

| GRAIN & BALE CUBIC CAPACITIES. | | | | | |
|----------------------------------|----------------------|---------|------------|-----------|--------|
| LENGTH. | SPACE | FRAMES | GRAIN C.F. | BALE C.F. | |
| 72' 6" | No 1 Lower Hold | 176-142 | 69,680 | 65,690 | 89,950 |
| 68' 2" | Tween Deck | 142-112 | 26,725 | 24,260 | 73,005 |
| 61' 0" | No 2 Lower Hold | 141-120 | 22,712 | 20,578 | 93,583 |
| 23' 10" | No 3 Lower Hold | 113-101 | 26,825 | 25,525 | 42,067 |
| 11' 0" | Tween Deck | 120-101 | 18,258 | 16,542 | 19,700 |
| 20' 6" | No 4 Lower Hold | 101-92 | 21,780 | 20,400 | 28,100 |
| 20' 6" | Tween Deck | 66-37 | 60,600 | 57,530 | 82,460 |
| 64' 0" | No 5 Lower Hold | 66-37 | 27,790 | 24,930 | 46,930 |
| 69' 0" | No 6 Lower Hold | 37-7 | 35,000 | 32,350 | 16,220 |
| 42' 3" | Tween Deck | 37-17 | 16,280 | 14,580 | 17,930 |
| 18' 6" | Shit. Dk. over No 3 | 118-100 | 92 | 7,513 | 6,917 |
| 133' 0" | Shit. Dk. over 5 & 6 | 65-13 | 45,420 | 42,170 | |
| TOTAL HOLDS, TWEEN & SHELTER DKS | | | 482,365 | 448,397 | |
| Fore Peak Upper | | | 176-142 | 2,442 | 2,220 |
| Lower | | | 176-142 | 1,166 | 1,080 |
| Store | | | 106-8 | 737 | 670 |
| 34' 0" | Poop Upper | 13-0 | 6,866 | 6,372 | 13,384 |
| 30' 6" | Lower | 17-0 | 8,024 | 7,012 | |
| TOTAL HOLDS, T. & S. DECK ETC. | | | 501,600 | 465,731 | |
| 70' 0" | Shelter Dk. Casings | 92-66 | 21,156 | 18,680 | |
| GRAND TOTAL EOLD 537 TONS BKRS | | | 522,756 | 484,611 | |

| WATER BALLAST | | | |
|---------------------|------|------------|------|
| | | FRAMES. | TONS |
| No 1 Tank | | 176 - 142 | 210 |
| 2 | Div. | 142 - 90 | 500 |
| 3 | " | 90 - 81 | 86 |
| 4 | Div. | 81 - 68 | 124 |
| 5 | " | 68 - 37 | 260 |
| 6 | " | 37 - 12 | 110 |
| TOTAL DOUBLE BOTTOM | | | 1290 |
| Fore Peak | | 180 - Stem | 90 |
| After Peak | | 7 - 4 | 8 |
| TOTAL WATER BALLAST | | | 1388 |

S. S. "RIOL"

Owners:- The Leeds Shipping Co Ltd.
Managing Owners:- Sir William Reardon Smith, Popham & Lilley.
Registered Offices:- Merthyr House, James Street, Cardiff.

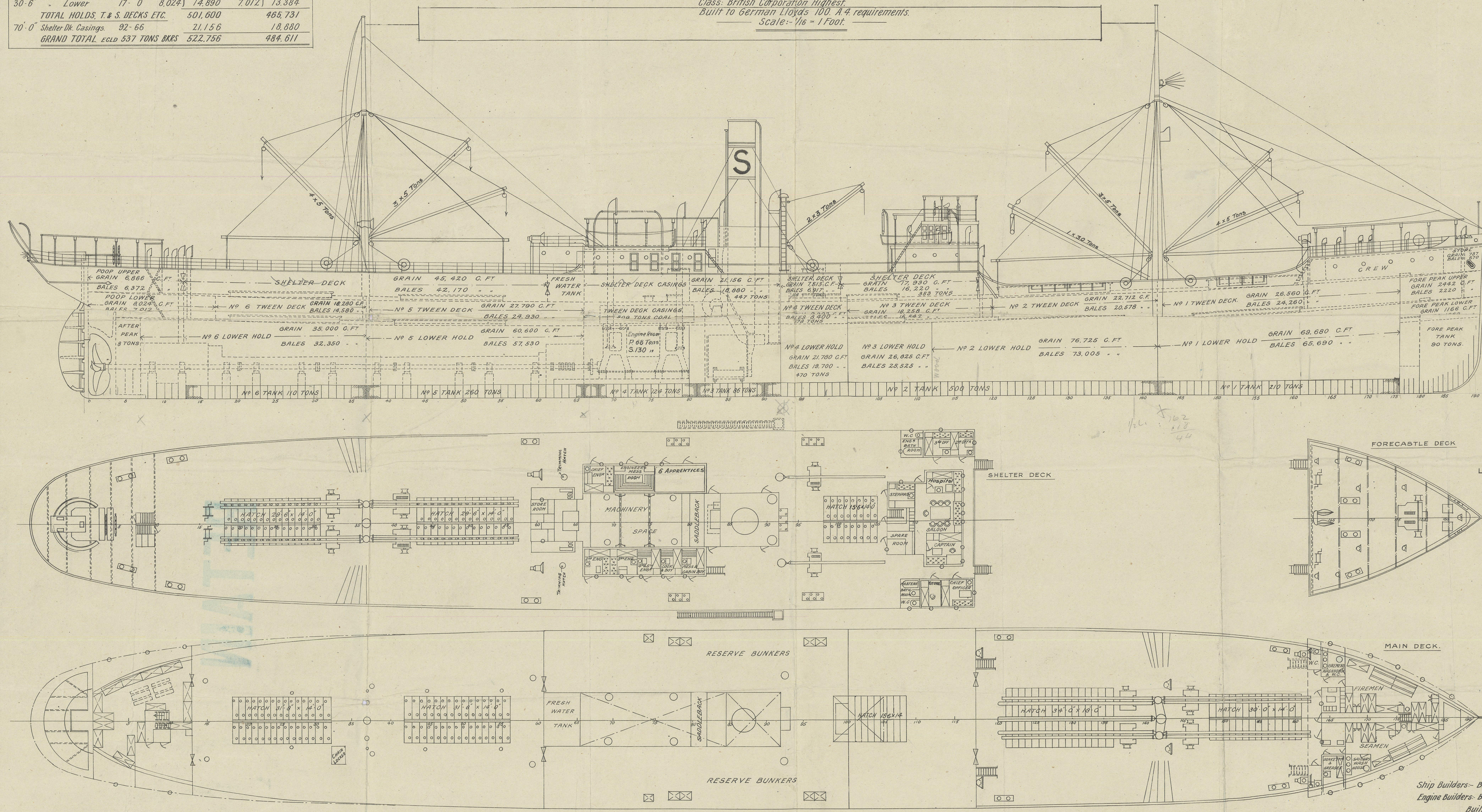
DIMENSIONS.

