

MIDSHIP SECTION.

S.S. "PHILOMEL." *As Built* Yard No 371.

DIMENSIONS: 270'0" BP x 39'0" B.M. x 17'0" D.M. TO UPPER DK. 24'9" D.M. TO SHELTER DK.

TO CLASS 100 A1 AT LLOYD'S SHELTER DECK.

SCALE 1/2 INCH = 1 FOOT.

LLOYD'S NUMERALS

TRANSVERSE NO.	56
LONGITUDINAL NO.	15120
B TO UPPER DECK	15 88
B TO SHELTER DECK	10 92
d WHERE NO LOWER DECK FITTED	14 25
d WHERE LOWER DECK FITTED	7 25

EQUIPMENT NUMERALS

L x (B + D)	15120
SHELTER DECK (270 x 75 x 75)	1569
BRIDGE DECK (72 x 75 x 75)	405
CAPTAIN'S HOUSE ON BRIDGE DECK (15 x 75 x 5)	96
STEERING GEAR HOUSE (27 x 75 x 5)	98
EQUIPMENT NO.	17248

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3 BOWER ANCHORS EACH 33 3/4 CWT STOCKLESS
1 STREAM ANCHOR 9 1/4 CWT EX STOCK
1 KEDGE ANCHOR 4 3/4 CWT EX STOCK
240 FATHOMS 1 1/16" STUD CHAIN CABLE
75 FATHOMS 1 1/16" STREAM CHAIN
40 FATHOMS 3/16" STEEL WIRE TOWLINE
2 EACH 90 FATHOMS 2 1/2" STEEL WIRE HAWSERS
2 EACH 90 FATHOMS 6" MANILLA HAWSERS
2 EACH 90 FATHOMS 5" MANILLA WARPS

OWNERS ADDITIONS

THE SCANTLINGS INDICATED INCLUDE THE FOLLOWING ADDITIONS
REQUIRED BY OWNERS:-
THICKNESS OF FLOORS, INTERCOSTALS + CONNECTIONS, FRAMES + REVERSE FRAMES
IN DOUBLE BOTTOM + FRAMES IN CROSS BUNKER TO BE 20% IN EXCESS OF LLOYD'S
REQUIREMENTS EXCEPT IN E + B SPACES
FLOORS + INTERCOSTALS IN DOUBLE BOTTOM IN E + B SPACES TO BE 1/4" THICKER
THAN LLOYD'S REQUIREMENTS FOR HOLD
THICKNESS OF FRAMES, REVERSE FRAMES + CONNECTING ANGLES IN DOUBLE BOTTOM
IN E + B SPACES TO BE 15% IN EXCESS OF LLOYD'S REQUIREMENTS.
TANK TOP TO BE 1/16" THICK UNDER BOILERS.
FRAMES ALL TO BE OF BULB ANGLE SECTION

RIVETING END CONNECTIONS

	FOR 1/2 LEN. 36"	AT ENDS.
KEEL	QUADRUPLE RIVETED STRAPS	TREBLE RIVETED STRAPS
SHELTER DECK SHEERSTRAKE	TREBLE RIVETED OVERLAYS	DOUBLE RIVETED OVERLAYS
STRAKE BELOW SHELTER DECK SHEERSTRAKE		DOUBLE RIVETED OVERLAYS
UPPER DECK SHEERSTRAKE		DOUBLE RIVETED OVERLAYS
OUTSIDE PLATING FROM KEEL TO UPPER TURN OF BILGE		DOUBLE RIVETED OVERLAYS
OUTSIDE PLATING FROM UPPER TURN OF BILGE TO UPPER DECK SHEERSTRAKE		NOT EXCEEDING 42"
SHELTER DECK STRINGER		DOUBLE RIVETED OVERLAYS
SHELTER DECK PLATING	DOUBLE RIVETED OVERLAYS	SINGLE
UPPER DECK STRINGER		SINGLE
UPPER DECK PLATING		SINGLE
LOWER DECK STRINGER		DOUBLE
LOWER DECK TIE PLATES		DOUBLE
CENTRE GIRDER	TREBLE RIVETED OVERLAYS	DOUBLE RIVETED OVERLAYS
MARGIN PLATE	DOUBLE RIVETED OVERLAYS	DOUBLE RIVETED OVERLAYS
TANK TOP MIDDLE LINE STRAKE		SINGLE
TANK TOP PLATING		TREBLE
BOSS PLATES		TREBLE

