

# M.V. "MONTROSE" CAPACITY PLAN

## DIMENSIONS:-

LENGTH O.A.	440'-0"
LENGTH BETWEEN PERPS.	420'-0"
BREADTH EXTREME	58'-7"
DEPTH MOULDED TO UPPER DECK	35'-9"
DEPTH MOULDED TO SECOND DECK	26'-9"

SCALE:  $\frac{1}{16}'' = 1$  FOOT

## REGISTERED DIMENSIONS

TONNAGES	BRITISH	SUEZ	PANAMA

## OFFICIAL NUMBER SIGNAL LETTERS PORT OF REGISTRY

MARKING	FREEBOARD	DRAUGHT	DEADWEIGHT

DEADWEIGHT INCLUDES CARGO, FUEL OIL, DIESEL OIL, FRESH WATER, WATER BALLAST, ENGINEERS' TANKS, FRESH & SALT WATER SERVICES, STORES, CREW & EFFECTS.

## DEADWEIGHT SCALE

DEADWEIGHT TONS	EXTENSIVE DRAUGHT FEET	DEADWEIGHT TONS	TONS PER INCH IMMERSION	MOMENT TO CHANGE TRIM 1' TONS FT.	TRANSVERSE METACENTRIC HEIGHT FEET
29	14.00	28	47	1200	25
27	13.00	26	46	1100	24
25	12.00	24	45	1000	23
23	11.00	22	44	900	22
21	10.00	20	43	800	21
19	9.00	18	42	700	20
17	8.00	16	41	600	19
15	7.00	14	40	500	18
13	6.00	12	39	400	17
11	5.00	10	38	300	16
9	4.00	8	37	200	15

LIGHTSHIP DISPLACEMENT  
DRAUGHT AFT  
DRAUGHT FWD  
DRAUGHT MEAN  
TRIM BY STERN  
V.C.G. ABOVE BASE  
DRAUGHT TO PROPELLER TIPS

BARTRAM & SONS LTD.  
YARD NO. 386.