Length Between Perps. 420' 6"
Breadth Extreme 54' 6"
Depth Moulded 31' 0"
Depth of Hold 27' 9"
Gross Tonnage 5340.8
Net Tonnage 3418.3

Class: British Corporation Highest
Built to German Lloyds 100 A.4. requirements.
Scale: 1/16" = 1 Foot.

| BUNKERS | | |
|---------------------------------|-----------|-------|
| | FRAMES. | TONS. |
| Saddle Back | — | 20 |
| Pockets | — | 10 |
| Engine Room Reserve | 80 - 66 | 198 |
| | ST 130 | |
| 70' 0" Tween Deck Casings sides | 92 - 66 | 309 |
| 70' 0" Shelter | 92 - 66 | 447 |
| TOTAL PERMANENT BUNKERS | | 984 |
| 20' 6" No 4 Lower Hold | 101 - 92 | 470 |
| 20' 6" Tween Deck | 101 - 92 | 178 |
| 18' 6" Shelter Deck | 100 - 92 | 154 |
| 41' 0" Shelter Deck over No 3 | 118 - 100 | 353 |
| TOTAL PERMANENT & RESERVE | | 2193 |

| SHIP'S FITTINGS. | | |
|---|--|--|
| Engines:- Quadruple Expansion. H.P. 24". I.P. 34" & 50". L.P. 72.13/16" | | |
| by 53" Stroke. N.H.P. 386. I.H.P. 2600. | | |
| 102 knots on 30 tons. | | |
| Boilers:- Three main S.E. 14' 1 1/2" x 12'. Working Pressure 225 lbs. | | |
| Forced Draught. | | |
| Winches:- Ten by Atlas Werke, Bremen. Two 8" x 14". Six 7" x 12". | | |
| Two 7" x 10". | | |
| Derricks:- 14 x 5 tons. 2 x 3 tons. 1 x 30 tons. | | |
| Steering gear:- By Norddeutsche. | | |
| Wireless Telegraphy & Electric Light. | | |
| Feed Heater:- | | |
| Evaporator:- Neymeyer. 25 Tons. | | |
| F.W. Tanks. Two, 7000 gals. in all. | | |
| Ventilators:- Four to each hold. | | |
| Heating:- Steam Heaters. | | |
| Bronze Propeller. | | |



| LOADING SCALE. | | |
|----------------|--------|-----------------|
| TONS | DRAFT | D.W. |
| 8600 | 25' 6" | 5,860000 25' 6" |
| 8350 | 25' 0" | 5,835000 25' 0" |
| 7810 | 24' 0" | 5,781000 24' 0" |
| 7260 | 23' 0" | 5,726000 23' 0" |
| 6740 | 22' 0" | 5,674000 22' 0" |
| 6200 | 21' 0" | 5,620000 21' 0" |
| 5660 | 20' 0" | 5,566000 20' 0" |
| 5140 | 19' 0" | 5,514000 19' 0" |
| 4600 | 18' 0" | 5,460000 18' 0" |
| 4080 | 17' 0" | 5,408000 17' 0" |
| 3350 | 16' 0" | 5,335000 16' 0" |
| 3040 | 15' 0" | 5,304000 15' 0" |
| 2530 | 14' 0" | 5,253000 14' 0" |
| 2020 | 13' 0" | 5,202000 13' 0" |
| 1500 | 12' 0" | 5,150000 12' 0" |
| 980 | 11' 0" | 5,098000 11' 0" |
| 470 | 10' 0" | 5,047000 10' 0" |
| 0 | 9' 1" | 5,000000 9' 1" |

Ship Builders:- BREMER VULCAN, BREMEN.
Engine Builders:- BREMER VULCAN, BREMEN.
Built:- 1907.

Particulars believed correct but not guaranteed.

General arroyo
(profile)

of Peradoni

now named.

" Twicrest "

lot. 16 7/14.

RETAIN



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Lloyd's Register
Foundation

W394-0004