

“EDDYBEACH.”

CAPACITY PLAN.

SCALE:- $\frac{1}{16}$ INCH = 1 FOOT ($\frac{1}{192}$).

CALEDON SHIPBUILDING & ENGINEERING CO LTD DUNDEE.

DRAWING № 141.

DATE:- NOV. 1951

SHIP N^o 474.

PARTICULARS.		
	SUMMER	WINTER
DRAFT	17-3/8'	16-10/8
FREEBOARD.	1'-4 1/4	1-8 1/2
TONS PER INCH.	23 05	22 93
DEADWEIGHT.	2286 T	2183

DIMENSIONS.			
	REGISTERED	MOULDED	EXTREME
LENGTH	273.2	270.0	287.6 ⁵ / ₈
BREADTH	44.2	44.0	46.3 ¹ / ₂
DEPTH	18.5	18.6	18.7 ¹ / ₂

CARGO CAPACITIES AND STORES.		BOTTOM OF RE- AND INSIDE SPARRING	
COMPARTMENT.	FRAMES.	CUB. FT.	
DRY CARGO HOLD.	107-120	72	
DRY CARGO STORE.	107-123	443.2	
CANVAS STORE.	123-STEM	95.5	
BOSUNS STORE.	123-STEM	98.2	
INFLAMMABLE STORE.	107-112	64.2	
STEWARDS STORE AMIDSHIPS	89-93	54.1	
BONDED STORE.	85-89	54.7	
CONFIDENTIAL MAIL ROOM.	81-85	56.3	
BEDDING STORE & LINEN LOCKER	78-81	47.4	
BAGGAGE STORE.	85-89	55.5	
CHIEF OFFICERS STORE.	81-85	55.9	
SPARE BED STORE.	78-81	48.8	
DECONTAMINATION STORE.	74-78	25.5	
GUNNERS STORE.	74-78	28.6	
SPACE FOR HOSE STOWAGE.	76-94	597.4	
PROVISION ROOM.	67-112	81.5	
MAGAZINE.	1-67	53.8	
ELECTRICIANS STORE.	STEM-C	24.9	
STEWARDS STORE AFT.	7-12	61.8	
STORE AFT.	STEM-C	30.5	
COLD ROOM.	4-8	24.0	
COOL ROOM	8-12	13.0	
HANDLING ROOM.	8-12	18.3	
GALLEY STORE.	17-20	44.0	
ENGINEERS SPARE GEAR STORE.	STEM-O	21.1	
TOTAL.		28,255	