## PROFILE

## DECK HOUSES

## BOAT DECK

## LOWER BRIDGE DECK

## NAVIGATING BRIDGE DECK

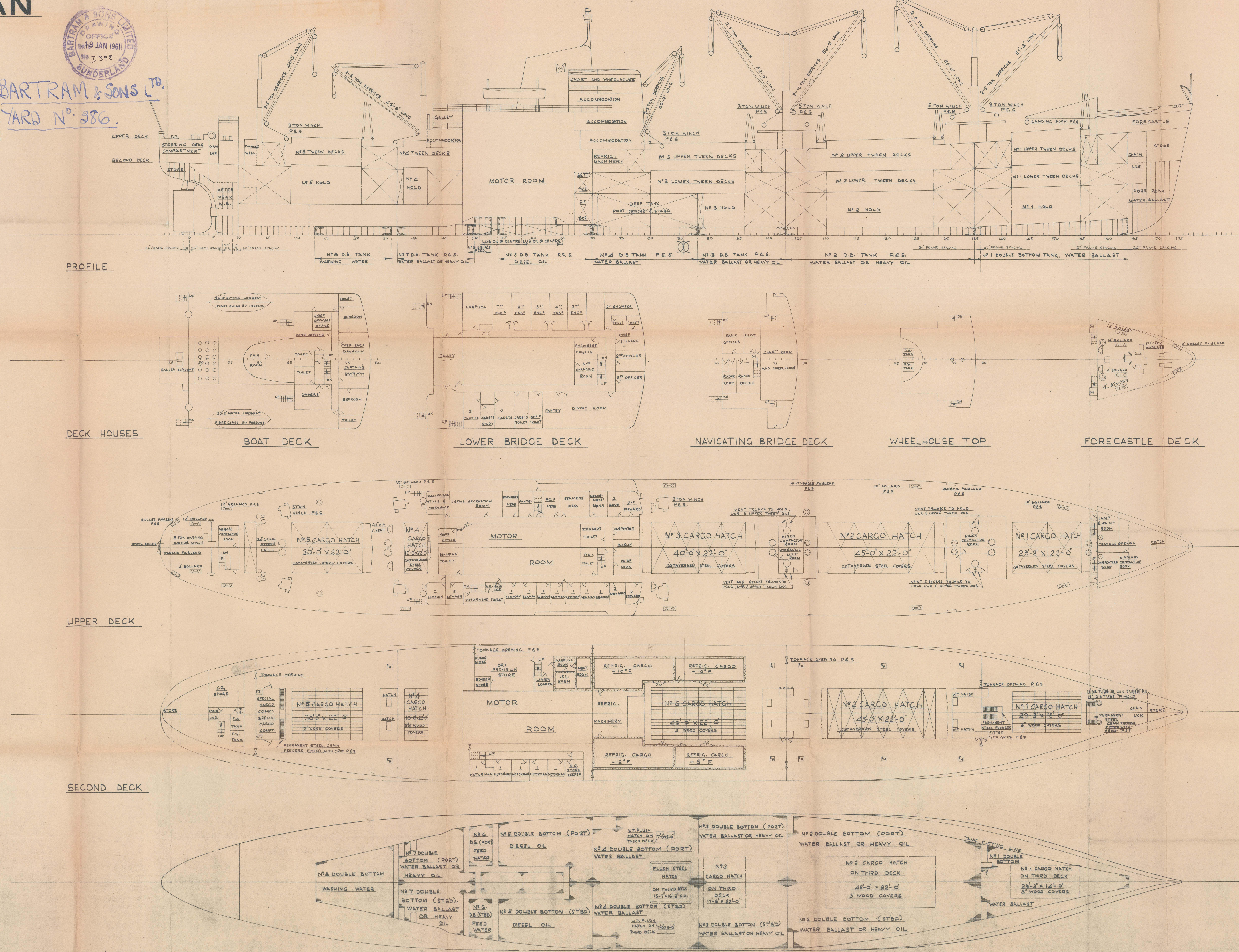
## WHEELHOUSE TOP

## FORECASTLE DECK

## UPPER DECK

## SECOND DECK

## HOLDS & TANKS



(FINAL) GENERAL CARGO CAPACITIES				
COMPARTMENT	FRAMES	GRAIN CUBIC FEET	BALE CUBIC FEET	V.C.G. FROM BASE
N1 HOLD	15 - 154	2330	1385	127.61 F
N2	103 - 135	6350	1125	81.91 F
N3	86 - 103	3150	1101	25.01 F
N3 HOLD DEEP TANK (P)	71 - 88	8880	1130	15.00 A
N4	71 - 88	1010	1090	14.93 A
N4 HOLD	87 - 98	8880	1130	15.00 A
N5	10 - 97	27800	1921	127.27 F
TOTAL HOLDS AND DEEP TANKS		23410	1385	2.87 A
N1 LOWER TWEEN DECK	135 - 164	1720	2531	149.51 F
N2	103 - 135	36480	2330	81.25 F
N3	70 - 103	26800	2270	2.18 F
TOTAL LOWER TWEEN DECKS		94550	3341	59.95 F
N1 UPPER TWEEN DECK	135 - 164	28400	3618	151.87 F
N2	103 - 135	50400	3333	83.47 F
N3	70 - 103	28550	3244	12.50 F
N4	11 - 13	2140	3557	184.18 A
TONNAGE WELL				
SPECIAL CARGO COMPARTMENT (P)	13 - 17	990	8299	176.78 A
N5	13 - 17	990	8299	176.78 A
TOTAL UPPER TWEEN DECKS		156710	3397	13.22 F
TOTAL HOLDS, DEEP TANKS & TWEENS		285400	2223	18.73 F

PRELIMINARY INSULATED CARGO CAPACITIES				
COMPARTMENT	FRAMES	NET CAPACITY CUBIC FEET	V.C.G.	L.C.G. FROM BASE
REFRIG. CARGO AFT (PORT)	70 - 84	2977	31.05	212.22 A
(STBD)	70 - 84	2977	31.05	212.22 A
REFRIG. CARGO FWD (PORT)	84 - 96	2070	31.87	12.04 F
(STBD)	84 - 96	2070	31.87	12.04 F
TOTAL REFRIG. CARGO		10094		

MEASUREMENT OF CAPACITIES.  
GRAIN CAPACITIES ARE MEASURED TO THE MOULDED LINES OF SHELL, DECKS AND TANK TOP, WITH DEDUCTIONS FOR STRUCTURE AND ALL OBSTRUCTIONS.  
BALE CAPACITIES ARE MEASURED TO INSIDE OF SPARRING, UNDERSIDE OF BEAMS AND FACE OF TROUGH BULKHEADS WITH DEDUCTIONS FOR ALL OBSTRUCTIONS.  
INSULATED CAPACITIES ARE MEASURED FROM INSIDE OF INSULATION AND FROM TOP OF DECK GRATINGS TO UNDERSIDE OF INSULATION.  
CARGO CAPACITIES INCLUDE CAPACITY OF HATCHWAYS.  
ALSO INCLUDED IN TANK CAPACITIES.

TANK CAPACITIES									
COMPARTMENT	FRAMES	CUBIC FEET	W.B.	H.O.	D.O.	FRESH W.	FEED W.	TALLOW	V.C.G.
N1 DOUBLE BOTTOM	135 - 164	2330	88.6	40.1	20.2	36.1	36.1	36.1	3.05
N2	103 - 135	6350	158	127					1.97
N3	86 - 103	3150	168	127					1.97
N4	71 - 88	8880	98	86					1.91
N5	10 - 97	27800	98	86					1.91
N6	70 - 103	26800	117						1.95
N7	70 - 88	4120	117						1.95
N8	11 - 13	2140	117						1.95
TOTAL DOUBLE BOTTOM TANKS		1058	558	20.4	61	41			2.20
PORT PEAK	164 - 170	170	4.4						17.00
N3 HOLD DEEP TANK (P)	71 - 88	8880	153						217
N4	71 - 88	1010	286						217
N5	71 - 88	8880	153						217
APT PEAK	0 - 10	3900	111						27.13
HEAVY OIL BUNKER (P)	67 - 70	2470	66						11.75
N6	67 - 70	2470	66						11.75
TOTAL BUNKERS, PEAKS AND DEEP TANKS		1167	132						890
TOTAL MAIN TANKS		1607	682	10.4	61	41			890
FRESH WATER INNER	81 - 11	418							35.30
OUTER	81 - 11	418							35.30
CLEAN H.O. SETT. TK. INNER	67 - 70	490	15						21.75
OUTER	67 - 70	490	15						21.75
DIRTY H.O. SETT. TANK	67 - 70	490	15						21.75
CLEAN D.O. SETT. TANK	67 - 70	490	15						21.75
DIRTY D.O. SETT. TANK	67 - 70	490	15						21.75
CORRUPT H.O. SETT. TK.	67 - 70	140	3						21.75
TOTAL OTHER TANKS		2205	748	21.6	85	45			890

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CONCORDIA Ltee

BARTRAM & SONS. LTD.

YARD. NO. 380

CAPACITY PLAN.



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