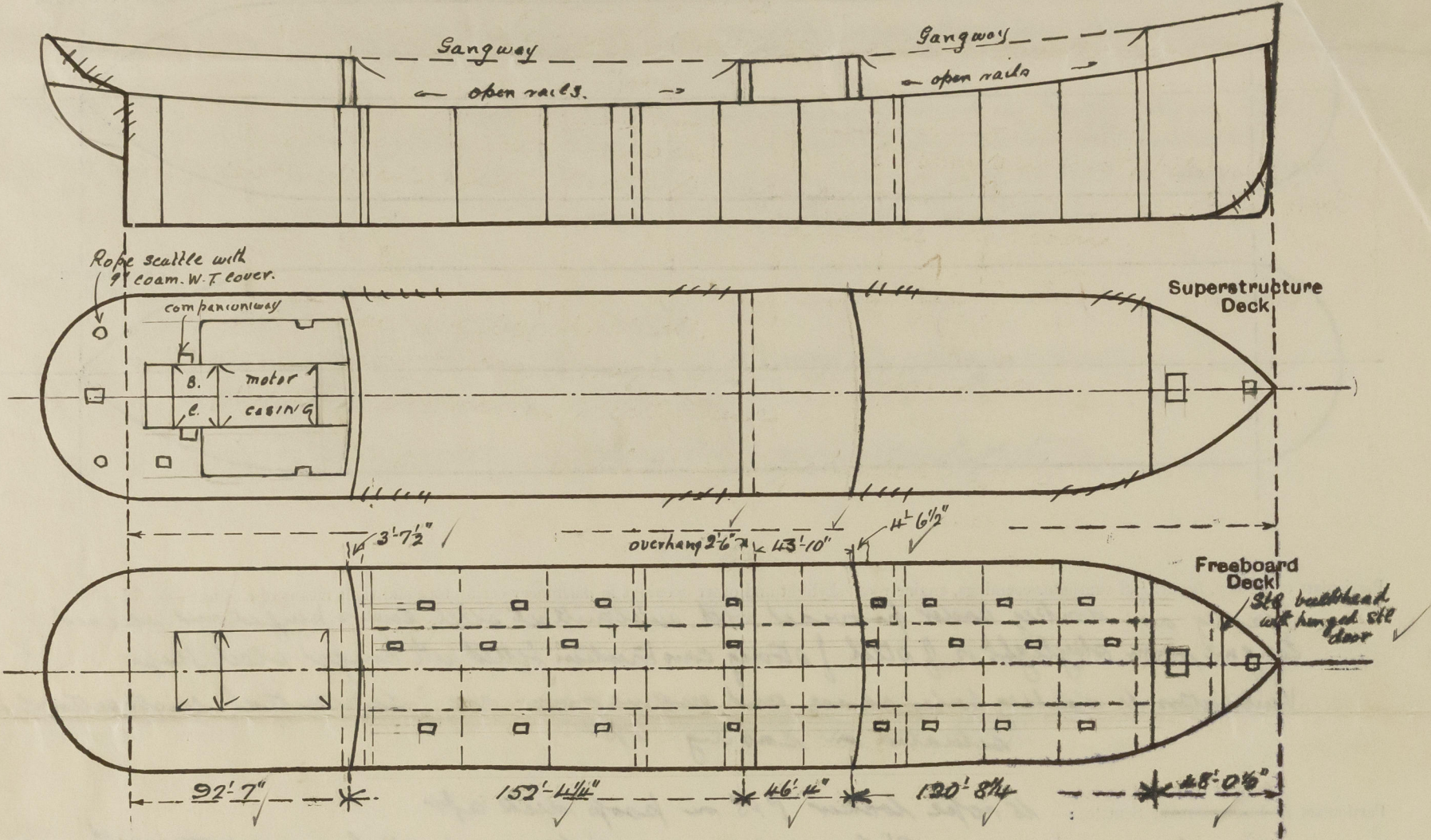


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

F 34

Ship's Name ~~EMPIRE FLETCHER~~ ^{BACKHOUSE} Port of Survey Belfast
Official Number 168514 Surveyor's Signature Wm Balfour
Nationality and Port of Registry British Belfast Date of Survey during construction

