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(For London Office only.)

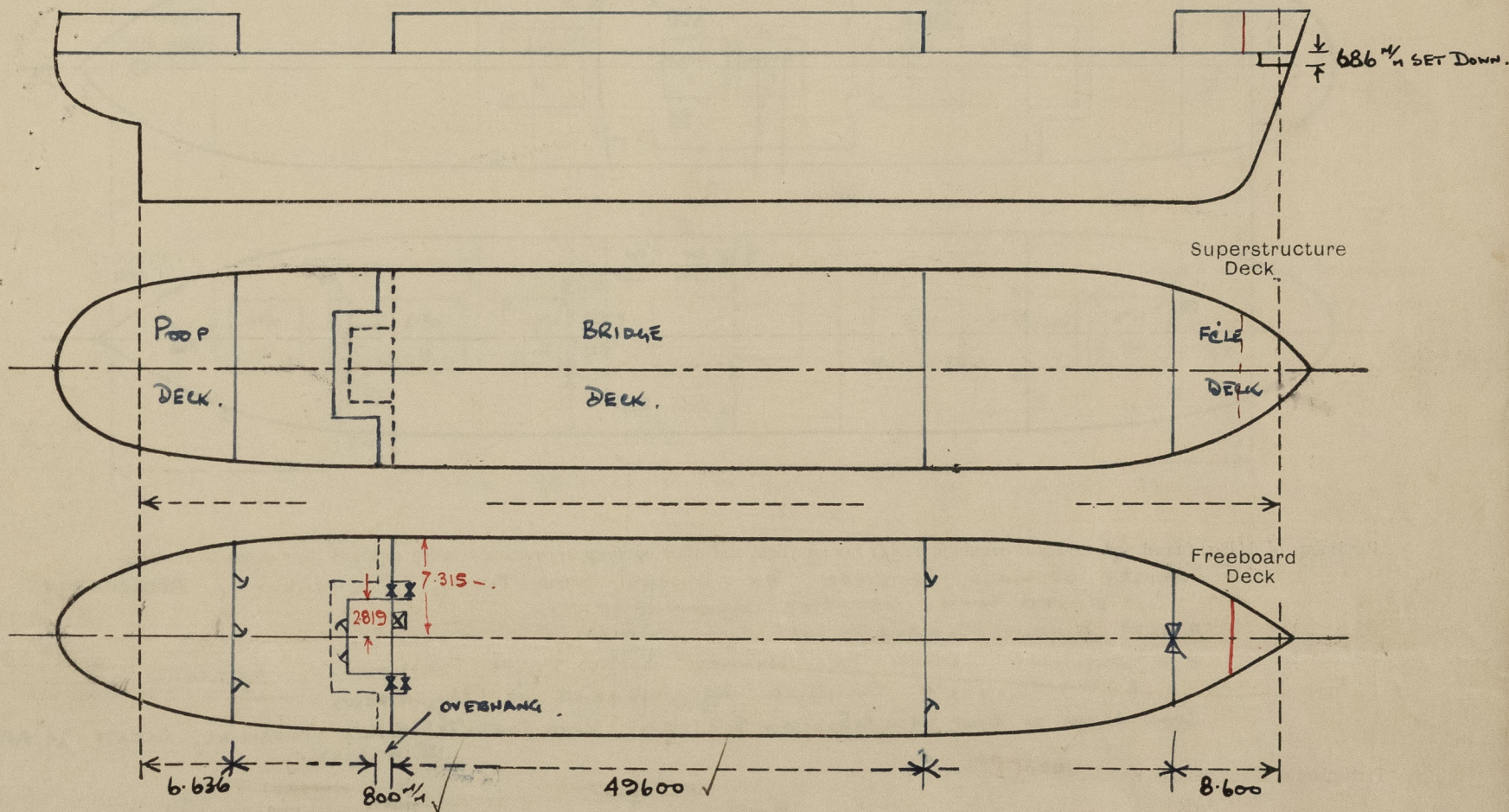
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name BUNYO HARU Port of Survey SHIMONOSEKI, JAPAN  
 Official Number 62884 Surveyor's Signature [Signature]  
 Nationality and Port of Registry JAPAN Date of Survey AUGUST 1950

