

T.S.M.S. STJERNEBORG. MIDSHIP SECTION. SCALE 1/2" = 1'-0"

- DIMENSIONS -

LENGTH BETWEEN PP 380'-0"
BREADTH MOULDED 53'-6"
DEPTH TO SECOND DECK 28'-0"
DEPTH TO UPPER DECK 36'-0"

TO CLASS LLOYDS 100 A 1" WITH FREEBOARD
DOUBLE BOTTOM ARRANGED TO CARRY WATER BALLAST AND OIL
FUEL BUNKERS. OIL FUEL OF FLASH POINT ABOVE 150° FAHR.

- SCANTLINGS NUMBERS -

D = 36
L x D = 380 x 36 = 13680
L x (B+D) = 380 x (53+36) = 34010
B = 10.55
D x (28.00 - 3.42) = 7.567
23.42 = 23'-11"

1 HATCH 29'3" x 20'-0" (5 WEBS 18" x 35") SIDE & END COAMINGS .44
4 HATCH 30'-0" x 20'-0" (5 WEBS 13" x 34") SIDE & END COAMINGS .44

2 1/2" WOOD COVER EXCEPT NO. 1 HATCH 3

Q 3" DIAM
6" x 4" 62 SINGLE
SIDE & END COAMING .44
3 1/2" x 3 1/2" x .50
ROUND OF BEAM 1 3/8" IN 53'-6"

BRACKETS ON EVERY SECOND BEAM

ROUND OF BEAM 1 3/8" IN 53'-6"

1 HATCH 29'3" x 20'-0" (5 WEBS 18" x 34") SIDE COAMINGS .50
3 HATCH 30'-0" x 20'-0" (5 WEBS 18" x 36") SIDE COAMINGS .50

2 1/2" WOOD COVERS
Q 3" DIAM
6" x 4" 62 SINGLE
ROUND OF BEAM 1 3/8" IN 53'-6"

DOUBLE STIFFENERS AT HATCH END BEAMS
BRACKETED TOP AND BOTTOM

LONGITUDINAL BULKHEAD
PLATING .30
TOP & BOTTOM ANGLES 3" x 3" x .40

- UPPER DECK -

LENGTH OF BEAMS	B = 50.5	3/8" x 33.07	1/2" x 25.25
PILLARS	ONE ROW	ONE ROW	ONE ROW
BEAM SPACING	EVERY FRAME	EVERY FRAME	EVERY FRAME
BEAMS FORWARD OF 1/2 L	9" x 3 1/2" x 58"	7" x 3 1/2" x 48"	6" x 3 1/2" x 52"
BRACKETS	27" x 43"	21" x 43"	18" x 43"
BEAMS	8 1/2" x 3 1/2" x 50"	6 1/2" x 3 1/2" x 50"	6" x 3 1/2" x 52"
BRACKETS	25" x 43"	19" x 43"	18" x 43"
HALF BEAMS	6 1/2" x 3 1/2" x 43"	SEE DECK PLAN SEE DECK PLAN	SEE DECK PLAN
BRACKETS	19" x 43"	SEE DECK PLAN SEE DECK PLAN	SEE DECK PLAN
HATCHWAY BEAMS	SEE PROFILE	SEE PROFILE	SEE PROFILE
STEINER PLATES	57" x 54" TO 38" x 42" AT ENDS	57" x 54" TO 38" x 42" AT ENDS	57" x 54" TO 38" x 42" AT ENDS
DECK PLATING	.42, WITHIN LINE OF HATCHES 32" AT ENDS 34"	.42, WITHIN LINE OF HATCHES 32" AT ENDS 34"	.42, WITHIN LINE OF HATCHES 32" AT ENDS 34"
STEINER ANGLES	5" x 5" x .54 TO 3 1/2" x 3 1/2" x .42 AT ENDS	5" x 5" x .54 TO 3 1/2" x 3 1/2" x .42 AT ENDS	5" x 5" x .54 TO 3 1/2" x 3 1/2" x .42 AT ENDS

- SECOND DECK -

LENGTH OF BEAMS	B = 52.33	3/8" x 35.0	1/2" x 26.17
CENTRE BULKHEAD	ONE ROW	ONE ROW	ONE ROW
BEAM SPACING	EVERY FRAME	EVERY FRAME	EVERY FRAME
BEAMS	10 1/2" x 3 1/2" x 58"	8" x 3" x 48"	6 1/2" x 3" x 48"
BRACKETS	3 1/2" x 46"	24" x 46"	19" x 46"
HALF BEAMS	8" x 3" x 40"	SEE DECK PLAN	SEE DECK PLAN
BRACKETS	24" x 46"	SEE DECK PLAN	SEE DECK PLAN
HATCHWAY BEAMS	SEE PROFILE	SEE PROFILE	SEE PROFILE
STEINER PLATES	47" x 40" TO 35" x 34" AT ENDS	47" x 40" TO 35" x 34" AT ENDS	47" x 40" TO 35" x 34" AT ENDS
DECK PLATING	.36, WITHIN LINE OF HATCHES 34" AT ENDS 30"	.36, WITHIN LINE OF HATCHES 34" AT ENDS 30"	.36, WITHIN LINE OF HATCHES 34" AT ENDS 30"
STEINER ANGLES	3 1/2" x 3 1/2" x .40 TO 3 1/2" x 3 1/2" x .34 AT ENDS	3 1/2" x 3 1/2" x .40 TO 3 1/2" x 3 1/2" x .34 AT ENDS	3 1/2" x 3 1/2" x .40 TO 3 1/2" x 3 1/2" x .34 AT ENDS
ANGLES INSIDE FRAMES	3" x 3" x .40 TO 3" x 3" x .34 AT ENDS	3" x 3" x .40 TO 3" x 3" x .34 AT ENDS	3" x 3" x .40 TO 3" x 3" x .34 AT ENDS

