frac{\Delta}{40T} = .14$ inches
 Stringer Plate .64 Round of Beam Correction
 Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$.053 Ships Round of Beam 14.00 inches
 Rise of floor (in sailers) - Standard Round of Beam $\frac{B \times 12}{50} = 13.65$
 Depth for Freeboard (D) 37.386 Difference .35
 Table Depth 27.833 Restricted to
 Depth Correction 3 \times 9.553 Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right) = .0875 \times 1$
 If restricted by superstructures 28.659 = .09 OFF.

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle						
Trunk Aft						
" Forward						
Tonnage Opening Aft						
" " Forward						
Totals						

Standard Height of Superstructure -
 " " R.Q.D. -
 Percentage covered S/L -
 " " E/L -
 " from Table line A, B, (corrected for absence of forecastle if required) -
 Percentage from Table by interpolation for Bridge less than .2L if required -
 Deduction -
 Percentage from Table for Tankers (or Timber ships) -
 Deduction -

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	54.75	51.75	54.75	1	54.75
1/2 L from A.P.	23.50	23.03	23.50	4	94.00
1/2 L from A.P.	5.75	5.69	5.75	2	11.50
Amidships	-	-	-	4	-
1/2 L from F.P.	11.62	11.38	11.62	2	23.24
1/2 L " "	46.75	46.06	46.75	4	187.00
F.P.	105.50	103.50	105.50	1	105.50
				18	475.99

Effective Mean Sheer = 26.444
 Standard " " .05L + 5 = 25.875
 Difference 0.569

Mean Actual sheer aft = MORE THAN 1.
 " Standard " "
 Mean Actual sheer forward = MORE THAN 1.
 " Standard " "
 Length of enclosed superstructure forward of amidships =
 Length of Ship
 Length of enclosed superstructure aft of amidships =
 Length of Ship
 Sheer Correction = Difference $\times \left(75 - \frac{S}{2L}\right) = .569 \times 750$
= 426.8 OFF
 If limited on account of midship superstructure =
 " to maximum allowance of 1 1/2 ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = 77 + 6.26 \times 83.26

Correction for co-efficient = 1.4494 / 136 = 88.74 DRAUGHTS AND SEASONAL CORRECTIONS

	+	-			
Depth correction	28.66	-			
Deduction for superstructures	-	-			
Sheer correction	-	.43			
Round of Beam correction	-	.09			
Correction for thickness of deck amidships					
Other corrections, scantlings, etc.	4.62				
	38.28	.52	37.76		
Summer Freeboard in inches	10.6 1/2	=	126.50		
Additional allowance for superstructures on					
Timber carrying ships	=				
Summer Timber Freeboard in inches	=				

Depth to Freeboard Deck in feet 37.386
 Summer Freeboard in feet 10.542
 Moulded Draught (d) 26.844
 Addition for Keel $\frac{3}{4}A + \frac{5}{8}B$.115
 Extreme draught 26.11 1/2 26.959
 Deduction for Tropical and addition for Winter freeboard $d/4 = 6 1/2$ ins.
 Addition for Winter North Atlantic (if required) - ins.
 Deduction for Tropical Timber Freeboard $\frac{d}{4}$ = ins.
 Addition for Winter " " $\frac{d}{3}$ = ins.
 " " N.A. Timber Freeboard (if required) = ins.

