

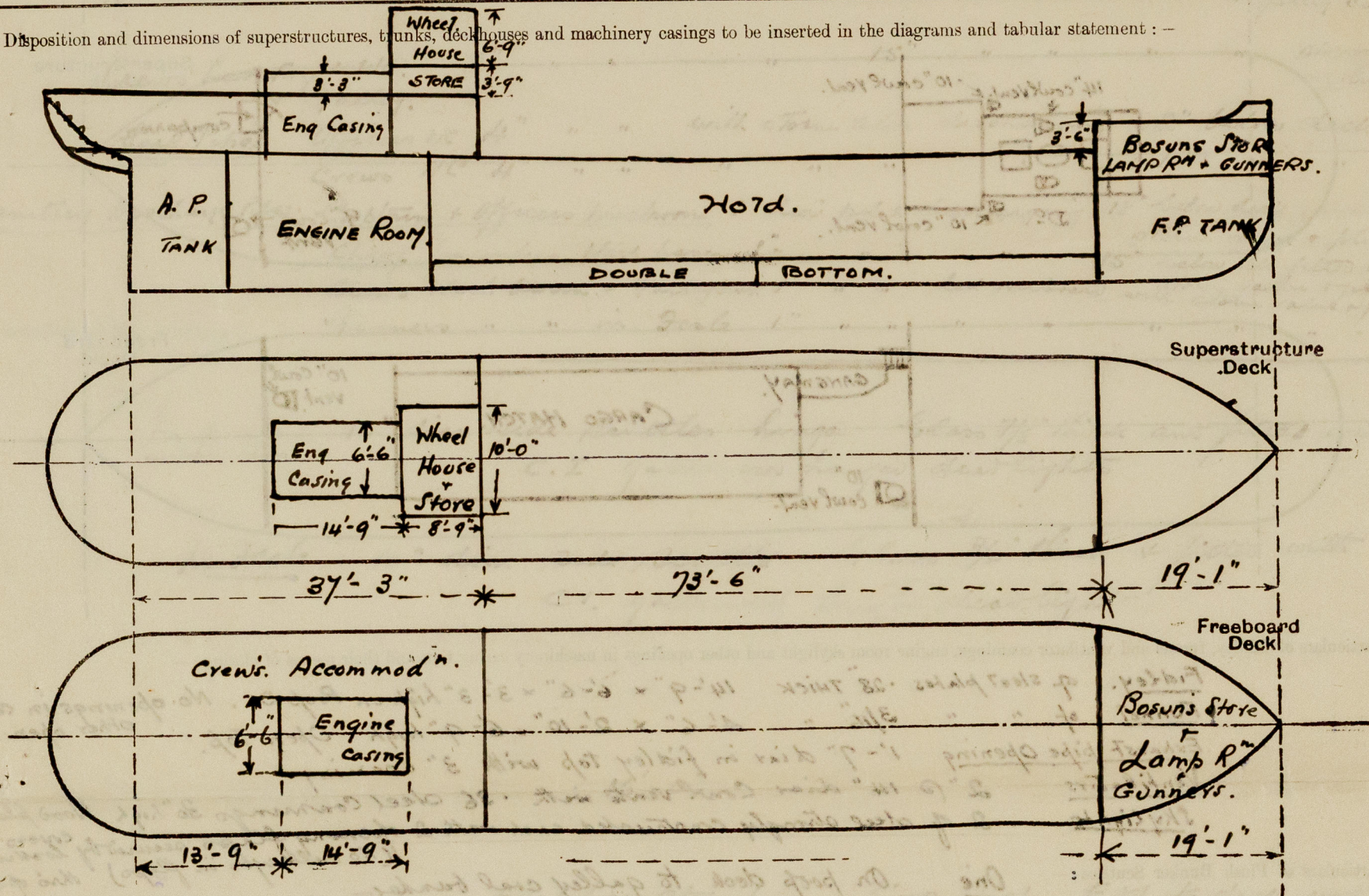
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"EMPIRE CRAG"** Port of Survey **London.**
Official Number **168183** Surveyor's Signature **A Chisholm**
Nationality and Port of Registry **British. London.** Date of Survey **while building**