- DOUBLE BOTTOM PLATES -

CENTRE GIRDERS	1/2 LAND	AT ENDS	IN MOTOR ROOM	REMARKS
CENTRE GIRDERS	42" x 57"	44"	57"	
SIDE GIRDERS	40"	40"	40"	FLOORS SOLID IN MOTOR ROOM
FLOORS	40"	40"	40"	FORWARD OF 1/2 L UNDER
TANK TOP CENTER STRAKE	51" x 50"	42"	50"	W/BHD? AND ON EVERY THIRD FRAME IN HOLDS
REIN	42"	40"	50"	
MARGIN PLATE	30 1/2" x 50"	50"	50"	
FRAME BRACKETS	48"	48"	48"	
WATER TIGHT FLOORS .48	STIFFENED WITH 3 1/2" x 3 1/2" x .42" SPACED .30"			
APART				
CONTINUOUS GUSSET PLATE .40	FOR WHOLE LENGTH EXCEPT IN MOTOR ROOM (SEE PLAN)			
8" x 1/2" C/WETS				

- DOUBLE BOTTOM ANGLES -

CENTRE GIRDER BOTTOM	1/2 LAND	AT ENDS	IN MOTOR ROOM	REMARKS
PLATES 24" x 44	6" x 6" x .58"	8 1/2" x 57"	6" x 6" x .58"	SINGLE (DOUBLE FORWARD OF 3/4 L)
FACE BAR SINGLE 6 1/2" x 3 1/2" x .50	3 1/2" x 3 1/2" x .52"	3 1/2" x 3 1/2" x .48"	3 1/2" x 3 1/2" x .52"	DOUBLE THROUGHOUT
FRAME BAR 5 1/2" x 3 1/2" x .36	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	SINGLE BUT DOUBLE IN MOTOR ROOM UNDER THE HULL
SIDE GIRDER HORIZONTAL	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	
MARGIN PLATE BOTTOM	3 1/2" x 3 1/2" x .52"	3 1/2" x 3 1/2" x .52"	3 1/2" x 3 1/2" x .52"	SINGLE THROUGHOUT
VERTICAL OUTSIDE	6" x 6" x .42"	6" x 6" x .42"	6" x 6" x .42"	
INSIDE	6" x 3 1/2" x .42"	6" x 3 1/2" x .42"	6" x 3 1/2" x .42"	
FRAMES WHERE SOLID FLOOR	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	(DOUBLE FORWARD OF 3/4 L)
REV	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	3 1/2" x 3 1/2" x .42"	(DOUBLE IN MOTOR ROOM)
FRAMES	OPEN	9 1/2" x 3 1/2" x .44"	9 1/2" x 3 1/2" x .44"	SINGLE
REV		9" x 3 1/2" x .44"	9" x 3 1/2" x .44"	

- WEBS FRAMES IN MOTOR ROOM -

PLATES 24" x 44
FACE BAR SINGLE 6 1/2" x 3 1/2" x .50
FRAME BAR 5 1/2" x 3 1/2" x .36

STRAKE G

.57 FOR 1/2 L
TO 46" AT ENDS

STRAKE F

.57 FOR 1/2 L
TO 46" AT ENDS

STRAKE E

.57 FOR 1/2 L
TO 46" AT ENDS

STRAKE D

.57 FOR 1/2 L
TOP .48" AT ENDS

STRAKE C

.57 FOR 1/2 LAND FOR
TO 48" AT ENDS

STRAKE B

.57 FOR 1/2 LAND FOR
TO 48" AT ENDS

STRAKE A

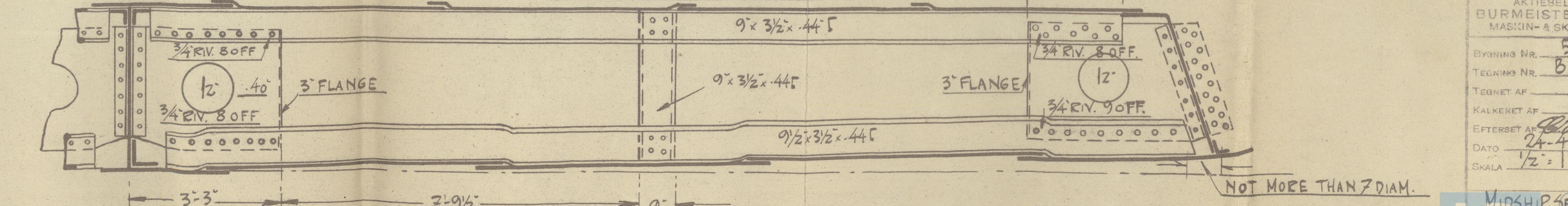
.57 FOR 1/2 LAND FOR
TO 48" AT ENDS

KEEL PLATE

51" x 75" FOR 3/4 L
TO 66" AT ENDS

PROPELLER BOSS PLATES .66"

- SKETCH OF OPEN FLOORS -



MIDSHIP SECTION 20

1929

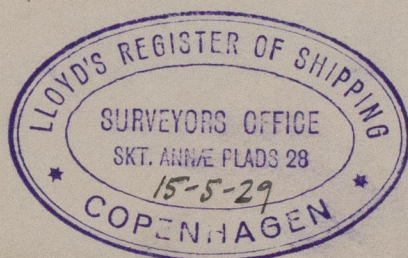
1/2" = 1'-0"

W 50-0043

Burneister & Wain,
Copenhagen,
Draw. No 557.

"Kongl." Cpn 7970.
ms. ^{ex} "STJERNEBORG"

Midship
Longitudinal Section.
as built,



W50-0043



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Foundation