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD

CAPE DREPANON CONDITIONS OF ASSIGNMENT

SHIPS NAME FORT LA CLOCHE OFFICIAL NUMBER 169918
 Nationality and Port of Registry BRITISH GREEK LONDON

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	-	-	-	-	-	-	-	-
R.Q.D. "	-	-	-	-	-	-	-	-
Bridge Aft Bulkhead	-	-	-	-	-	-	-	-
" Forward "	-	-	-	-	-	-	-	-
Forecastle Bulkhead	-	-	-	-	-	-	-	-
Trunk, Aft	-	-	-	-	-	-	-	-
" Forward	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Freeboard or R.Q. Decks	1 1/2"	5/16"	3" x 3" x 5/16"	30"	BKTS.	5' x 2' - 3"	24 1/8"	10' - 6"
Exposed Machinery Casings on superstructure decks	-	-	-	-	-	-	-	-
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances	-	-	-	-	-	-	-	-
Deckhouses on flush deck ships	5/16"	5/16"	5 3/8" x 3" x 5/16"	36"	BKTS.	5' x 2'	18 1/4"	7' - 6"

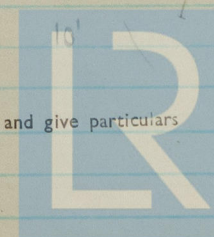
PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

Poop Bulkhead	
R.Q.D. "	
Bridge Aft Bulkhead	
" Forward "	
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or R.Q. decks	HINGED STEEL DOORS, WORKED FROM BOTH SIDES
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	HINGED WOOD DOORS (2" THICK) WORKED FROM BOTH SIDES

PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well					
Forward Well	ON UDK, AMIDSHIPS 132' - 0"	3' - 6"	4 @ 3' - 0" x 9" DEEP	9 FT ²	1
State fore and aft position and height above deck to bottom of port, for each port					
After Well					
Forward Well					

State whether freeing ports are fitted with shutters, bars or rails, and give particulars NONE
 Give particulars of freeing port area, etc., on superstructure decks



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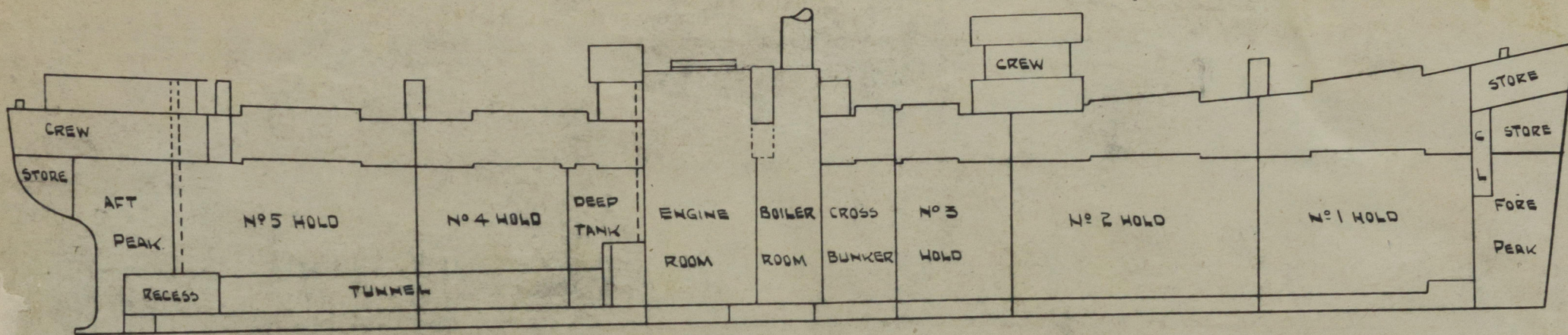
STORE

The Freeboard Report has been compared with the
approved plans and found in order.