EDGE CONNECTIONS

KEEL LANDINGS DOUBLE RIVETED ALL FORE AND AFT.
SHELTER DECK SHEERSTRAKE, STRAKE BELOW SHELTER DECK SHEERSTRAKE AND UPPER DECK SHEERSTRAKE
LANDINGS, DOUBLE RIVETED ALL FORE AND AFT.
EDGES OF OUTSIDE PLATING FROM KEEL TO UPPER TURN OF BILGE DOUBLE RIVETED ALL FORE AND AFT.
EDGES OF OUTSIDE PLATING FROM UPPER TURN OF BILGE TO UPPER DECK SHEERSTRAKE DOUBLE RIVETED
ALL FORE AND AFT.
EDGES OF ALL DECK STRINGERS AND PLATING SINGLE RIVETED ALL FORE AND AFT.
EDGES OF MIDDLE LINE STRAKE OF TANK TOP PLATING, SINGLE RIVETED, DOUBLE RIVETED IN WAY OF
ENGINE SOLE AND BOILER ROOM.
EDGES OF TANK TOP PLATING SINGLE RIVETED, DOUBLE IN WAY OF ENGINE SOLE.

SIDE FRAMING

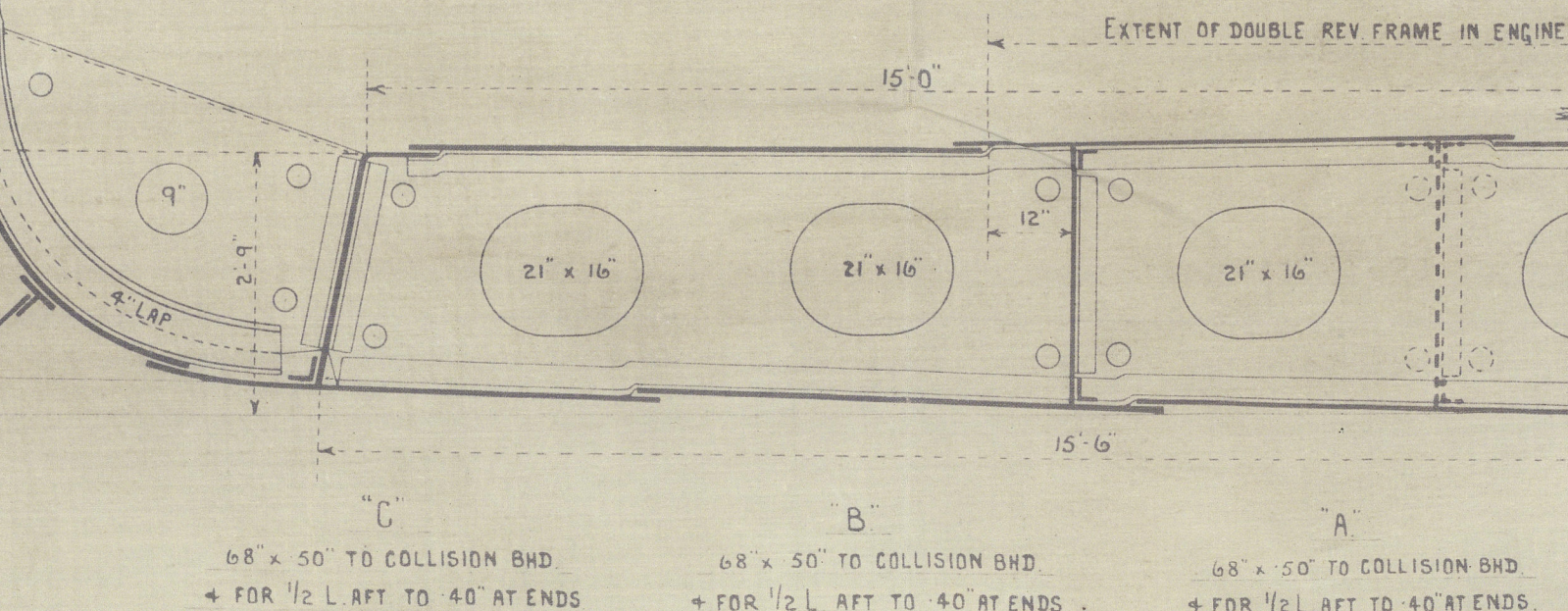
FRAMES SPACED 23" APART ALL FORE AND AFT.
FRAMES IN PERKS 5 1/2" x 3" x 40" BULB ANGLE
FRAMES IN WAY OF TUNNEL COMPARTMENT + WHERE LOWER DECK FITTED
(d = 7'25") 5 1/2" x 3" x 40" BULB ANGLE
FRAMES WHERE NO LOWER DECK FITTED (d = 14'25") 7" x 3" x 42" B.A.
FRAMES IN COAL BUNKER 7" x 3" x 50" BULB ANGLE
FRAMES EXTEND TO SHELTER DECK STRINGER PLATE
FLOORS IN PERKS 3/4" FLANGED 3" ON TOP.

