

APR 15 1940

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

*Empire Success* (CONDITIONS OF ASSIGNMENT.)Ship's Name *IXIA* EX "HAGEN"Port of Survey *Hull*

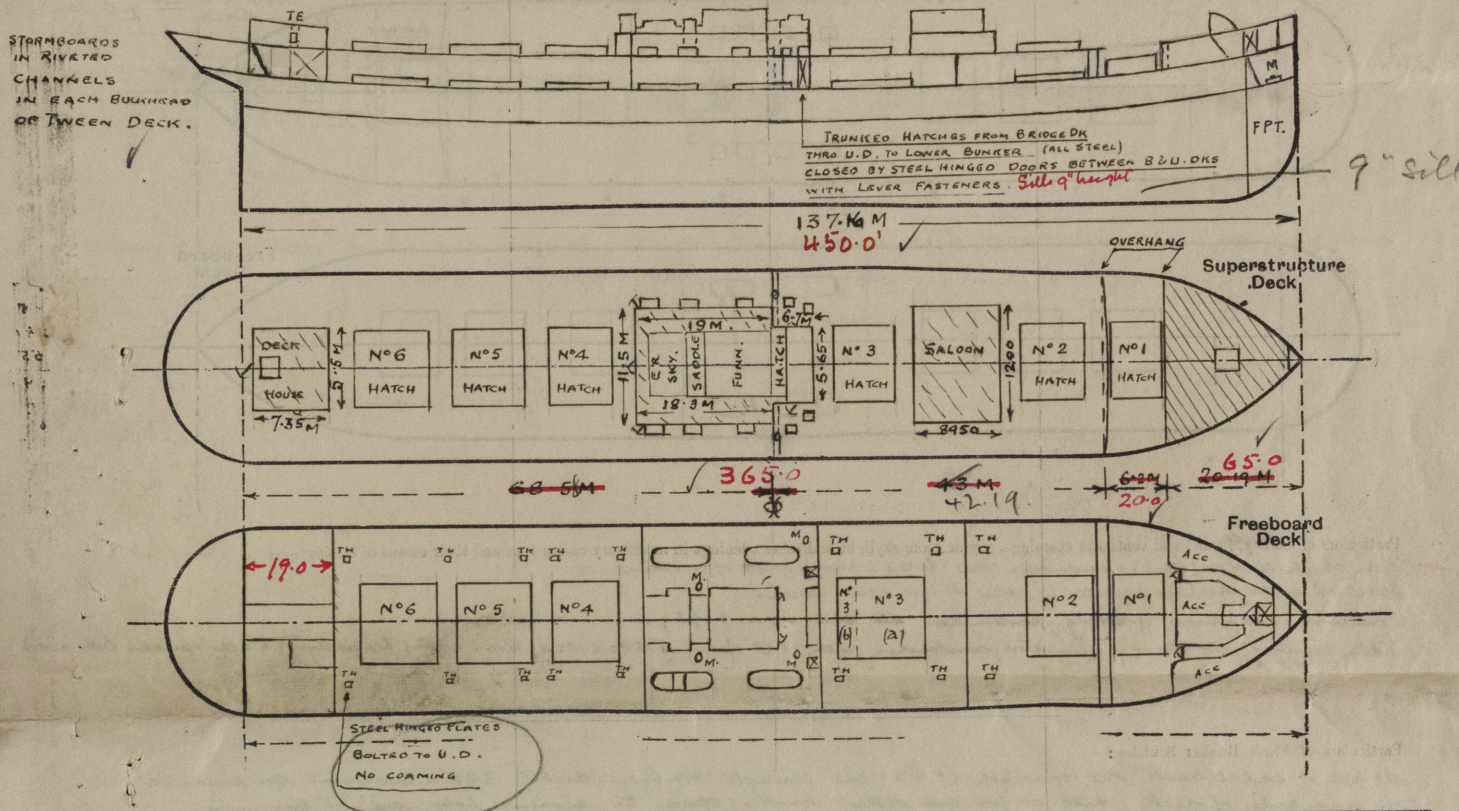
Official Number

Surveyor's Signature *W.S. Shields*

Nationality and Port of Registry

Date of Survey 1940. *Mar. 27, 28.**April 1, 3, 4, 5, 9, 10, 11, 12.*

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement :-



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... ..								
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ... ..								
Bridge, Forward Bulkhead ... ..	600 x 12	10	250, 70, 12 hull	745	Bracketed top and bottom	1P, 15 1220 x 1065	610	2440
Forecastle Bulkhead ... ..	255 x 12	10	Not obtainable			1P 15 1600 x 680	610	2625
Trunk, Aft ... ..	✓							
Trunk, Forward ... ..	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ... ..	310 x 12	8	85, 65, 9	780	nil	730 x 155	430	2230
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	270 x 10	8	85, 70, 9	680	nil	560 x 890	360	2400
Deckhouses on Flush Deck Ships ...	✓							