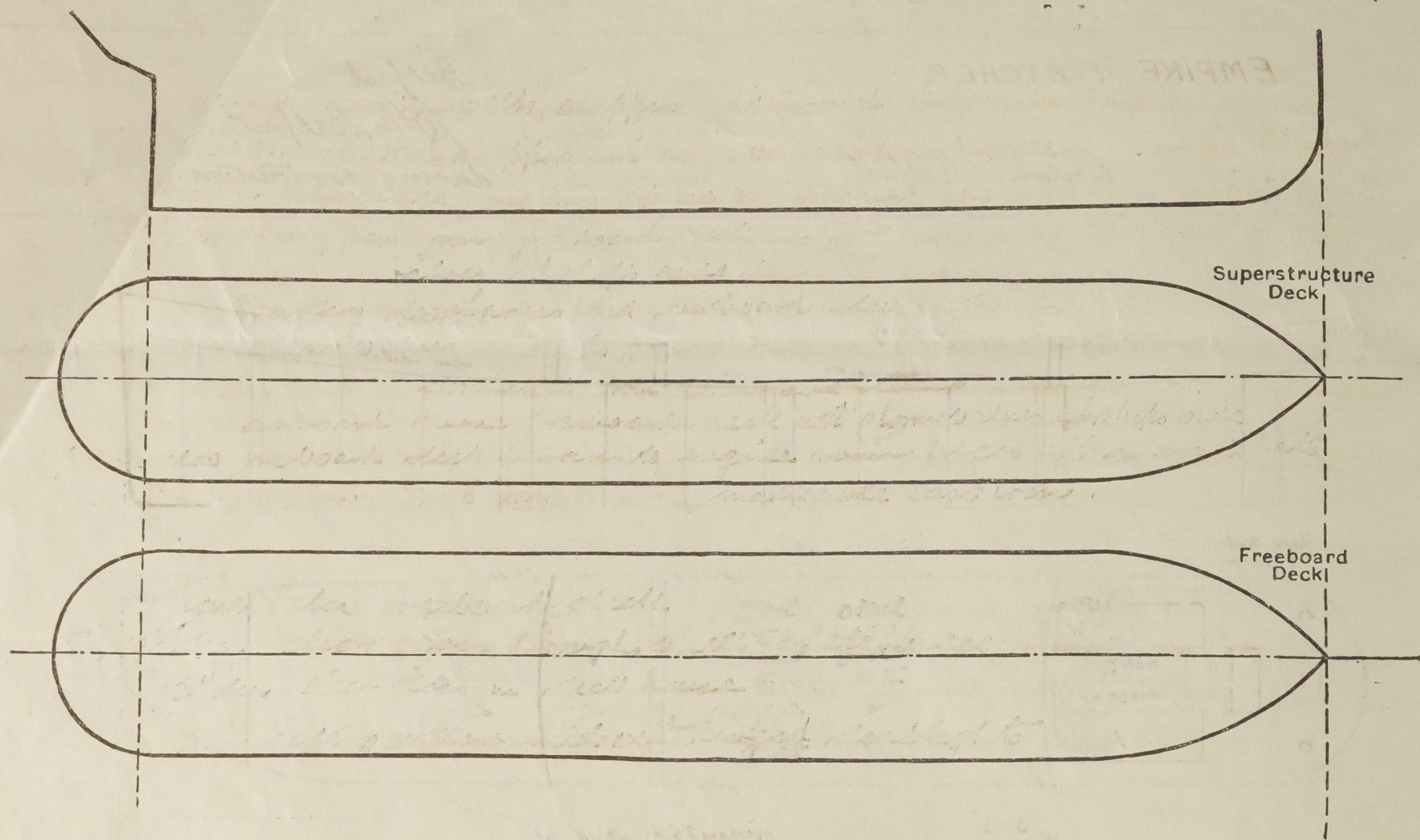
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement: --