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 m/m	Height of Sills m/m	Height of Casings
Poop Bulkhead ...	9 1/4"	2 1/4"	100 x 75 x 10 I	700	LUG, T & B.	3 @ 1616 x 716	380	2300 ✓
Raised Quarter Deck Bulkhead ...	—	—	—	—	—	—	—	—
Bridge, After Bulkhead ...	7 1/4"	7 1/4"	75 x 75 x 6 I	740	FREE	2 @ 1600 x 910	380	2450 ✓
Bridge, Forward Bulkhead ...	12 1/4"	10 1/4"	90 x 200 x 8 J	750	LUG, T & B	2 @ 1616 x 716	440	2450 ✓
Forecastle Bulkhead ...	7 1/4"	7 1/4"	100 x 75 x 10 I	700	FREE	1 @ 1600 x 910	400	2300 ✓
Trunk, Aft ...	—	—	—	—	—	—	—	—
Trunk, Forward ...	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Superstructure Decks ...	—	—	—	—	—	—	—	—
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	9 1/4"	9 1/4"	90 x 9 F.B.	800	CONT.	—	9"	2450
Deckhouses on Flush Deck Ships ...	—	—	—	—	—	—	—	—

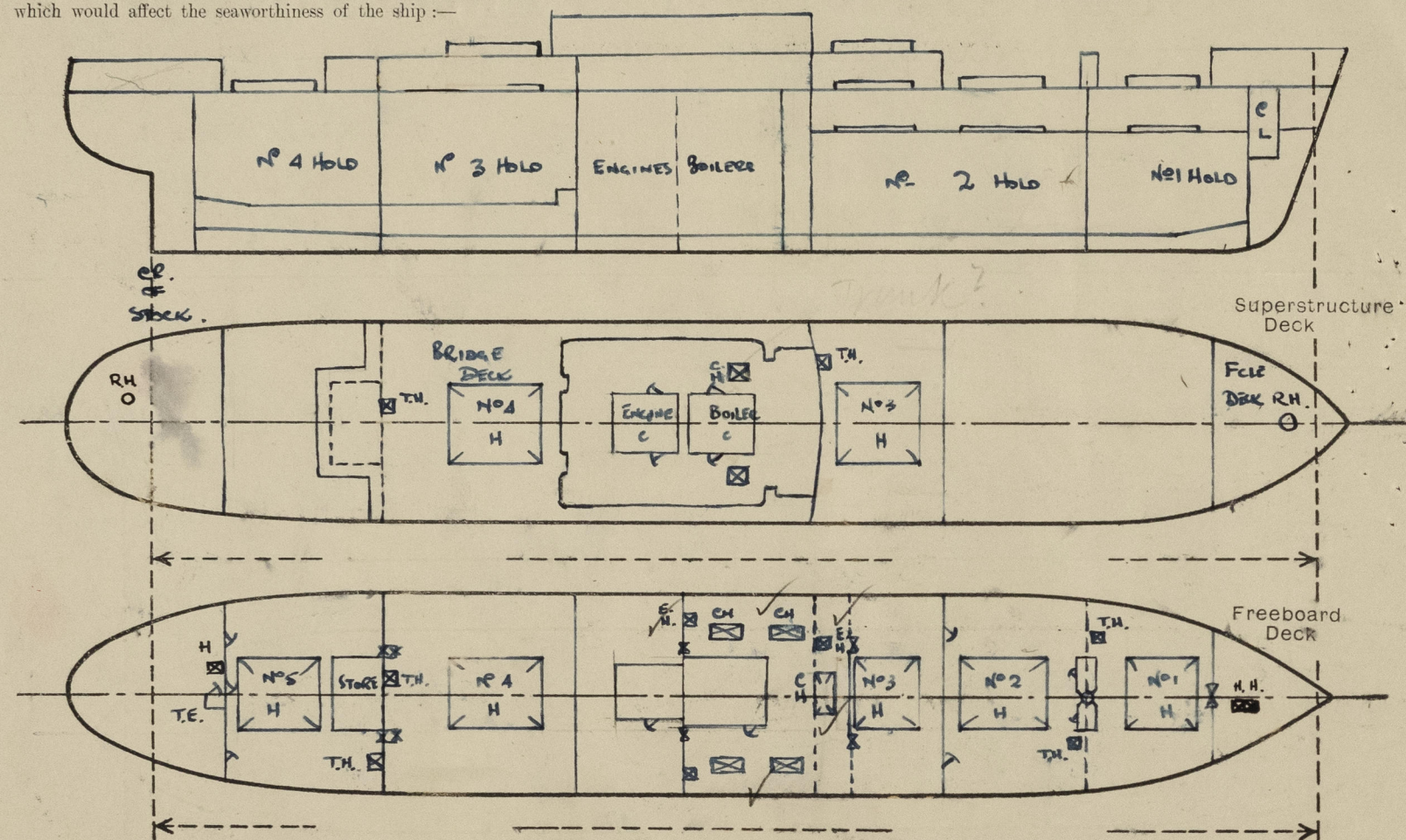
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	HINGED STEEL W/T DOORS MANIPULATING FROM BOTH SIDES ✓
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead ...	WOOD BOARDS IN CHANNEL CONSISTING OF ANGLE BARS WELDED TO BULKHEADS (65 1/2") ✓
Bridge, Forward Bulkhead ...	HINGED STEEL W/T DOORS MANIPULATING FROM BOTH SIDES ✓
Forecastle Bulkhead ...	WOOD BOARDS IN CHANNEL CONSISTING OF ANGLE BARS WELDED TO BULKHEADS (65 1/2") ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	—
Exposed Machinery Casings on Superstructure Decks ...	—
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	HINGED STEEL DOOR MANIPULATING FROM 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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

