

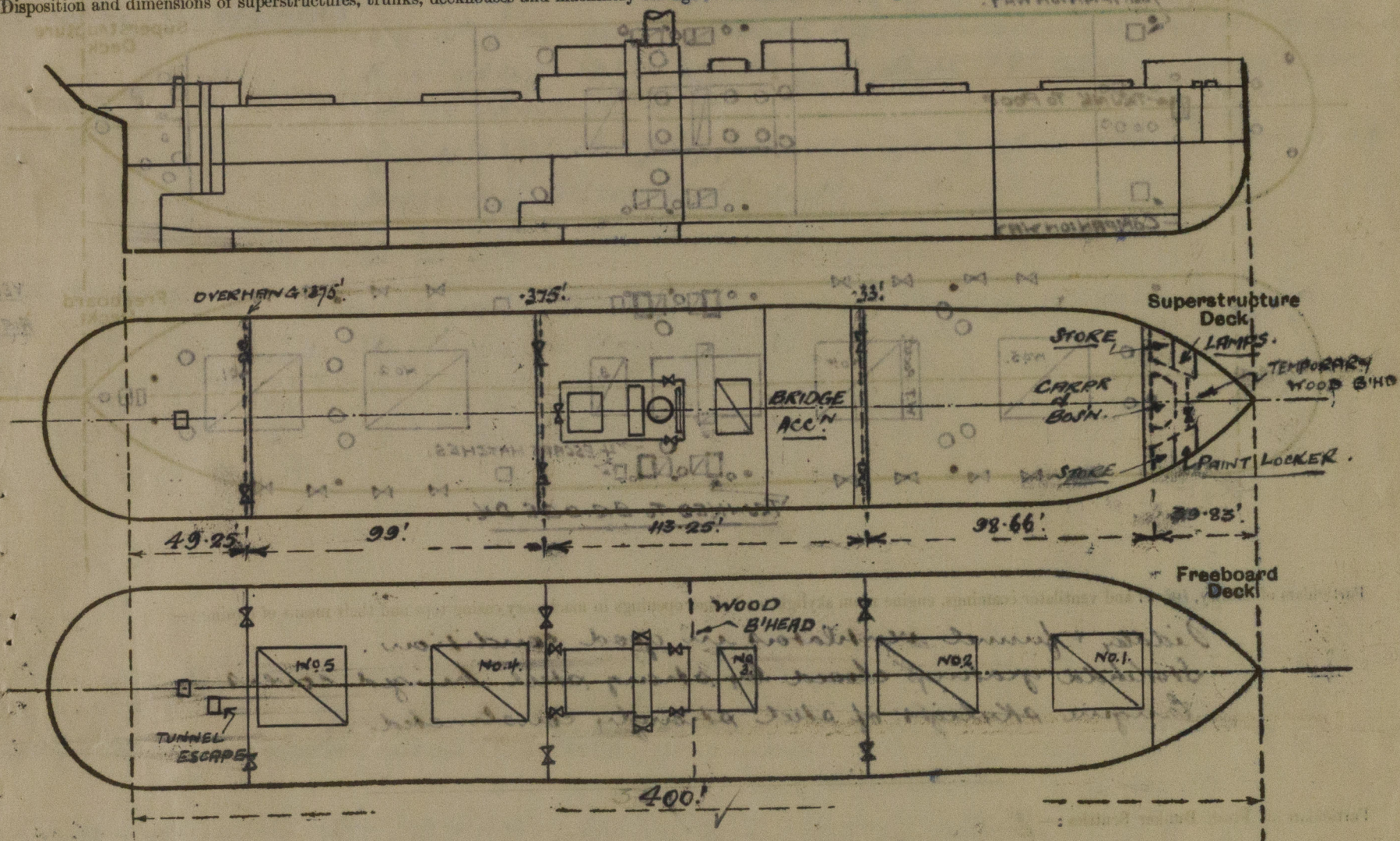
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name *"Empire Volunteer" in Proda* Port of Survey *Cardiff.*  
 Official Number *150 349.* Surveyor's Signature *Frank B. Richardson.*  
 Nationality and Port of Registry *British London.* Dates of Survey *19.20 June 15.16 July 1940.*