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	44	44	10 x 3 1/2 x 7/16 Ba	30"	welded TTB	20'5"0" x 2'6"	18"	7'6"✓
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead	30	30	4 x 2 1/2 x 5/16 L	30"	none	20'5"3" x 3'0" 10'5"0" x 2'6"	18	7'6"✓
Bridge, Forward Bulkhead	44	44	9 x 3 1/2 x 7/16 Ba	30"	welded TTB	10'5"0" x 2'6"	18	7'6"✓
Forecastle Bulkhead	30	30	4 x 2 1/2 x 3/16 L	30	none	10'5"0" x 4'0" 10'5"0" x 2'6"	18	7'6"✓
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ^{with deckhouse side at aft end}	30	36	3 x 2 1/2 x 5/16	31"	none	when exposed none	✓	7'6"✓
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	Hinged steel W.T. doors ✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead	one hinged steel W.T. door, two portable steel stiffened plates secured by hook bolts ✓							
Bridge, Forward Bulkhead	Hinged steel W.T. door							
Forecastle Bulkhead	one hinged steel W.T. door, one hinged steel door, one portable pl. stiffened plate secured by hook bolts ✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks	no openings ✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	✓							
Deckhouses on Flush Deck Ships ...	✓ (all hinged steel doors operated from both sides)							

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:—

Fiddle and donkey boiler provided with substantial steel covers hinged and secured.
Engine room skylight is of steel of strong construction fitted with hinged steel flaps.
Ventilators to donkey boiler space and engine room are of substantial construction situated on casing top.

Particulars of Hatch Bunker Scuttles:— to rope locker P.B. on poop deck aft

The openings have a 9" B.A. coaming with flanged steel cover fitted with hemp packing secured by spindle, strong back and butterfly nut.

Particulars of Companionways:— One door in fore well head to pump room 60" x 24" with 18" steel W.T.

secured by toggle. Access to pump room (cargo) in strong steel deckhouse on each deck; house 7'6" high. 32 plating stiffened with 6 x 3 x 30 B.A. spaced 27" x 30" door 38" x 30" with 18" hinged steel W.T. doors secured by toggle. Steel door with wood frame at aft end of deck house on poop - in steel companionway, give access to freeboard deck and below down 66" x 24" with 18". All door manipulated both sides.

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

On forecastle deck: 7'0" dia; 1'0" dia; 2'0" dia coam 36" x 1/2" thickness to spaces in forecastle and below freeboard deck. S.N.V. 8" x 14" cast steel 36".
On bridge deck: 7'0" dia; coaming 30" x 30" to spaces in bridge fitted with canvas down run down like.
On poop deck: 2'0" dia; 6'0" dia coam 30" x 1/2" thickness to tween decks & steering gear 15' S.N.V. 8" x 14" cast steel 36" to upper & lower tween decks.
Forewell: 2'0" dia donkey port ventilation to pump room efficiently supported.
Aft well: 2'0" dia donkey port ventilation to pump room efficiently supported.
Boat deck 6' dia. 8' dia. 10' dia 12' dia ventilation coaming 30" x 1/2" thickness to poop tween decks.
Coal ventilator on poop and fore well provided with steel W.T. cover or wood flaps and canvas covers. S.N.V. provided with wood plugs.

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

In forecastle deck 1'0" to fore peak; 4'0" to deep tank 30" high.
In freeboard deck fore well 2'0" to forward cofferdam carried up 6 ft in fore wellhead and clipped thrusts.
aft well 2'0" to after cofferdam carried up 6 ft in poop well & clipped thrusts.
on poop deck 2'0" to oil fuel bunker; 2'0" x 1/2" to after peak; 4'0" x 1/2" to F.W. Tanks.
1'0" x 1/2" to messes tanks; 1'0" x 1/2" to stern comp. all 30" high.
on casing top 2'0" to 4" dia from tanks & low space all 18" above casing top.
All air pipes provided with canvas cover or wire gauge.

EMPIRE FLETCHER

Particulars of Gangway Cargo and Coaling Ports:—

None

Particulars of Scuppers and Sanitary Discharge Pipes:—

From freeboard deck wells, scupper cut through gunwale angle.
Forecastle space: overboard scupper with storm valves at ship's side.
Bridge space: drainage from this space is by means of 1 1/2" holes in after bulkhead.
Poop space: scupper from freeboard deck giving poop led overboard with storm valves at ship's side.
Sanitary discharges led overboard below freeboard deck with storm valves at ship's side.
Upper Bridge: Sanitary discharges from accommodation in bridge deck led overboard above freeboard deck with storm valves at ship's side.
Spaces below freeboard deck, drain to engine room bilges aft or drain hals forward. Storm valves of malleable cast iron.

