

EQUIPMENT.

L = (B+D) = 405(53.25+29.46) = 3351.2
POOP = 29.75 x 7.5 x 7.5 = 167.12
BRIDGE = 228.5 x 7.5 x 7.5 = 1285.31
FORECASTLE = 41 x 7.5 x 7.5 = 230.62
CASING = 60.6 x 7.08 x 5 = 214.1
DECKHOUSE = 24 x 7.08 x 5 = 85.0
EQUIPMENT NO = 35494 Z

1 BOWER ANCHOR	63 3/4 CWTs.	STOCKLESS
1 - - -	63 3/4 - - -	- - -
1 - - -	54 - - -	- - -
1 STREAM -	17 1/2 -	EX STOCK
270 FATHOMS	2 3/4	STUD CHAIN CABLE
90 -	STREAM	4 3/4 STEEL WIRE
120 -	TOWLINE	14 HEMP OR 5 STEEL WIRE
2 90 -	HAWSEERS	8 - - - 2 3/4 - - -
2 90 -	WARPS	7 - - - 2 3/4 - - -

DIMENSIONS.

LENGTH B.P.	405'-0"
BREADTH MLD.	53'-3 1/2"
DEPTH MLD. U.D.K.	29'-5 1/2"
BREADTH EXTREME	53'-6"

Remains under floor in tank of
7 x 1 1/2 x 4 B.R.

S.S. No 699.

MIDSHIP SECTION.

SCALE 1/2" = 1 FT.

NUMERALS.

L x D	=	405 x 29.46	=	11930.43
L (B+D)	=	405 (53.25 + 29.46)	=	33512.94
L/D (UPPER DECK)	=	405 ÷ 29.46	=	13.75
d	=	25.69	-	-
L/D (BRIDGE DECK)	=	405 ÷ 36.96	=	10.96
POOP 29.75' BRIDGE 228.5' FORECASTLE 41.0'				
	=	73.9%		ERECTOR'S

TANK = 3'-0" (RUB) + 6" (OWNERS) = 4'-0"
d = 29.46 - 4.02 + .25 (FOR DIFFERENCE IN
HEIGHT OF BOT. ABOVE TANK TOP) = 25.69

BRIDGE SIDE PLATING '60"

3" x 3/4" x 38" IN BRIDGE.
UPPER DECK STRINGER ANGLE
6" x 6" x 90 TO 3 1/2" x 3 1/2" x 42
INNER STRINGER ANGLE 3" x 3" x 38"

SHEERSTRAKE 6" x 90 TO 44"
INCREASED 50% AT BRIDGE
ENDS SEE PROFILE.
QUADRUPEL RIV. OVERLAP BUTTS
FOR 1/2 L TO TREBLE AT ENDS

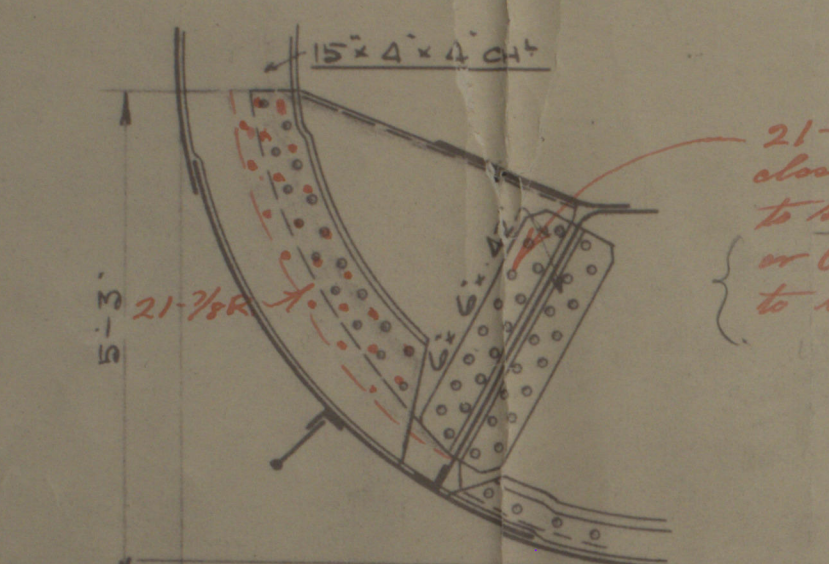
STRAKE BELOW 67" x 70" TO 44"
QUADRUPEL RIV. OVERLAP BUTTS
FOR 1/2 L TO TREBLE AT ENDS

SIDE SHELL '60" TO 44"
TREBLE RIV. OVERLAP BUTTS

BOSS PLATE '70"
QUAD. RIV. OVERLAP BUTTS

PLATE GUSSETS '38" EVERY
FRAME '48" IN BOILER RM.
5/8 RIVS. 3/4 APART.