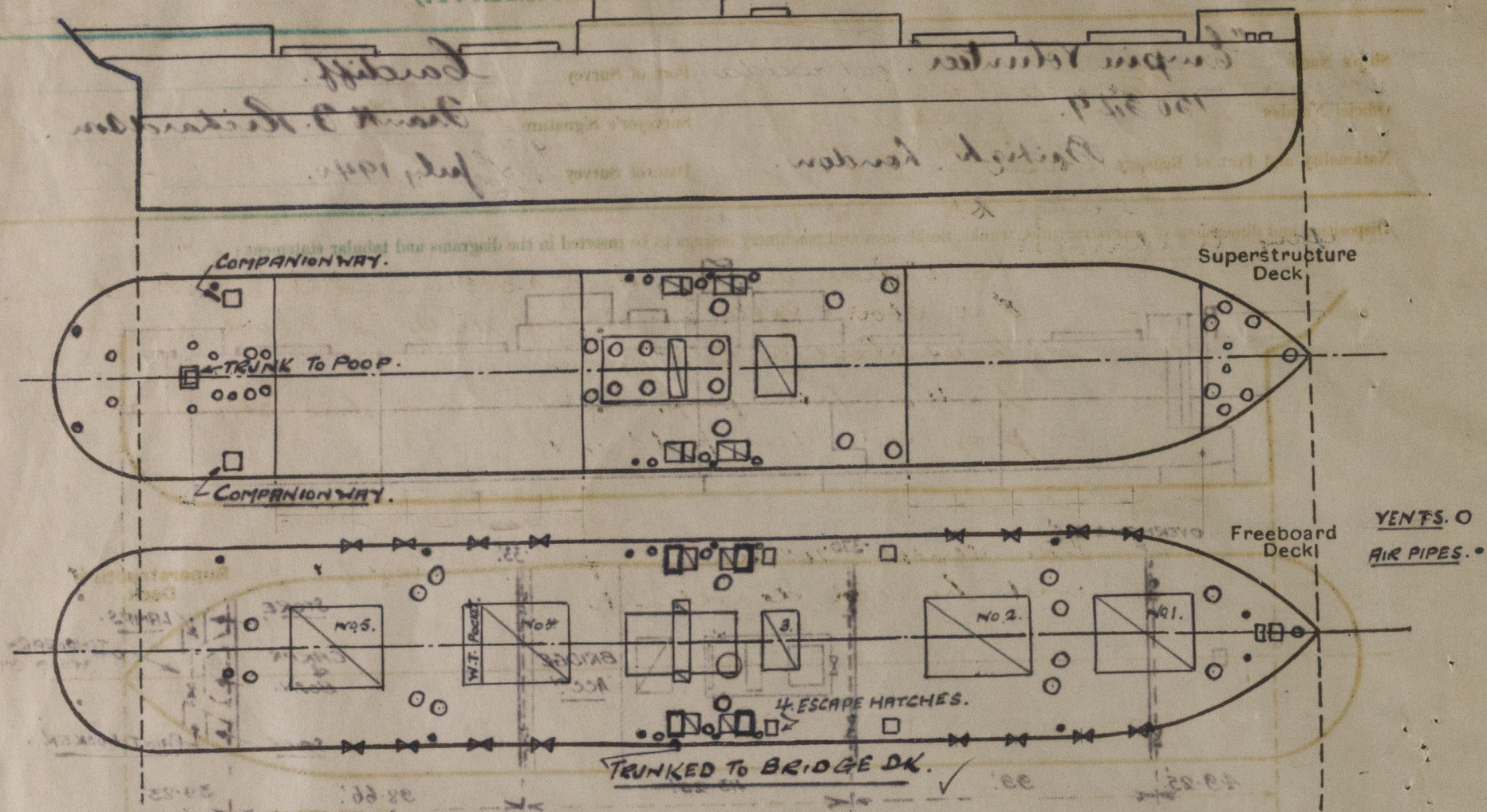
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:



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	46"	46"	6x3 1/2 x 42	33"	None	(2) 24" x 5'-0"	18 1/2"	8 feet
Raised Quarter Deck Bulkhead	36"	36"	4x3 x 40	27" & 30"	None	(2) 24" x 5'-0"	18"	8 feet
Bridge, After Bulkhead	40"	40"	9x3 1/2 x 50	27" & 33"	Bracket T+B	(2) 24" x 5'-0"	20"	8 feet
Bridge, Forward Bulkhead	6 pin							8 feet
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks						(1) 30" x 5'-0"	18"	7'-6"
Exposed Machinery Casings on Superstructure Decks	45"	30"	3x3 x 50	22 1/2" & 29"	Bracket Top	(2) 24" x 5'-0"	18"	7'-6"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	42"	30"	3x3 x 46	27"	None	(2) 24" x 5'-3"	18"	8 feet
						(2) 24" x 5'-0"	18"	8 feet
						(2) 44" x 6'-10"	16"	8 feet
Deckhouses on Flush Deck Ships								
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead	Two steel hinged doors, framed. Operated one side only. Fitted 4 hinged bolts spaced 24". Doors stiffened 3x3" angles.							
Raised Quarter Deck Bulkhead	Sherrings provided with portable steel plates secured by hook bolts.							
Bridge, After Bulkhead	Two steel hinged doors, operated one side only.							
Bridge, Forward Bulkhead	Two steel hinged doors, framed. Operated one side only. Fitted 7 hinged bolts spaced 25". Doors stiffened 5x3" angles.							
Forecastle Bulkhead	Open.							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	One steel hinged door to C. Room. Two steel hinged doors in fiddley, all operated both sides.							
Exposed Machinery Casings on Superstructure Decks	Two steel hinged doors in fiddley, operated one side only. Two steel hinged doors in lower bunker saddle operated both sides. Two steel hinged doors in C.R. operated both sides.							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
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 fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :—