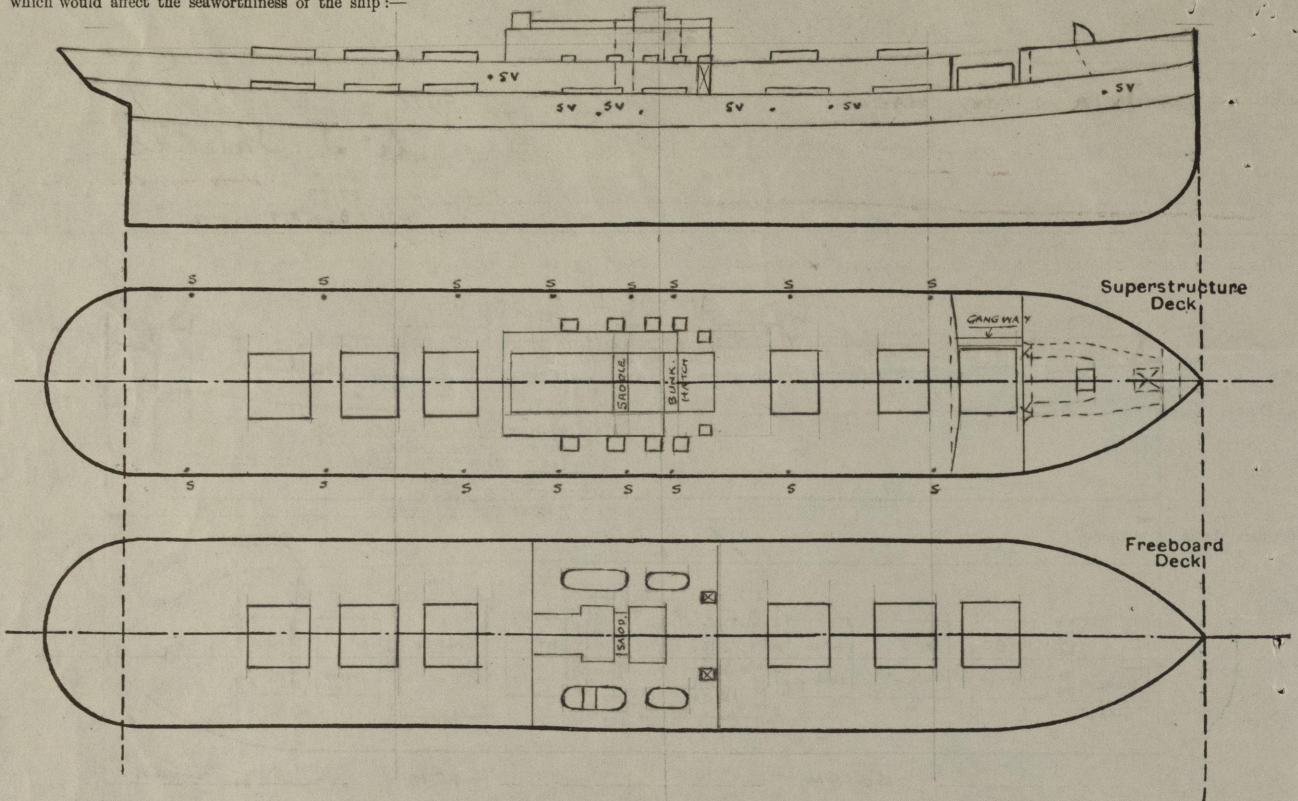
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ... ..	
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ... ..	
Bridge, Forward Bulkhead ... ..	Stormboards in riveted channels and 18 mm thk. plate (1320 x 1165) bolted through with plate washers. Please note plate bolted to stormboards.
Forecastle Bulkhead ... ..	Steel door (1 x 5) with 14R moulding at edges - lock with handle both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ... ..	Steel hinged doors with spring locks, operated from both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	Steel hinged doors, lever handles operated both sides.
Deckhouses on Flush Deck Ships ...	✓



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of hully, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

- E.R. skylight of substantial construction (steel) bolted to riveted angle of coaming. ✓
- Stokehold grating openings protected by steel hinges plate covers. ✓
- Ventilator coamings of strong construction with steel or wood plug covers canvas covers. ✓
- Hully coaming and casing of strong steel construction with 1P1S opening 1590 x 1220 closed by steel hinges doors & locks operated both sides. ✓