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

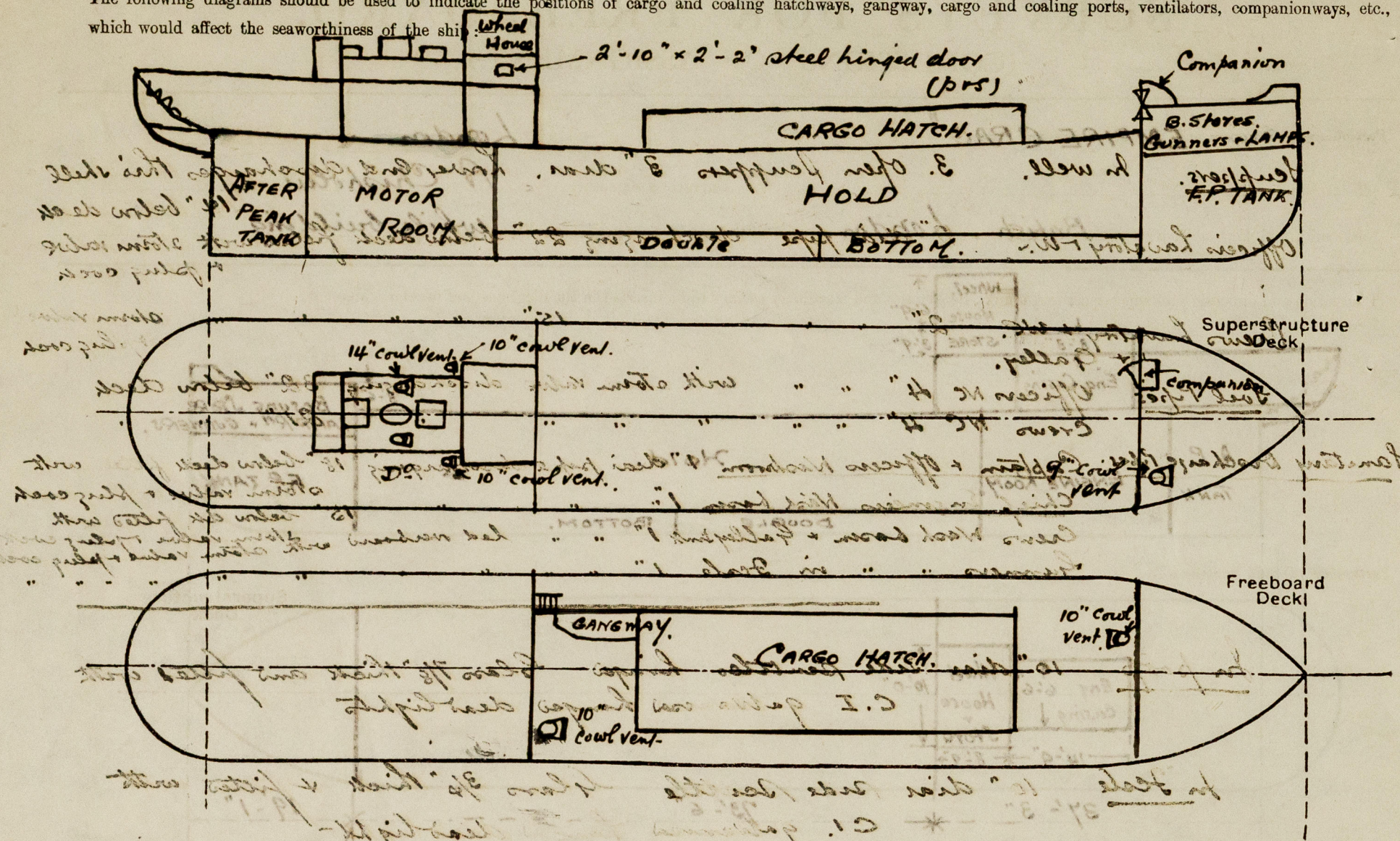


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	30	30	5" x 3" x 3/8" OA with 3 x 2 1/2" x 3/8" rev angles on each stiffener	30"	12" x 12" x 3/8" BKS	—	—	—
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	—	20	2 1/2" x 2 1/2" x 30 angles	30"		4'-2" x 2'-2"	20"	—
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks	28	28	2 1/2" x 2 1/2" x 5/16 angles	21"	12" x 12" x 28 BKS			3'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead	No Openings
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead	
Bridge, Forward Bulkhead	
Forecastle Bulkhead	Steel hinged door capable of being manipulated from both sides
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	
Deckhouses on Flush Deck Ships ...	