FORGINGS

STEM 1 1/2" x 2 3/8" TAPERING TO 5 3/4" x 2 3/8" AT HEAD
PROPELLER POST 7 1/2" x 5 1/2"
RUDDER POST 6 3/4" x 5 1/2"
RUDDER STOCK 8 1/2" DIA.
PROPELLER BOSS PLATES 56"

ITEM	1/2 LEN. 36"	AT ENDS	ENGINE SPACE	BOILER SPACE	REMARKS
FLOORS	38	38	57	57	
CENTRE GIRDER	35 x 44	36	44	56	
E.G. TOP ANGLES	3 x 3 x 40	40	48	50	DOUBLE
E.G. BOTTOM ANGLES	4 x 4 x 50	48	50	50	DOUBLE
G.G. VERTICAL ANGLES	5 x 3 x 32	3 x 3 x 32	4 1/2" x 4 1/2" x 42	4 1/2" x 4 1/2" x 42	SINGLE
SIDE GIRDER	38	38	57	57	
S.G. TOP ANGLE	3 x 3 x 38	38	36	48	SINGLE
S.G. BOTTOM ANGLES	5 x 3 x 38	38	36	36	SINGLE
S.G. VERTICAL ANGLES	2 1/2" x 2 1/2" x 38	2 1/2" x 2 1/2" x 38	3 x 3 x 36	3 x 3 x 48	SINGLE
WING BRACKETS	38	32	32	42	FLANGED 3/16" ON TOP
TANK FRAMES	3 1/2" x 3 x 38	38	36	36	SINGLE
TANK REV FRAMES	3 x 3 x 38	3 x 3 x 38	3 1/2" x 3 x 36	3 x 3 x 48	DOUBLE IN E.S. TO 12" OUTSIDE OF OUTER INT. 3 1/2" x 3 x 48 DOUBLE UNDER RAILINGS. MINIMUM DEPTH MAINTAINED FROM FORE END TO 3 1/2" AFT THEN REDUCED TO 2 1/2" AFT END
MARGIN PLATE	30 x 36	36	36	46	
MARGIN SHELL ANGLE	3 1/2" x 3 1/2" x 36	36	36	36	SINGLE
MARGIN VERTICAL ANGLES	3 x 3 x 32	32	32	42	SINGLE
TANK TOP MIDDLE LINE STRAKE	72 x 38	36	38	56	
TANK TOP PLATING	32	30	38	56	
TANK TOP PLATING UNDER ENGINE SOLE			40		