Biddle & funnel ventilators in good condition.  
 Stockhold gratings closed by strong steel binged covers. ✓  
 Engine skylight of steel strongly constructed. ✓

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways:— Gun poop. One port side w crew space, strongly constructed of steel.  
Steel hinged door (in hatch) opened both sides, opening 27' x 4' 9", sill (9")  
Stand side. 15 1/2' hinged hatch door at after end of gun pedestal, w crew space,  
opened both sides. Opening 24' 2" x 4' 0". Sill 21" ✓

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

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

Particulars of Ventilators in exposed positions on freeboard and superstructure decks.—	Particulars of Ventilators in exposed positions on freeboard and superstructure decks.—
<u>Focals Deck.</u> 1 @ 9"x13 <sup>1</sup> / <sub>2</sub> "x.30 to peak. 4 @ 6"x14" goose necks to focals. 2 @ 18"x36"x.40 to No 1 Hold. 2 @ 6"x18"x.35 to focals. 2 @ 18"x36"x.40 to No 1 Hold. 2 @ 18"x36"x.40 to No 2 Hold.	<u>Poop Deck.</u> 2 @ 18"x34"x.30 to No 2 Hold. 2 @ 12"x36"x.30 to poop. 2 @ 9"x36"x.30 to after peak. 2 @ 9"x39"x.30 to steering flat. 1 @ 9"x37"x.30 to Tunnel escape. 2 @ 6"x15" goose necks to poop. 2 @ 8"x9"x.40 mushrooms to No C's.
<u>Fore well.</u> 2 @ 18"x36"x.40 to No 1 Hold. 2 @ 18"x36"x.40 to No 2 Hold.	
<u>Bridge Deck.</u> 2 @ 12"x36"x.30 to Bridge space. 2 @ 18"x8'0"x.30 to No 3 hold. <i>Enclosed to fore and aft</i> 2 Hanson post vents. @ 23"x.40 to stokehold. 2 @ 18"x36"x.25 to No 4 hold. 2 @ 12"x39"x.25 to Bridge space. 4 @ 6"x14" goose necks to Bridge space. 3 @ 8" mushroom screens to accommodation.	<u>Nests Supplied with</u> wood plugs and canvas covers.
<u>After well.</u> 2 @ 18"x36"x.40 to No 4 hold. 2 @ do. to No 5 Hold.	

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

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

<u>Under open forec.</u>	1 $\varnothing$ 3" $\times$ 12"	Goodnick to fore peak
<u>Fore well</u>	1 $\varnothing$ 3" $\times$ 27"	Goodnick to 2 <sup>nd</sup> tank
	1 $\varnothing$ 3" $\times$ 30"	" " "
<u>Bridge deck</u>	4 $\varnothing$ 3" $\times$ 32"	" " "
<u>Open well</u>	1 $\varnothing$ 3 1/2" $\times$ 25"	" " "
	1 $\varnothing$ 3 1/2" $\times$ 28"	" " "
<u>Poop deck</u>	1 $\varnothing$ 3 1/2" $\times$ 19 1/2"	Open peak

Wood plugs provided ✓

Particulars of Gangway Cargo and Coaling Ports:—

Empire Volunteer

Particulars of Scuppers and Sanitary Discharge Pipes:-

Scuppers:- Fore well  $2 \frac{1}{2} \times 1 \frac{1}{2}$  " } each side in general ✓  
 Aft. well  $2 \frac{1}{2} \times 1 \frac{1}{2}$  " }  
 After Well  $2 \frac{1}{2} \times 1 \frac{1}{2}$  " }  
 Bridge Deck  $2 \frac{1}{2} \times 1 \frac{1}{2}$  " in general ✓

Sanitary discharges:-  
 1.  $2 \frac{1}{2}$  " from Bridge deck accommodation discharging  
 thro' storm valve at Bridge side 18" above freeboard deck  
 2. as above at 2 "  
 3.  $2 \frac{1}{2}$  " from poop, discharging thro' storm valve  
 poop side above freeboard deck. ✓

Particulars of Side Scuttles:-  
 Side scuttles 10" dia. in poop, Bridge, & fore. fitted  
 with hinged deadlights

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

Particulars of Guard Rails :—

Deck. 2 rails in stanchions 3'-3" high 4'-6" apart.