Empire Crag

Particulars of Gangway Cargo and Coaling Ports:— *none*

Fidley. of steel plates .28" thick 14'-9" x 6'-6" x 3'-3" high on Poop Deck. No openings in coamings.
Funnel of " " 3/16" 4'-6" x 2'-10" x 6'-9" high Open Top. other openings as
Exhaust pipe Opening 1'-7" diam in fidley top with 3" coaming
Ventilators 2 "P 14" diam Cont. vents with .36 steel coamings 30" high Wood plugs removable
Skylights 2 of steel strongly constructed each with 2 opening flaps secured by locking pins
 (No bulkheads in flaps) covers for closing
 Bunker Scuttles: — One On poop deck to galley coal bunker
 11" DIAM of C. I. with bayonet joint. Chain fitted to underside

On poop deck to galley coal bunker
11" DWR of C. 1. with bayonet joint - Chain fitted to underside

To Prep accommodation Steel Compartment 6'-6" x 2'-9" x 6'-3" high with opening
Opening closed by hinged double steel doors. (Height of sill 18") 4'-9" x 2'-11"
To Fister Strongly constructed of steel with opening 4'-6" x 2'-2"
Height of sill 20" closed by hinged steel door.
The doors on both cases capable of being closed and secured from both
sides

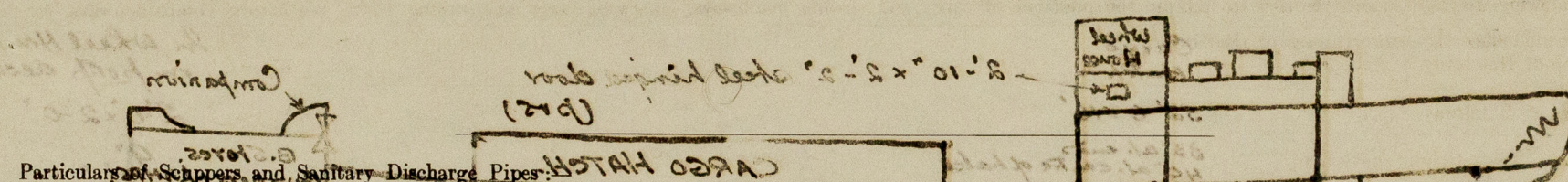
Deck	No.	Length	Material	Notes
Irrecastle Deck	1.	9'	dear Crowl Vent. w/lt	.32 alt. cream? 36" high
Upper Deck	2.	10'	" " Vents "	.32 " " 36' "
Post Deck	2.	10"	" " " "	.32 " ✓ 32' "

Also. 6" diameter mushroom Kent to cabin accommodation
in poop space. Coaming 30 H. 32" high Under lifeboat.

Wood plugs and Canvas covers supplied for closing these vents. ✓ 12"
in exposed positions on freeboard, raised quarter, or superstructure decks — Coaming

<u>Forecastle Deck</u>	1.	3" diam	an pipe to F.P. tank	18" above deck
<u>Upper Deck</u>	2.	3" "	" " to fr. D.B. tank	36" " "
" "	2.	3" "	" " aft. " "	30" " "
<u>Peep</u>	1.	3" "	" " to aft. tank	25" above deck

Wood plugs + Canvas covers provided for closing all
air pipes

[illegible]

In poop 10" diam side scuttles hinges Glass $\frac{1}{8}$ " thick and fitted with
C.I galvanized hinges deadlights ✓

On Roof. Flat bar dimensions 3'-0" high E.W. to deck with 3
welded thru .125" bar "11" 3/4" diameter rod

Keel gangway 2'-0" wide x 2'-8" above deck leading
from prop ladder (port side) to aft. end of cargo hold
Life lines 1 1/2" Circ wire between prop. & side BH^{rs}
filled with ~~stretching~~ ^{steel} ~~screws~~ ^{staples} & 4 Tube hand grips

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						
State position of each freeing port (F. and A. position and height above deck edge)						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such.						
Additional area where sheer is less than standard.						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		Cargo Hatch							
Dimensions of Hatchway		52'-6" x 16'							
COAMINGS	Height above Deck	33" at ends							
	Thickness	40" at centre of hatch							
	Stiffeners	7 x 3 x 3/8							
	Brackets, Stays	6 x 3/8 B. plate with 5/16 brackets							
HATCH BEAMS	Number	13							
	Spacing	3'-9 1/2"							
	Scantling and Sketch								
	Bearing Surface	3"							
FORE AND AFTERS	Number	None							
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS	Material	Steel							
	Thickness	2 3/4"							
	How fitted	fitted							
	Bearing Surface	3 1/2" at hatch beams 3" at sides & ends							
Spacing of Cleats		24"							
Number of Tarpaulins		Two							
<p>*Are wood fore and afters steel shod at all bearing surfaces? No fore & afters fitted</p> <p>Are battens and wedges efficient and in good condition? Yes</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? Yes</p> <p>Are lashings provided in accordance with rule requirements? Locking bars fitted in lieu (See approved plan)</p>									

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.



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