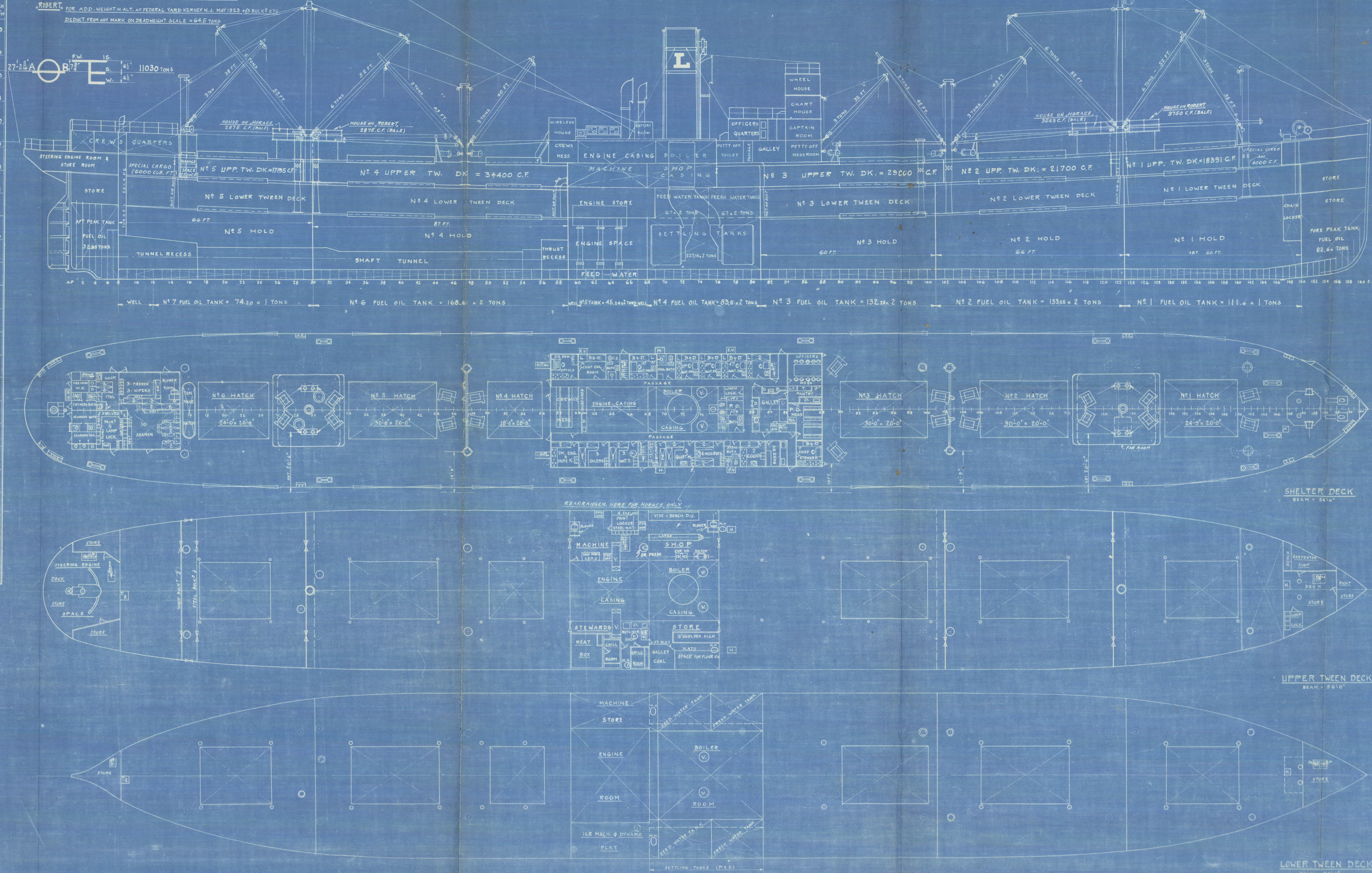


AFT PEAK TANK		FORE PEAK TANK	
TONS	SAUNDING IN FT.	TONS	SAUNDING IN FT.
32.88	23	32.88	23
30	22	30	22
25	21	25	21
20	20	20	20
19	19	19	19
18	18	18	18
17	17	17	17
16	16	16	16
15	15	15	15
14	14	14	14
13	13	13	13
12	12	12	12
11	11	11	11
10	10	10	10
9	9	9	9
8	8	8	8
7	7	7	7
6	6	6	6
5	5	5	5
4	4	4	4
3	3	3	3
2	2	2	2
1	1	1	1
0	0	0	0

DEAD WEIGHT SCALE	
FREEBOARD IN FEET	DEAD WEIGHT IN TONS
32	14,000
31	13,500
30	13,000
29	12,500
28	12,000
27	11,500
26	11,000
25	10,500
24	10,000
23	9,500
22	9,000
21	8,500
20	8,000
19	7,500
18	7,000
17	6,500
16	6,000
15	5,500
14	5,000
13	4,500
12	4,000
11	3,500
10	3,000
9	2,500
8	2,000
7	1,500
6	1,000
5	500
4	0
3	0
2	0
1	0
0	0

NOTE: HORACE FOR ADDED WEIGHT IN ALTERATIONS AT HUTCHER'S YARD N.J. MAY 1922. 4-6 BULKH. & HOUSES ETC. DEDUCT FROM ANY MARK ON DEADWEIGHT SCALE = 64.5 TONS. BOSTON FEB 1922.