FIDDLY OPENINGS PROTECTED BY HINGED STEEL FLAPS PERMANENTLY ATTACHED  
& FITTED WITH SECURING ARRANGEMENTS  
FUNNEL & VENT COARINGS OF SUBSTANTIAL CONSTRUCTION.  
E.G. SKYLIGHT CLOSED BY HINGED STEEL FLAPS PERMANENTLY ATTACHED  
& FITTED WITH SECURING ARRANGEMENTS & GLASS EYES.  
COAL HATCH ON BOAT DECK PYS. 5'-10" x 5'-2" (F.S.A.) WOOD COVERS 2 1/2" F&A 2 TARPULING. CLEATS 24" APART MAX.  
18" COARINGS

Particulars of Flush Bunker Scuttles:—

Nowe.

Particulars of Companionways :—

NONE

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

VENTILATORS ON	FORECASTLE DECKS.	COMING	HEIGHT: -	ABOVE	36"	ALL OF
	BRIDGE DECK.	"	"	"	"	SUBSTANTIAL
	POOP DECK.	"	"	"	"	CONSTRUCTION
	UPPER DECK.	"	"	"	"	AND UNSTAYED

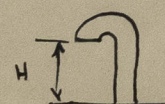
CLOSING APPLIANCES:- WOOD PLUGS & CANVAS-COVERS. ✓

ALL VENTS E.W. TO DECK, SUBSTANTIALLY CONSTRUCTED,  
& STAYED WHERE NECESSARY ✓

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

POSITIONS ON DECKBOARD, RAISED QUARTER, OR SUPERSTRUCTURE DECKS:		HEIGHT	TO	OPENING:-	18" ✓	MIN. ✓
AIR PIPES ON	FORECASTLE DECK	-	-	-	-	-
	BRIDGE DECK	-	-	-	-	-
	POOP DECK	-	-	-	-	-
	UPPER DECK	-	-	-	36" ✓	MIN. ✓

CLOSING APPLIANCES: - HINGED STEEL FLAPS ✓  
SECURED BY BUTTERFLY  
NUTS, PERMANENTLY ATTACHED.