Bridge. Bulwark plating 3'-2" full length in casing.

Post. 3 rails in stanchions 3'-5" high 4'-3" apart.

Particulars of Gangways, Lifelines, etc. :—

provision for rigging lifelines in fore catter wells.

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	99'	3' 7"	48" x 15"	4	200' ✓	19.80'
Forward Well	98.66'	3' 7"	48" x 15"	4	200' ✓	19.80'

State position of each freeing port ... { After Well :— 14' 24' 24' 24' 6" 12' 6" Port end  
 (F. and A. position and height above deck edge) Forward Well :— 13' 24' 24' 28' 8" 14' Port end

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— Each port fitted 2 horizontal bars

Additional area where sheer is less than standard.

W389-0151(212)

# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway		ON FREEBOARD					Gun Deck		Inside Basing		Outside Basing	
Dimensions of Hatchway		No. 1	No. 2	No. 4	No. 5	No. 3	No. 3	No. 3	No. 3	No. 3	No. 3	
COAMINGS	Height above Deck	30"	30"	30"	30"	10" B.A.	30"	18"	10" B.A.	10" B.A.	24"	
	Thickness	4 1/2"	4 1/2"	4 1/2"	4 1/2"	50	40	40	50	50	40	
	Stiffeners	8 x 3 B.A. Horizontal	8 x 3 B.A. Horizontal	8 x 3 B.A. Horizontal	8 x 3 B.A. Horizontal	None	8 x 3 B.A.	None	None	None	None	
	Brackets, Stays	(6)	12 x 3 x 1/2 channels	(6)	(4)	None	None	None	None	None	None	
HATCH BEAMS	Number	(6)	(6)	(5)	(5)	3	3	3	3	3	3	
	Spacing	4' 8"	5' 0"	4' 11"	5' 1 1/2"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	
	Scantling and Sketch	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	
	Bearing Surface	3"	3 1/4"	3 1/4"	3 1/4"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	
FORE AND AFTERS	Number					4	4	4	4	4	4	
	Spacing					4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	4' 6"	
	Unsupported Lengths					10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	10' 3"	
	Scantling and Sketch					12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	12" x 4" x 1/2"	
HATCH COVERS	Material	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
	How fitted	F&A	F&A	F&A	F&A	Adh. w. n. t.	Adh. w. n. t.	Adh. w. n. t.	Adh. w. n. t.	Adh. w. n. t.	Adh. w. n. t.	
	Bearing Surface	2 1/2 x 4"	2 1/2 x 4"	2 1/2 x 4"	2 1/2 x 4"	3"	3 1/4"	3 1/4"	3"	3 1/4"	3 1/4"	
Spacing of Cleats		23"	23"	24"	24"	24"	22"	17"	20"	21" - 31"	15 1/2"	
Number of Tarpaulins		3	3	3	3	1	2	2	1	3	3	
<p>*Are wood fore and afters steel shod at all bearing surfaces? <i>yes.</i></p> <p>Are battens and wedges efficient and in good condition? <i>yes.</i></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <i>yes.</i></p> <p>Are lashings provided in accordance with rule requirements? <i>yes.</i></p>												

## Small Hatchways, etc.:-

Particulars of any special features:-

4 trimming hatches in Bridge trunked to Bridge deck.

2 hatches inside saddle casing to lower tween deck bunkers 3'3" x 4'5".

4 escape hatches inside Bridge 30" x 23" 10" B.A. coamings, cleats spaced 13", wood covers & battening arrangements provided.

Hatch to chanicleer inside open foise. 24" x 19 1/2", 24" coaming, cleats spaced 12", wood cover & battening arrangements provided.

Poop Deck. Hatchway 29" x 29" to lower peak trunk, enclosed by gun pedestal; hatchway coaming 1 1/2", cleats spaced 17". Wood cover.

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.

*Frank B. Richardson*

The following repairs were effected:-

6 steel fore coppers, about 90 wood covers and 70 cleats renewed.

5 tarpaulins renewed, and other minor repairs.

*W.R.*