5'4 1/2 x 4'9 1/2"

Particulars of Flush Bunker Scuttles:—

At foot of saddleback one manhole (P & S) cut through freeboard deck 395 x 600 and compensated on underside of deck, also at fore end of this bunker space two similar holes cut for trimming (steel plate like mowing)

Particulars of Companionways:—

One companionway on Forecastle Deck, of strong steel construction, efficiently riveted to deck (all 430). ✓  
 One companionway, in steel deckhouse on poop, leading to bridge town deck; fitted with steel doors edged with H.R. moulding and fitted with spring lock operates both sides (all 490) ✓  
 Tunnel escape on starboard side of deck house on poop closed by steel hinges door (all 500) ✓ operated both sides

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Forecastle	350 mm dia (185)	coaming closed by steel cover (3P 3S)	accommodation
"	200 x 85 gorse with hinges steel like 500 mm high	(3P 3S).	"
"	540 dia, 435 hgt.	(1P 1S) No 1 hold	"
Sup. Bk	"	" (2P 2S) No 2 hold	"
"	"	3410 hgt (1P 1S) No 3 hold; adjoins saloon croing	specifically supported
"	"	" " gallery	"
Machinery Casing	565 dia, 6000 hgt	(1P 1S) Bunkers; used as derrick post	"
"	1000 dia, 4000 hgt	(1P 1S) B.R. (above casing top)	"
Sup. Bk	565 dia, 3000 hgt.	(1P 1S) No 4 hold; adjoins machy casing	- do -
"	550 dia, 450 hgt	(1P 1S) No 5 hold	"
"	"	(2P 2S) No 6 hold	"
"	"	(1P 1S) " ; used as derrick post	"
Poop Deck house	500 dia, 500 hgt	(1S)	"

Fitted with steel screw down covers or wood plugs + canvas covers. ✓

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Forecastle - fuel tank air pipe protected by bow plating 70 mm dia, 730 hgt ✓  
 Sup. deck - air pipes from D.B. tanks protected by bulwarks or casing plating of strong construction 760 mm high ✓

Fitted with wood plugs + canvas covers. ✓



© 2019

Lloyd's Register Foundation



none.

Particulars of Scuppers and Sanitary Discharge Pipes :—

3" scupper pipes led to ~~bilges~~ <sup>overboard with storm valves</sup> from upper deck in Bridge Tween Deck; ~~then are connected~~  
up ~~with fire fighting pipes to tween decks & lower hold bilges.~~ <sup>scupper fitted amidships</sup>  
~~designed to machinery bilges~~

6" Sanitary discharge from focal, sta side, v

4" " " " " port side,

$4\frac{1}{2}$ " " " midship deck house (p

3"      "      "      "      "      "      "

6" . . . engineers . . .

3 2 1 0 20 40 60

3½" . . . . . (5)

through cast steel storm valves 2'-6" below upper deck ✓

5) ✓ through cast steel storm valve 3'-0" below Bridge Deck

Particulars of Side Scuttles:— In forecath crew space 350 dia. sidelights of strong construction & fitted with deadlights.  
Poop stow ditto. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel

### Particulars of Guard Rails :—

Steel bulwarks, strongly constructed & stiffened, in way of midship ✓  
accommodation and fore well; midship bulwarks 107<sup>4 1/2</sup>" high.  
On remainder of superstructure decks open guard rails fitted 115" or high, 45 1/4"  
3 bar 21 mm, top bar 47; stanchions spaced 1200.

Particulars of Gangways, Lifelines, etc. :—

c.:- Port forward gangway in forewell above no. 1 hatch  
strongly constructed and efficiently supported ✓

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ... ..	✓	✓	✓	✓	✓	✓
Forward Well ... ..	20'-3" = 61'75" 61'75"	14'00" 4'-7"	8'00" x 4'70" 31 1/2" x 18 1/2"	3	61 sq. decm 12.1 sq. ft	80 sq. decm 8.5 sq. ft
<p>State position of each freeing port ... .. { After Well:— ✓</p> <p>(F. and A. position and height above deck edge) { Forward Well:— 9" 8'-2 1/2" 17'-0" ✓</p> <p>to height 310. 12 1/4" N°1 - 228, N°2 - 2600, N°3 - 5180 mm. from FOCSLE BHD.</p> <p>State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— 2 BARS ✓</p> <p>Additional area where sheer is less than standard.</p>						



### PARTICULARS OF PROTECTION TO OPENINGS, ETC.

[illegible]

Particulars of any special features :—

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

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.