

MIDSHIP SECTION.

SCALE. $\frac{1}{2}'' = 1 \text{ FT.}$

1	BOWER	ANCHOR	65 $\frac{3}{4}$	CWTS.	STOCKLESS
1	"	"	65 $\frac{3}{4}$	"	"
1	"	"	54 $\frac{1}{2}$	"	"
1	STREAM	-	17 $\frac{1}{2}$	"	EX STOCK.
270	FATHOMS	2 $\frac{1}{4}$ "	STUD	CHAIN	CABLE.
90	"	STREAM.	4 $\frac{3}{4}$ "	STEEL	WIRE.
120	"	TOWLINE	14"	HEMP	OR 5" STEEL WIRE
2	90	"	HAWSEERS	8"	- 2 $\frac{3}{4}$ " - "
2	90	"	WARPS	7"	- 2 $\frac{3}{4}$ " - "

<u>DIMENSIONS.</u>	
<u>LENGTH</u>	<u>405'-0"</u>
<u>BREADTH MLD.</u>	<u>53'-3½"</u>
<u>DEPTH MLD. U.DK.</u>	<u>29'-5½"</u>
<u>BREADTH EXTREME.</u>	<u>53'-7"</u>

NUMERALS

$L \times D = 405 \times 29.46 = 11930.49$

$L (B+D) = 405 (53.29 + 29.46) = 33512.94$

$L/D \text{ (UPPER DG)} = 405 \div 29.46 = 13.75$

$d = 25.69$

$L/D \text{ (BRIER DG)} = 405 \div 36.96 = 10.96$

$Pop = 28.75\%$ BIRTHS 28.9% FORECASTLE 41.0%

$= 73.9\%$ ERECTIONS

$$\begin{aligned} \text{TANK} &= 3'-6\frac{1}{4}" (\text{RULE}) + 6" (\text{OWNERS}) = 4'-0\frac{1}{4}" \\ d &= 29.46 - 4.02 + .25 (\text{FOR DIFFERENCE IN} \\ &\text{HEIGHT OF B.O.T. ABOVE TANK TOP}) = 25.69 \end{aligned}$$

Sunderland

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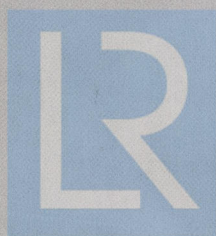
Midship Section
as built.

No 699

S.S. KIRKPOOL

SUNDERLAND RPT. No. 29460

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