GUSSETS & CORRESPONDING NUMBER
OF RIVS INCREASED 50% BETWEEN
COLL BULK² & 10% ABOARD RULE
POSITION OF SAME



CONN² OF BRACKETS OUTSIDE TANK
TO 15 x 4 x 4 CH² FRAMES.

BRIDGE DECK STRINGER 64" x 54"
TREBLE RIV. OVERLAP BUTTS.

BRIDGE DECK PLATING '48"
WITHIN LINE OF OPENINGS '36"
DOUBLE RIV. OVERLAP BUTTS.

BRIDGE DECK 50" x 92"

FRAMES IN BRIDGE 7" x 3 1/2" x 40 BA (NR)
ON ALTERNATE FRAMES EXCEPT FOR
4 FRAMES AT ENDS OF BRIDGE (7" x 3 1/2" x 40 BA)
INTERMEDIATE FRAMES IN POOP & FOLE
6 1/2" x 3 1/2" x 40 BA CARRIED 18 INTO MAIN FRAMES
may be unattached in Poop

UPPER DECK STRINGER 68" TO 58" FOR THICKNESS
SEE PROFILE. BUTTS QUAD RIV. FOR 1/2 L WHERE
NOT EXCEEDING '84" CLEAR OF BRIDGE TREBLE
TO DOUBLE AT ENDS. DOUBLE UNDER BRIDGE
UPPER DECK 52" x 82"

FOR SCANTLING OF UPPER DECK PLATING SEE PROFILE
BUTTS DOUBLE UNDER BRIDGE TREBLE OUTSIDE TO DOUBLE AT ENDS.

RIVS IN BEAM KNEES
INCREASED 30% BETWEEN
COLL BULK² & 10% ABOARD
RULE POSITION OF SAME

UPPER DECK THRO' BEAMS IN WELL 10" x 3 1/2" x 50 BA (NR) KNEES 35" x 52"
- 1/2 - - - 7" x 3 1/2" x 47 BA (NR) - - -
- THRO' - UNDER BOW 10" x 3 1/2" x 55 BA (NR) - 30" x 46"
- 1/2 - - - 7" x 3 1/2" x 47 BA (NR) - 21" x 46"
FOR BEAMS AT ENDS OF DECKS SEE PROFILE
FOR HATCH END BEAMS SEE PROFILE

MAIN FRAMES 12" x 3 1/2" x 60 CH² 28' APART. 27' APART FOR 3/8 L.

CARRIED TO UPPER DECK.

MAIN FRAMES CARRIED TO BRIDGE DECK IN WAY OF
HATCH END BEAMS. ONLY.
FRAMES INCREASED '06" IN WAY OF BOILER ROOM
& PERMANENT BUNKER

FRAMES BETWEEN COLL BULK² AND 10% ABOARD
RULE POSITION OF SAME 15" x 4" x 4" x 3/8 CH² (NR)
WITH 4" x 4" x 66" REVERSE BARS. 37' APART.
REVERSE BARS TO LAP 18" ON TO BUTTS OUTSIDE
TANK & UPPER DECK BEAM KNEES.
PEAK FRAMES 7" x 3 1/2" x 48 BA (NR) 24' APART.
RIVS THRO' FRAMES & SHELL 7 DIAS APART.
5 1/2" DIAS APART IN PEAKS.

CENTRE BULK² '30" PER PROFILE
FOR SCANTLING OF STIFFERS
SEE PROFILE.

TANK TOP '42" TO '36" IN HOLDS.

150" IN ENG. RM. 50" IN BOILER RM.

ENG. BED PLATE 1.25" THICK

DOUBLE RIV. OVERLAP BUTTS IN HOLDS.

TREBLE - - - ENG & BOILER RM.

SEAMS SINGLE RIV. IN HOLDS.

- DOUBLE - - - ENG & BOILER RM.