Particulars of Side Scuttles:—

None below freeboard deck.
8", 10" dia. clear glass through shell in fore, bridge & poop.
12" dia clear glass in deck house.
All side scuttles fitted with hinged deadlights.

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

None below freeboard deck

Particulars of Guard Rails:—

In poop, bridge, and forecastle and between bulwarks & wells.
3'8" high 3 rails, stanchions 4'6" to 5 ft apart.

Particulars of Gangways, Lifelines, etc.:— For left gangway wells 7'-9" high channel stinger 6 x 3 x 3/8 P.B. connected by 3 x 3 x 3/8 transverse angles spaced 4'-0" apart. Gangway plated 32 with transverse strips welded to plating, with rails, 2 each side. Gangway supported by bracing to deck 4' x 4' x 1/2" angles spaced 8'-0" apart and spread 5' x 3" transverse at deck. Supports braced. Transverse 3' x 3' x 5/16 angle diagonals and longitudinally by ties 3' x 3' x 3/8 angles fitted diagonally in alternate spaces.

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 152'-4 1/2"	at poop 15 ft at bridge 57 ft	3'-8"	3'-0" x 1'-3"	1	over 50% open rails	
Forward Well 120'-8 1/2"	at bridge 16 ft fore 27 ft	3'-8"	3'-0" x 1'-3"	1	over 50% open rails	

State position of each freeing port ... (After Well:—

(F. and A. position and height above deck edge) (Forward Well:—

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		<i>Ycle cleat Fore Back</i>		<i>Fore and aft Cleat</i>		<i>Boop 2 off</i>			
Dimensions of Hatchway		<i>30' 30"</i>		<i>46' 3' 6"</i>		<i>39' 39"</i>			
COAMINGS	Height above Deck	<i>9' B-a</i>		<i>30'</i>		<i>6' ch</i>		<i>9' B-a</i>	
	Thickness { Sides	<i>.46</i>		<i>.50</i>		<i>.46</i>		<i>.46</i>	
	Stiffeners	<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>	
	Brackets, Stays	<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>	
HATCH BEAMS	Number	<i>✓</i>		<i>✓</i>		<i>✓</i>			
	Spacing	<i>✓</i>		<i>✓</i>		<i>✓</i>			
FORE AND AFTERS	Number	<i>✓</i>		<i>✓</i>		<i>✓</i>			
	Spacing	<i>✓</i>		<i>✓</i>		<i>✓</i>			
	Unsupported Lengths	<i>✓</i>		<i>✓</i>		<i>✓</i>			
	Scantling* and Sketch	<i>✓</i>		<i>✓</i>		<i>✓</i>			
Bearing Surface									
HATCH COVERS	Material	<i>Steel</i>		<i>Steel</i>		<i>Steel</i>		<i>Steel</i>	
	Thickness	<i>.50</i>		<i>.50</i>		<i>.50</i>		<i>.50</i>	
	How fitted	<i>Hinged</i>		<i>Hinged</i>		<i>bolled</i>		<i>Hinged</i>	
	Bearing Surface	<i>O.T.</i>		<i>O.T.</i>		<i>O.T.</i>		<i>O.T.</i>	
Spacing of Cleats		<i>loggin</i>		<i>loggin</i>		<i>loggin</i>		<i>loggin</i>	
Number of Tarpaulins		<i>18' apart</i>		<i>18' apart</i>		<i>18' apart</i>		<i>18' apart</i>	
<p>*Are wood fore and afters steel shod at all bearing surfaces? <i>✓</i></p> <p>Are battens and wedges efficient and in good condition? <i>✓</i></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <i>✓</i></p> <p>Are lashings provided in accordance with rule requirements? <i>✓</i></p>									

Particulars of any special features:— *Special defense measures alter the vessel's appearance
These do not affect freeboard
O.M.T.*

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.