ROBERT FOR ADD. WEIGHT IN ALT. AT FEDERAL YARD KENNEY N.J. MAY 1922. 4-6 BULKH. & HOUSES ETC. DEDUCT FROM ANY MARK ON DEADWEIGHT SCALE = 64.5 TONS.



ALTERATIONS	
INSTALLED 3 BULKH. IN U.T.D. AT FR. #25-102-121	
MADE ALTERATIONS TO LEADS FOR MECH. VENT. TO SUIT	
CHANGED DEDUCTION FROM DEADWEIGHT SCALE FROM 40 TONS TO 48.5 TONS (CHANGED TO 64.5 TONS FOR BOTH SHIPS)	
ADDED DK. HOUSES AND NOTES ABOUT ROBERT AND MADE PLAN GENERAL FOR BOTH SHIPS	
CUB. FOR NEW COMPART. U.T.D. ARE (BALE) MEASUREMENT	
BALE CUBIC FOR NEW DECK HOUSES ADDED TO TOTAL BALE CUB.	
ROBERT 77372.5	HORACE 57372.5
NEW TOTAL C.F. 580349 (BALE)	NEW TOTAL C.F. 580142 (BALE)

PRINCIPAL PARTICULARS	
HULL:-	
LENGTH BETWEEN PERPENDICULARS	445' 0"
BREADTH MOULDED	58' 0"
DEPTH TO SHELTER DECK	40' 0"
HEIGHT B.T.M. UPPER TW. DK. AND SHELTER DK.	8' 0"
" " LOWER " " " " " " " "	10' 3"
GROSS REG. TONNAGE	2475.5 TONS
NET " " " "	2008.0
MECHANICAL VENTILATION OF CARGO HOLDS (HORACE ONLY)	

ENGINE:-	
2 SETS - TRIPLE EXPANSION SURFACE CONDENSING CYLINDERS 1 STROKE	22" 36" 46" x 48"
" " " "	14" 3" DIA. 11' 6" LONG
BOILERS - 4 SCOTCH SING. END. 3 FURNACES	5505.32
" " " "	200 LBS. PR. D.
FORCED DRAFT	HENDON TYPE
OIL BURNING	
PROPELLER - 2 1/2 BLADES - BUILT - MANGANESE BRONZE	
" " " "	DIA. 16' 0" PITCH 18' 0"

CARGO CAPACITIES	
HOLDS	GRAIN
	CUB. FEET TONS (40 CUB. FT. = 1 TON)
Nº1 HOLD	47976.00 1109.00
Nº2 " "	75518.00 1807.95
Nº3 " "	65552.00 1638.80
Nº4 " "	85224.00 2130.60
Nº5 " "	34473.00 861.83
TOTAL	308743.00 7718.68
Nº1 LOW TW. DK.	26778.00 669.45
Nº2 " "	36930.00 923.15
Nº3 " "	35316.00 882.90
Nº4 " "	50513.00 1262.83
Nº5 " "	31359.00 783.97
TOTAL	180896.00 4522.00
UPPER TW. DK. (FORM)	84197.00 2104.89
UPPER TW. DK. (AFT)	68827.00 1720.67
TOTAL	152024.00 3800.60
GRAND TOTAL	641663.00 16041.58

CAPACITY OF STORES	
SPACE	IN CUB. FEET
PAINT STORE - FORMER UPPER TW. DK.	640.00
BOATSW. " " " "	217.00
LAMP ROOM " " " "	311.00
CARPENT. SHOP - " " " "	2440.00
STORE ON TOP OF FORE PEAK TANK	1600.00
STORE - UPPER TW. DK. - SIDE OF STEERING ROOM (S)	1120.00
STORE - " " " "	1080.00
STORE - AFT LOW TW. DK.	2560.00
MACHINE SHOP - PART SIDE U.T.D.	5800.00
STEWARD'S STORE (LUG) STB. SIDE U.T.D.	5800.00
TOTAL	23527.00 C.F.

TANK CAPACITIES	
TANKS	FUEL OIL
	TONS (37.2 CUB. FT. = 1 TON)
FORE PEAK	82.64
AFTER PEAK	32.88
Nº1 TANK	111.00
Nº2 " "	266.50
Nº3 " "	264.50
Nº4 " "	167.00
Nº5 " "	337.00
Nº6 " "	74.20
FRESHW. T. L. D. (P. 15)	134.00
FRESHW. T. L. D. (P. 15)	134.00
SETTLING TANKS	455.50
TOTAL	1791.35

NOTE: SPECIAL CARGO AND TONNAGE SPACE CUB. CAPACITIES ARE INCLUDED IN TOTAL. UPPER TW. DK. (AFT) = CAPACITY

ALL TONS = 2240 LBS.

ROBERT FOR LOCATION OF VENTS. TO CARGO HOLDS. USE OTHER PLAN OF ROBERT

LUCKENBACH STEAMSHIP COMPANY INC.
FOOT OF 35TH STREET BROOKLYN N.Y.
TITLE: HORACE LUCKENBACH
SUBTITLE: GENERAL ARR. & CAPACITY PLAN

DRAWN BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

SCALE: 1" = 10' FT
DATE: 1-1-1922
DRAWING: 18-19-10-1920

~~SE~~ 18-19-H-1-A

GEN. ARR. & CAP. PLAN

003556-003566-0048



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