TIPPING SCALE.		EFFECT ON TRIM IN INCHES				
COMPARTMENT.	TONS WEIGHT	TIPPING CENTRE FEET.	10'-0" DRAFT		15'-0" DRAFT	
			AFT	FOR'D	AFT	FOR'D
N° 1 CARGO TANK P	100	15.97 A	+ 7 ³ / ₈	+ 2'	+ 6 ³ / ₄	+ 2'
N° 1 CARGO TANK S	100	15.97 A	+ 7 ³ / ₈	+ 2	+ 6 ³ / ₄	+ 2'
N° 1 CARGO TANK CR	90	22.00 A	+ 7 ³ / ₈	+ 7 ³ / ₈	+ 6 ⁷ / ₈	+ 1'
N° 2 CARGO TANK P	100	22.00 F	+ 3 ³ / ₄	+ 8 ¹ / ₂	+ 14'	+ 7 ³ / ₄
N° 2 CARGO TANK S	100	22.00 F	+ 3 ³ / ₄	+ 8 ¹ / ₂	+ 14'	+ 7 ³ / ₄
N° 2 CARGO TANK CR	100	22.04 F	+ 1	+ 8 ¹ / ₂	+ 14'	+ 7 ¹ / ₈
N° 3 CARGO TANK P	100	45.96 F	- 3 ¹ / ₂	+ 1.0 ³ / ₄	- 2'	+ 11 ¹ / ₂
N° 3 CARGO TANK S	100	45.96 F	- 3 ¹ / ₂	+ 1.0 ³ / ₄	- 2	+ 11 ¹ / ₂
N° 3 CARGO TANK CR	100	46.08 F	- 3 ³ / ₈	+ 1.0 ³ / ₄	- 2 ³ / ₈	+ 11 ³ / ₈
N° 4 CARGO TANK P	100	67.65 F	- 7 ¹ / ₂	+ 1.4 ¹ / ₂	- 5 ¹ / ₄	+ 1.2 ³ / ₄
N° 4 CARGO TANK S	100	67.65 F	- 7 ¹ / ₂	+ 1.4 ¹ / ₂	- 5 ¹ / ₄	+ 1.2 ³ / ₄
N° 4 CARGO TANK CR	100	68.05 F	- 7 ¹ / ₂	+ 1.4 ³ / ₈	- 5 ¹ / ₄	+ 1.2 ³ / ₄
LUBRICATING OIL TANK P	27	3.0 F	+ 1 ¹ / ₈	+ 1 ³ / ₈	+ 1 ¹ / ₈	+ 1 ³ / ₈
LUBRICATING OIL TANK S	27	3.0 F	+ 1 ¹ / ₈	+ 1 ³ / ₈	+ 1 ¹ / ₈	+ 1 ³ / ₈
FORE PEAK TANK	100	120.46 F	- 1.5 ¹ / ₈	- 2.1 ³ / ₈	- 1.0 ⁷ / ₈	+ 1.10 ⁷ / ₈
DEEP TANK	100	96.73 F	- 1.0 ³ / ₄	+ 1.9 ³ / ₈	- 10'	+ 1.6 ¹ / ₂
FORWARD COFFERDAM	47	79.40 F	- 4 ¹ / ₂	+ 8 ³ / ₄	- 3 ¹ / ₄	+ 7 ³ / ₄
AFTER COFFERDAM	69	29.50 A	+ 7	- 4 ¹ / ₂	+ 6	± 0
AFT PEAK	37	128.77 A	+ 10 ¹ / ₂	- 6 ¹ / ₂	+ 8 ¹ / ₂	- 5 ¹ / ₂
FRESH WATER TANK P	26	120.80 A	+ 7	- 4 ¹ / ₈	+ 5 ³ / ₈	- 3 ³ / ₈
FRESH WATER TANK S	26	120.80 A	+ 7	- 4 ¹ / ₈	+ 5 ³ / ₈	- 3 ³ / ₈
RESERVE FEED TANK P	25	62.10 A	+ 4 ¹ / ₈	- 1 ³ / ₈	+ 3 ³ / ₈	- 1 ¹ / ₈
RESERVE FEED TANK S	25	62.10 A	+ 4 ¹ / ₈	- 1 ³ / ₈	+ 3 ³ / ₈	- 1 ¹ / ₈
OIL FUEL BUNKER P	100	39.90 A	+ 1.0	- 2 ¹ / ₈	+ 10 ¹ / ₄	- 1 ¹ / ₂
OIL FUEL BUNKER S	100	39.90 A	+ 1.0	- 2 ¹ / ₈	+ 10 ¹ / ₄	- 1 ¹ / ₂
OIL FUEL BUNKER CR	100	40.02 A	+ 1.0	- 2 ¹ / ₈	+ 10 ¹ / ₄	- 1 ¹ / ₂
DRY CARGO HOLD	100	93.66 F	- 1.0 ¹ / ₄	+ 1.5	- 9'	+ 1.6 ¹ / ₂
DRY CARGO SPACE	50	98.70 F	- 6 ³ / ₈	+ 10 ³ / ₈	- 4 ¹ / ₄	+ 9 ³ / ₄
MOMENT TO CHANGE TRIM 1'			282		340	
TONS PER INCH			20.95		22.50	