NOTE: STRAKES E + F INCREASED ON BETWEEN KEEL BULKHEADS
IN LIEU OF SIDE STRINGER STRAKE C INCREASED ON WHERE
NO LOWER DECK IN LIEU OF SIDE STRINGER



SHELTER DECK
BEAMS WITH 1 ROW OF PILLARS 5 1/2" x 3" x 40" B.A.
BEAMS WHERE NOT EXCEEDING 1/2 L. 36" BEAM 5 1/2" x 3" x 40" ANGLE
BEAMS WHERE NOT EXCEEDING 1/2 L. 36" BEAM 5 1/2" x 3" x 30" ANGLE
BEAMS WITH 2 ROWS OF PILLARS (IN WAY OF HATCHWAYS + E.B. OPENINGS) 5 1/2" x 3" x 40" ANGLE
BEAMS AT ENDS OF HATCHWAYS 8 x 3" x 40" B.A. KNEES 20" x 40"
BEAM KNEES 15" x 40" ALL FORE AND AFT. 4-3/4" RIVETS
STRINGER PLATE 56 x 48 FOR 1/2 L. 36" TO 36" AT ENDS. 46" AT BREAK
STEEL DECK 30" COMPLETE
STRINGER ANGLE 4 x 4 x 48 FOR 1/2 L. 36" TO 4 x 3" x 36" AT ENDS
GUTTER ANGLE 3 x 2 1/2" x 40" 3" TO DECK
WOOD DECK 5 x 3" PITCH PINE, 8 x 3" TEAK MARGIN.

UPPER DECK
BEAMS WITH 1 ROW OF PILLARS 6 1/2" x 3" x 40" B.A.
BEAMS WHERE NOT EXCEEDING 1/2 L. 36" BEAM 5 1/2" x 3" x 34" B.A.
BEAMS WHERE NOT EXCEEDING 1/2 L. 36" BEAM 5 1/2" x 3" x 30" ANGLE
BEAMS WITH 2 ROWS OF PILLARS (IN WAY OF HATCHWAYS + E.B. OPENINGS) 5 1/2" x 3" x 34" B.A.
BEAMS AT ENDS OF HATCHWAYS 8 1/2" x 3" x 46" B.A. KNEES 21" x 44"
BEAM KNEES 16" x 40" ELSEWHERE 4-3/4" RIVETS
STRINGER PLATE 43 x 38 FOR 1/2 L. 36" TO 36" AT ENDS.
STEEL DECK 30" COMPLETE
STRINGER ANGLE 3 1/2" x 3 1/2" x 38 FOR 1/2 L. 36" TO 36" AT ENDS
WOOD DECK IN WAY OF HORSE STALLS 5 x 3" PINE, 1 1/2" TEAKOID IN CREWS SPACE.

LOWER DECK
BEAMS WITH 1 ROW OF PILLARS 9" x 3 1/2" x 3 1/2" x 48 CHANNEL
BEAMS WITH 2 ROWS OF PILLARS IN WAY OF HATCHWAYS 8 x 3" x 40" CHANNEL
BEAM KNEES 24" x 50" 5-7/8" RIVETS
STRINGER PLATE 30 x 38 FOR 1/2 L. 36" TO 24" x 36" AT ENDS
TIE PLATES 11 x 38, 18 x 38 AT SIDES OF HATCH
STRINGER ANGLE 3 1/2" x 3 1/2" x 38 FOR 1/2 L. 36" TO 36" AT ENDS
WOOD DECK 8 7/8" x 3" M. PINE, 9 x 3 1/2" PINE WATERWAY PLANK

W1134-0124

"Zaafaren" etc
S/s "Philomel".

Aelia Co. No. 371

Midship Section. (As built.)

GLASGOW REPORT No. 41488.

RETAIN



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