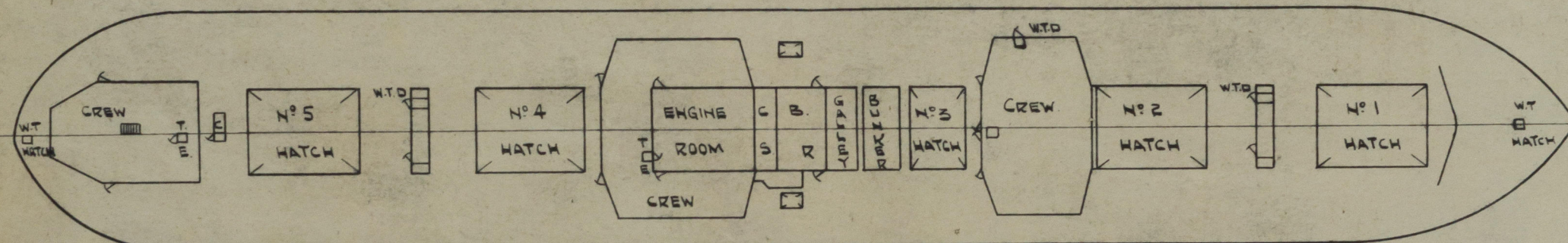
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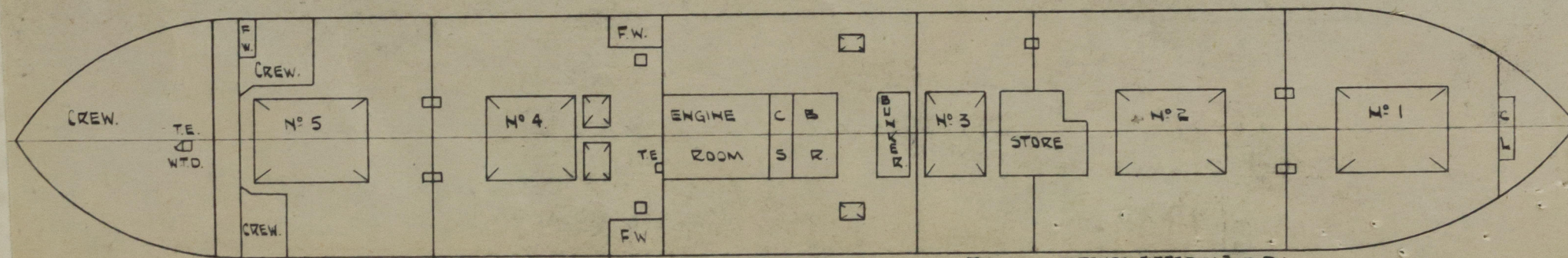
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PROFILE.



FREEBOARD DK.



SECOND DK.

TRIMMING HATCHES FITTED IN 2ND DK TO HOLDS - STEEL HINGED COVERS.

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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward		No.1	No.2	No.3	BUNKER	No.4	No.5	COAL HATCHES PYS	W.T. STORE HATCH FORD	W.T. STORE HATCH TO STEERING GEAR.
Dimensions of Hatchway		33'-9" x 20'-0"	35'-0" x 20'-0"	15'-0" x 20'-0"	8'-0" x 20'-0"	35'-0" x 20'-0"	35'-0" x 20'-0"	7'-2 1/2" x 4'-0"	3'-3" x 2'-6"	1'-9" x 2'-0"
COAMINGS	Height above steel deck	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-0"	2'-0"
	Thickness of sides	7/16"	Do.	Do.	Do.	Do.	Do.	Do.	Do.	
	Stiffeners	7/16"								
	Brackets or Stays	1/32"	1/32"	1/32"	1/32"	1/32"	1/32"			
HATCH BEAMS	Number	5	5	2	1	5	5			
	Spacing	5'-7 1/2"	5'-10"	4'-7 1/2" 5'-10"	4'-0"	5'-10"	5'-10"			
	Scantling and Sketch	18 1/2" x 1/32"	18 1/2" x 1/32"	18 1/2" x 1/32"	18 1/2" x 5/16"	18 1/2" x 1/32"	18 1/2" x 1/32"			
	Bearing Surface and thickness of carriers or sockets	5" x 3" x 3/8"	Do.	Do.	5" x 3" x 3/8"	Do.	Do.			
FORE AND AFTERS	Number	NONE								
	Spacing									
	Unsupported lengths									
	Scantling and Sketch									
HATCH COVERS	Bearing Surface and thickness of carriers or sockets									
	Material	B.C. FIR.								
	Thickness	2 7/8"								
	How Fitted	F & A.								
	Bearing Surface	3"								
Spacing of Cleats		24"								
Number of Tarpaulins		2								

Are tarpaulins in good condition and in accordance with rule requirements?