CARGO TANK CAPACITIES						
COMPARTMENT	FRAMES	GROSS CAPACITY IN CUB FEET	95% CAPACITY IN CUB FEET	TONS AT 40 CU FT PER TON	TONS AT 35 CU FT PER TON	TONS AT 98% FULL
N° 1 TANK PORT	53-65	6160	6037	150.9	172.5	
N° 1 TANK STARBOARD	53-65	6160	6037	150.9	172.5	
N° 1 TANK CENTRE	53-59	3692	3618	90.4	103.4	
N° 2 TANK PORT	72-84	6231	6106	152.6	174.5	
N° 2 TANK STARBOARD	72-84	6231	6106	152.6	174.5	
N° 2 TANK CENTRE	72-84	7431	7250	182.0	208.0	
N° 3 TANK PORT	84-96	6323	6203	155.1	177.3	
N° 3 TANK STARBOARD	84-96	6323	6203	155.1	177.3	
N° 3 TANK CENTRE	84-96	7658	7505	187.6	214.4	
N° 4 TANK PORT	96-106	4772	4676	116.9	134.4	
N° 4 TANK STARBOARD	96-106	4772	4676	116.9	133.6	
N° 4 TANK CENTRE	96-106	6600	6468	161.7	186.4	
TOTAL		72,345	70,915	1772.7	2026.4	
LUB OIL TANK PORT	66-71	1106	1084	27.1	31.0	
LUB OIL TANK STARBOARD	66-71	1106	1084	27.1	31.0	
TOTAL		22,571	22,083	542.6	628.8	

TONNAGES.			
	BRITISH	SUEZ	PANAMA
UNDERDECK	1533.80		
GROSS	2157.34		
NET	904.91		

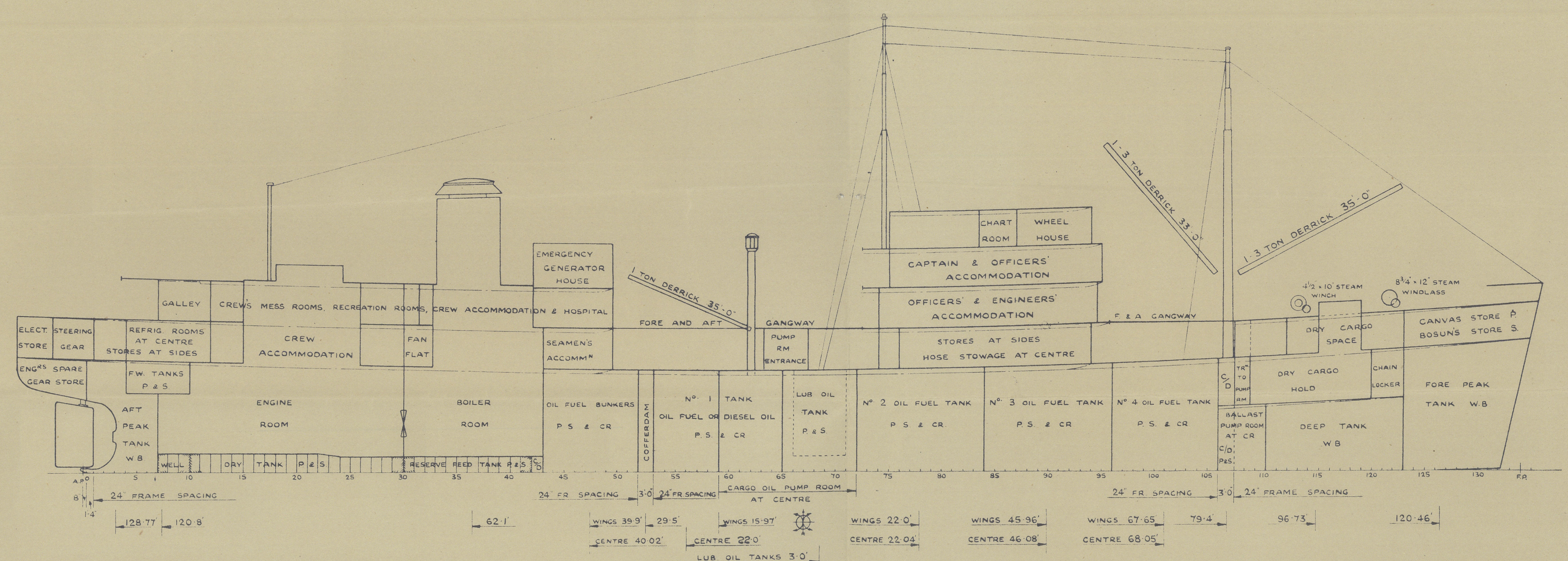
FRESH WATER CAPACITIES				
COMPARTMENT		FRAMES	CUB. FT.	TONS AT 30 CUFT/TON
FRESH WATER TANK AFT	P	4 - 10	947	26.3
FRESH WATER TANK AFT S	S	4 - 10	947	26.3
RESERVE FEED TANK S	P	30 - 42	880	24.4
RESERVE FEED TANK S	S	30 - 42	880	24.4
DRY TANK	P	10 - 30	750	20.8
DRY TANK	S	10 - 30	760	21.1
TOTAL			5164	143.3