Particulars of Gangway Cargo and Coaling Ports :—

None.

Particulars of Scuppers and Sanitary Discharge Pipes :—

and Sanitary Discharge Pipes :—

BRIDGE SPACE SCUPPERS LED TO BILGES & FITTED WITH <sup>VALVE</sup> CONTROL ROPE TO BRIDGE DECK.  
OPEN / SHUT INDICATORS FITTED.

ALL SANITARY DISCHARGES THROUGH SHELL BELOW FREEBOARD DECK FITTED WITH  
N.R. VALVES. (X HOUSE.) ALL SCUPPERS 60% VALVES OF BRONZE.

SCUPPER FROM STEERING ENGINE SPACE IN POOP LED THROUGH SHELL. UPPER  
END FITTED WITH SCREW PLUG PERMANENTLY ATTACHED. (UPPER DECK) ✓  
STEERING GEAR SPACE SMALLER ISOLATED.

Particulars of Side Scuttles :—

FORECASTLE: - 3 HINGED SIDELIGHTS FITTED WITH HINGED DEADLIGHTS PERMANENTLY ATTACHED

BRIDGE:-

P.O.P:-

ALL DEADLIGHTS OF M.C.I. & LIGHTS 250  $\frac{1}{4}$  IN DIAM.

Vertical distance of Sill of lowest Side Scuttle above top of keel..... ABOUT ..... 2.875 m

Particulars of Guard Rails :—

FORECASTLE:- OPEN RAILS

DECK:- BRIDGE:- BULWARK 6 1/4 PLATING 100 x 75 x 10 L TOP BAR BRACKET STAYS 1600" APART.

POOF:- OPEN RAILS

UPPER:- BULWARK 7 1/4 PLATING. 230 x 30 x 11 BA TOP BAR. BRACKET STAYS 1600" APART

Particulars of Gangways, Lifelines, etc. :—

IN F & A WELLS  
OF F.S.W. ROPE.

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 ... ..	<sup>1</sup> 14.40	<sup>2</sup> 1.100	<sup>1</sup> 1.200 x 2.30	4	<sup>1</sup> 1.07 ✓	<sup>1</sup> 1.06 4
Forward Well ... ..	27.00	1.100	1.200 x 2.30 1.300 x 2.30	2 4	1.67 ✓	1.65 4

State position of each freeing port ... ..	After Well :-	F & A POSITION :-	10.0 To 17.5	FROM	AP.	HEIGHT.	270 <sup>o</sup>
(F. and A. position and height above deck edge)	Forward Well :-		15.5 To 32.0	-	FP.	-	-

