

HEATING SURFACE.

HEATING SURFACE IN 220 TUBES 3 1/2\"/>
--

LOWEST TENSILE STRENGTH OF SHELL PLATE 28 TONS PER SQ. INCH.

FLANGED PLATES	26
FURNACES	26
RIVETS	26
STAYS	28
STAY BOLTS	26

WORKING PRESSURE = 180 LBS./SQ. INCH. - TESTING PRESS. = 320 LBS./SQ. INCH.

LYON'S RULES. FORCED DRAUGHT.

RIVETING.

LONGITUDINAL SEAM.	CIRCUMFERENTIAL SEAM.
DOUBLE BUTTSTRAP - TRIPLE RIVETING.	DOUBLE RIVETING.
DIAM. OF RIVET HOLES	1 1/8
PITCH OF RIVETS	3 3/4
% OF PLATE	86.3
% - RIVETS.	85.2

HOLES ARE DRILLED IN PLATE AFTER BENDING. - HYDRAULIC RIVETING.

LIST OF STEEL STAYS.

MARK.	NO. OF.	DIAM.	LENGTH	POSITION.	WEIGHT.
T	10	2 1/2"	11'-2"	LONGITUDINAL STAYS	2250 LBS.
S	3	2 1/2"	11'-2"	"	450 -
W	15	1 1/2"	5'-6"	STAY BOLTS & BACK PLATE.	680 -
U	14	1 1/2"	5'-0"	STAY BOLTS - SIDE PLATE.	595 -
V	6	1 1/2"	5'-6"	STAY BOLTS - TOP PLATE.	235 -
U	22	1 1/2"	5'-6"	STAY BOLTS - BACK PLATE.	730 -

WEIGHTS.

WEIGHT OF PLATES	32725 LBS.
STAYS AND GIRDERS	5940 -
TUBES	8430 -
FURNACES	3760 -
TOTAL WEIGHT OF ONE BOILER	22,670 LBS.
WATER	130 -
ONE BOILER WITH WATER	36,070 LBS.

LIST OF STEEL TUBES.

NO. OF.	OUTSIDE DIAM.	THICKN.	LENGTH	NAME OF	WEIGHT.
182	2 1/2"	1/8"	7'-2"	COMM. TUBE	1660 LBS.
4	3 1/2"	1/8"	7'-2"	"	"
45	3 1/2"	1/8"	7'-2"	STAY TUBE	2700 -
2	3 1/2"	1/8"	7'-2"	"	"
20	3 1/2"	1/8"	7'-2"	"	1070 -
2	3 1/2"	1/8"	7'-2"	"	"

LIST OF STEEL PLATES.

MARK.	NO. OF.	LENGTH	WIDTH	THICKN.	POSITION.	WEIGHT
A	1	12'-2"	DIAM.	1"	FRONT END PLATE.	4780 LBS.
B	1	12'-3 1/2"	DIAM.	1"	BACK END PLATE.	4870 -
C	1	34'-10 1/2"	10'-8 1/4"	1 1/2"	SHELL PLATE.	14500 -
D	1	10'-8 1/2"	15 1/2"	1 1/2"	BUTTSTRAP.	550 -
E	1	9'-7 1/2"	15 1/2"	1 1/2"	BUTTSTRAP.	450 -
F	1	2'-8 1/2"	2'-4 1/2"	1 1/2"	HANDHOLE PLATE.	260 -
G	2	7'-4 1/2"	5'-3 3/4"	3/4"	TUBE PLATE.	2420 -
H	2	7'-3 3/4"	5'-3 3/4"	3/4"	BACK PLATE.	1980 -
J	2	15'-9"	2'-0 1/2"	3/4"	TOP PLATE.	1620 -
K	2	5'-0"	2'-0 1/2"	3/4"	BOTTOM PLATE.	620 -
L	4	2'-9"	18"	1"	BEARERS.	675 -

32725 LBS.

DONKEY BOILER - YARD 548

SCALE 1"=1'-0" - ENCL. MEAS.
BOILER NO. 1816 - 1817
2 OFF

AKTIESELSKABET
BURMEISTER & WAIN'S MASKIN- OG SKIBSBYGGERI
20-10-1927
B-K

AKTIESELSKABET
BURMEISTER & WAIN'S
MASKIN & SKIBSBYGGERI.
8'-9-1927. 35801 019

Plan of

DONKEY BOILERS

for the Twin Screw Motor Tank Vessel

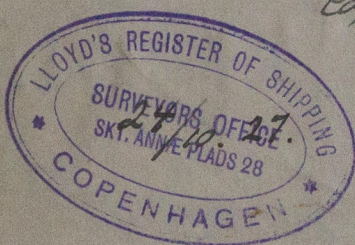
Yard N^o 548

being built by

Akt Burmeister & Wain's

Maskin og Skibsbyggeri.

Copenhagen.



M/S "HIDLEFJORD".

Opn. Dpt. N^o 7996.

RETAIN

© 2019

Lloyd's Register
Foundation

W400-0050