YES.

Are wood fore and afters steel shod at all bearing surfaces?

NONE FITTED

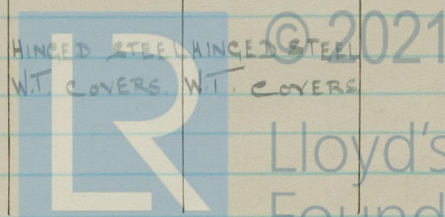
Are lashings provided in accordance with rule requirements?

LOCKING BARS FITTED

Are battens and wedges efficient and in good condition?

YES.

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Give full particulars of the following:—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

E.T.B. CASING TOPS 10'-6" ABOVE U.D.K.
E.R. SKYLIGHT, STEEL WITH HINGED STEEL COVERS HINGES PERMANENTLY SECURED
FUNNEL SECURED DIRECT TO CASING TOP T SKYLIGHT COAMING BOLTED TO CASING TOP
BAR ESCAPE HATCH TO B.R. 24" x 24" HINGED AND ONE TUGGLE WORKING BOTH SIDES,
ON TOP OF FIDDLEY.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

NONE

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

STEEL COMPANIONWAY TO CREW AFT 24" COAMING STEEL 2" HARDWOOD DOOR SOLID,
WORKED FROM BOTH SIDES.
ENTRANCES IN DECKHOUSE AFT - 24" COAMING, 2" HARDWOOD DOORS SOLID,
WORKED BOTH SIDES.
HINGED STEEL WT. (RUBBER JOINTED T TUGGLED) DOORS ON ALL ACCESSES TO T.W. DECKS
AND HOLDS WORKED FROM BOTH SIDES, DITTO TO TUNNEL ESCAPE IN T.D.K. AFT. DOOR
(DOUBLE HINGED) 2" SOLID HARD WOOD GIVING ACCESS TO PANTRY AT AFT END OF
SALOON HOUSE FITTED WITH PORTABLE WOOD STRONG BACK.
Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed
superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of
closing arrangements)

U.D.K. COAMINGS 36" MINIMUM.
WELDED ABOVE AND BELOW D.K.
WOOD PLUGS AND CANVAS COVERS FITTED.

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

HEIGHT 36" TO BOTTOM OF BEND ABOVE UPPER DECK.
WOOD PLUGS AND CANVAS COVERS FITTED.

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

IN TWEEN DECKS :-
PORT - 7 STORM VALVES FROM DECKHOUSES,
STARBOARD - 6 " " " "
PORT & STARBOARD - 1 " " DOUBLE FROM AFT ACCOMMODATION
" " - 1 " " GEARED TO UPPER D.K. FROM REFRIG. CHAMBERS
TO RUDDER TRUNK IN R VALVE " " " " " TRANSOM COMPT.

VALVES OF BRASS.

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

10" BRASS SIDE SCUTTLES C.I. HINGED PERMANENT DEADLIGHTS
TO CREW SPACE AFT.

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

FOREMOST SIDE SCUTTLE AFT IS 36" VERTICALLY BELOW U.D.K.

Guard Rails on freeboard and superstructure decks (state type and where fitted)

STEEL BULWARK AMIDSHIPS.

3 ROD RAILS AND STANCHIONS ELSEWHERE, EXCEPT AT
SPIRCKETTING PLATE WHICH EXTENDS TO FORE-END No. 1 HATCH.

Gangways and Lifelines

F.S.W.R. LIFELINES FITTED FORWARD AND AFT.

Gangway, Cargo and Coaling Ports in sides of ship

NONE.

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

Endorsement at first survey and at surveys for Renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition



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