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :—

NONE

Additional area where sheer is less than standard.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
			UPPER DECK.				BRIDGE DECK.		COAL HATCHES IN BRIDGE		
Description of Hatchway	...	...	Nº 1 H.	2	3	4	5	3	4	FRS. 77/79 C.L.	71/74 FRS. 64/67 FRS.
Dimensions of Hatchway	...	...	7,700 x 5,500	8,800 x 6,000	4,600 x 6,000	3,600 x 6,000	8,800 x 5,500	4,600 x 6,000	9,600 x 6,000	1,600 x 3,000	2,100 x 1,000 2,100 x 1,000
COAMINGS	Height above Deck	...	900		230 x 90 x 11 BA.		900	750	750	230 x 95 x 11 BA.	"
	Thickness	Sides	12 1/2" / 12 1/2"	DO.		DO.	12 1/2" / 12 1/2"	12 1/2" / 12 1/2"	12 1/2" / 12 1/2"		
	Stiffeners	Ends	230 x 90 x 11 BA.				230 x 90 x 11 BA.	230 x 90 x 11 BA.	230 x 90 x 11 BA.		
	Brackets, Stays	...	PLATE 2 BA, 3 OFF				PLATE 2 BA, 3 OFF	2 OFF	2 OFF		
		...									
HATCH BEAMS	Number	...	4	5	3	6	5	4	6		
	Spacing	...	1,540	1,470	1,150	1,375	1,467	1,150	1,375		
	Scantling and Sketch	...									
	TOP PLATE	...	200 x 16	200 x 16	200 x 16	SAME AS	200 x 16	SAME AS	SAME AS		
	WEB.	...	410 x 9	445 x 9	320 x 9	NO 3	400 x 9	SAME AS	SAME AS		
FORE AND AFTERS	BOTTOM PLATE	...	200 x 16	200 x 16	200 x 16	"	200 x 16	UPPER DECK	NO 3		
	Bearing Surface	...	SLIDES.	"	"	"	"	"	"		
	Number	...									
	Spacing	...									
	Unsupported Lengths	...									
HATCH COVERS	Scantling* and Sketch	...									
	Bearing Surface	...									
	Material	...	LAMINATED SUGI 2 1/2" THICK								
	Thickness	...	THROUGHOUT								
	How fitted	...	F&A	F&A	F&A	F&A	F&A	F&A	F&A	ATTACHED	"
Spacing of Cleats	Bearing Surface	...	2 1/2"								
	Number of Tarpaulins	...	MAX. 24								
		...	3		2	2	3	3	3	2	2
		...									
		...									
*Are wood fore and afters steel shod at all bearing surfaces? Are battens and wedges efficient and in good condition? Are tarpaulins in good condition and in accordance with rule requirements? Are lashings provided in accordance with rule requirements?											
YES YES YES YES											

Particulars of any special features:—

TRIMMING HATCHES ON UPPER DECK!—  
OR ESCAPE HATCHES OR SMALL HATCHES  
(AS SHOWN ON SKETCH)

24" x 24", COAMING: 25" HIGH. W/T HINGED STEEL COVER PERMANENTLY ATTACHED AND SECURED BY TOGGLES. RUBBER JOINTED. (IN BRIDGE & FLEET POOP—SIMILAR 9" COAMING)

TRIMMING HATCHES ON BRIDGE DECK!—  
(AS SHOWN ON SKETCH)

24" x 24" COAMING: 18" HIGH W/T HINGED STEEL COVER PERMANENTLY ATTACHED AND SECURED BY TOGGLES. RUBBER JOINTED.

FORECASTLE ROPE STORE HATCH. 20" DIAMETER. COAMING 24" HIGH. FITTED WITH HINGED STEEL W/T COVER. 1/40" THICK, PERMANENTLY ATTACHED & SECURED BY TOGGLES. RUBBER JOINTED.

THE FOLLOWING PROVISIONAL FREEBOARDS, BASED ON THE EXISTING J.C. ASSIGNMENT, WERE INCLUDED ON PROVISIONAL FREEBOARD CERT, COPY OF WHICH IS ATTACHED. THE FREEBOARDS WERE MARKED, VERIFIED, CUT IN, & PAINTED. J.C. WAS REMOVED FROM THE MARKS & L.R. SUBSTITUTED.

DECK LINE 0" / 4" ABOVE TOP OF STEEL DECK AT SIDE.  
 SUMMER FREEBOARD:— 126 5/8" BELOW DECK LINE  
 TROPICAL:— 140 1/4" ABOVE CENTRE OF DISC  
 WINTER:— 140 1/4" BELOW " " "  
 FRESH WATER ALLOWANCE:— 154 1/4" ABOVE S. & T.



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