OIL FUEL BUNKER CAPACITIES				
COMPARTMENT	FRAMES	CUB. FT. 100% FULL	TONS AT 98% FULL	
CENTRE BUNKER	43 - 52	5 595	140	6
WING BUNKER P	43 - 52	4 429	111	3
WING BUNKER S	43 - 52	4 429	111	3
TOTAL		14 453	363	2

LUBRICATING OIL CAPACITIES.		
COMPARTMENT	CUB. FT.	TONS AT CU FT/TON
LUB. OIL STORAGE TANK.	26 25	0.65
LUB. OIL RENOVATING TANK	22.50	0.56
TOTAL.	48 75	1.21

WATER BALLAST CAPACITIES.			
COMPARTMENT	FRAMES	CUB. FT.	TONS AT 35 CU. FT./TON
AFT PEAK TANK	0-7	128.6	36.8
AFT COFFERDAM	52-53	241.8	69.0
FORWARD COFFERDAM	106-107	164.7	47.0
DEEP TANK	107-123	848.4	242.4
FORE PEAK TANK	123-STEM	384.8	110.0
TOTAL		1768.3	505.2

FREEBOARD IN FEET	DRAFT IN FEET	DEADWEIGHT IN TONS	DISPLACEMENT IN TONS	TONS PER INCH	MOMENT TO CHANGE TRIM 1"	CENTRE OF FLOTATION EVEN KEEL	CENTRE OF FLOTATION 4" TRIM AFT
1	18		4390	23.50	380	6.51'A.	10.4'A.
2	17	2286	4112	23.22	367	5.49'A.	9.55'A.
3	16	2000	3829	22.90	353	4.25'A.	8.32'A.
4	15		3540	22.50	340	2.85'A.	6.60'A.
5	14	1500	3277	22.20	327	1.42'A.	4.44'A.
6	13		3011	21.88	314	0.06'A.	2.41'A.
7	12	1000	2758	21.56	303	1.13'F.	.96'A.
8	11		2498	21.23	292	2.13'F.	.18'F.
9	10	500	2250	20.95	282	2.96'F.	.92'F.
10	9	0	2000	20.68	273	3.70'F.	1.39'F.
11	8		1750	20.40	264	4.32'F.	1.70'F.
	7		1500	20.11	256	4.90'F.	1.88'F.



FOR ENCLOSURE

To

Lloyd's

From THE CALEDON
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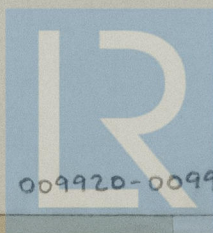
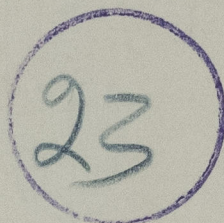
SHIPBUILDING & ENGINEERING CO LTD
SHIPYARD, DUNDEE.

0139 2/2

Capacity Plan

'Eddy beach' ★

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