56" BOILER RM. 15"
BRACKETS OUTSIDE TANK '46" FLANGED
SINGLE CONN² 6" x 6" x 42"
RIVS AS SHOWN & INCREASED 50%
BETWEEN COLL BULK² & 10% ABOARD
RULE POSITION OF SAME

MARGIN PLATE 3 1/2" x LAP x 50"
58" IN BOILER RM.
3 1/2" LAP x 50" AT AFT END.
TREBLE RIV. OVERLAP BUTTS.

CEILING 9" x 2 1/2" WHITE PINE LAID ON BATTENS
UNDER HATCHWAYS & EXTENDING
18" BEYOND. ALSO OVER BILGES.

CENTRE GIRDER 42 1/2" x 52" TO 42" (RUB)
OWNERS 48 1/2" x 46" TO 42" 56" BOILER RM.

TREBLE RIV. OVERLAP BUTTS.

TOP BARS 3 1/2" x 3 1/2" x 50" TO 48"

BOTTOM BARS 4" x 4" x 56" TO 52"

VERTICALS 3 1/2" x 3 1/2" x 42" SINGLE. 5" x 5" x 42" IN

ENG. RM. & UNDER THRUST BLOCK & 52" boiler room

RIVS THRO' VERTICALS 5 DIAS APART.

INTERCOSTAL GIRDER 38" x 48" BOILER RM.

VERTICALS 3" x 3" x 36"

TOP & BOTTOM ANGLES 3 1/2" x 3 1/2" x 42"

5" x 5" x 42" UNDER ENGINES & THRUST BLOCK.

CONN² OF FLOOR PLATE TO MARGIN
PLATE 6" x 3 1/2" x 42"
6" x 6" x 42" BETWEEN COLL BULK² &
10% ABOARD RULE POSITION OF SAME

CARGO BATTENS 6" x 2 1/2"
WHITE PINE. 9' APART.

FORGINGS
PROPELLER POST 10 1/2" x 7 1/2"
RUDDER POST 9" x 7 1/2"
STEM BAR 9 1/2" x 2 1/2"
RUDDER TO BE SUBMITTED.

OWNERS REQUIRE
TANK TOP TO BE STEEL OF IRON THICKNESS
UPPER BRIDGE & POOP DECKS WHERE
EXPOSED TO BE STEEL OF IRON THICKNESS
DOUBLE BOTTOM TO BE 6" DEEPER THAN RULE

FLOOR FRAMES 3 1/2" x 3 1/2" x 42"
REVERSE - - - DITTO.
SKELETON FLOOR - 6" x 3 1/2" x 30 BA (NR)
- REVERSES 5 1/2" x 5 1/2" x 30 BA (NR)
RIVS THRO' FRAMES & SHELL 7 DIAS APART

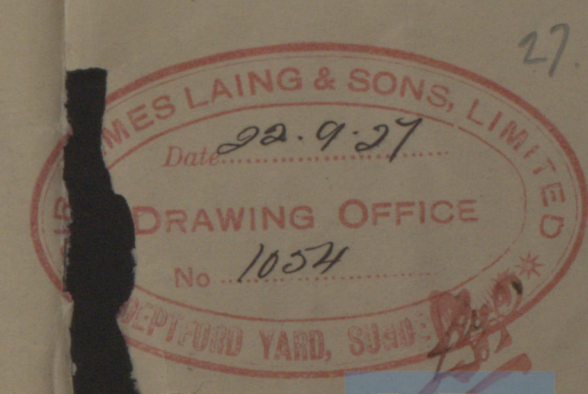
FLOOR FRAMES 5" x 5" x 42"
FOR 3/8 L.
RIVS SPACED 3 1/2" DIAS APART

KEEL 49" x 78" FOR 3/8 L TO 48" AT ENDS.
QUADRUPEL RIV. OVERLAP BUTTS
TO TREBLE AT ENDS.

BOTTOM SHELL TO UPPER TURN OF BILGE 60" TO 46"
TREBLE RIVETED OVERLAP BUTTS.
3 STRAKES NEXT TO KEEL TO HAVE MIDSHIP
THICKNESS MAINTAINED FORWARD TO RULE
POSITION OF COLLISION BULKHEAD.

MARGIN ANGLE
3 1/2" x 3 1/2" x 50"

BILGE KEEL
4" x 4" x 50 ANGLE
& 9" x 45 BULB PL



27.9.27

(1)
SUNDERLAND.

SIR JAS. LAING & SONS LD.

Nº 699.

MIDSHIP SECTION.



S. S. KIRKPOOL

SUNDERLAND RPT. NO. 29460

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