

Lloyd's Register of Shipping.

Order: 15878

Post: 92/24

(Report on Vessel No. Port

No. 3280 SHIP FORGINGS OR CASTINGS.

I have to report that the undermentioned ~~Iron~~ Steel Forgings & Castings, manufactured by Messrs. Witkowitz Bergbau & Eisenh. Gew. of Witkowitz for the Vessel No. 45, being built by Messrs. Odense Staalskibsvaerft of Odense have been inspected by me as set forth below and found to be, so far as can be seen, 1 built up rudder with plate, sound and free from defects.

Report on Forgings & Castings.

Lloyd's

No. 4526

11163/64

Vienna, 10th November 1931

HK.3.11.31

1 rudder shaft

1 rudder spindle

rudder arms

~~STEEL FRAMES~~~~RUDDER FRAMES~~1 ~~STEEL~~ 1

Material*	...	Siemens Martin Ingot	Steel
made	...	forged	forged
annealed	...	annealed	annealed
Dimensions	...	265 Ø	365/297 Ø
Condition on Inspection	...	finished	finished
When Inspected	}	8.9; 26.9; 3.11.1931	
(CASTINGS)		No: 11163	No: 11164
Tests on Standard Test Pieces.			
Plate Test—		29.8	30.9
Tens. per square inch	...	31.6	34.2
Extension per cent. ...	...	180	degrees
Bending Test—			good
Angle before fracture	...	— — —	— — —
Test—			
Height from ground ...	...	— — —	— — —
Merger Test—			
made according to Rules and found satisfactory ...			

STATEMENTS OF FRAMES SHOWING POSITION AND DESCRIPTION OF DETAILS OF FORGINGS

ms, to sk. Tens.str.in t/sq": 31.2 with 36.8 % elong. (forged)

" " 30.6 " 36.5 " "

ts 75 Ø " 36.6 " 28.9 " "

Fee (if any chargeable) £ : :

To be paid at VIENNA

f of Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open Hearth process.

Lloyd's Register of Shipping.

Order: 15878

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(Report on Vessel No. _____ Port _____)

No. 3280

continued !

SHIP ~~FORGINGS OR~~ CASTINGS. & Roll.

I have to report that the undermentioned Iron or Steel Forgings or Castings, manufactured by _____

of _____ for the Vessel No. _____, being built by _____ of _____

have been inspected by me as set forth below and found to be, so far as can be seen, _____

on ~~Castings~~ & roll.

Lloyd's

No. 4526

11163/64

Vienna, 10th November 1931

HK.3.11.31

Hans Kolbow

Rudder arms

	1	STERN FRAME	1	1	RUDDER FRAME	1	1	SIEMX	1
Material*	...	Siemens	Martin	Steel	...	...	...	...	...
made	...	cast	cast	cast	...	...	...	...	...
annealed	...	annealed	annealed	annealed	...	...	...	...	...
ensions	...	360 1.0	359 1.0	179 1.0	362 1.0	359 1.0	357 1.0	...	...
ress on Inspection	...	finished	finished	finished	finished	finished	finished	finished	finished
when Inspected	...	13.8; 8.9; 3.11.31	19.8; 8.9; 3.11.31	...	...	...	...	...	...
CASTINGS.
s on Standard Test Pieces.
per square inch	...	30.7	30.3	30.3	29.8	29.4	29.4	...	...
ension per cent.	32.8	38.2	28.9	40.8	39.5	38.2	...	...
tending Test—	...	120	degrees	good	...	...	...	...	...
le before fracture	...	10'	10'	10'	...	...	...	...	...
ht from ground	10'	10'	10'	...	...	...	...	...
ering Test—	...	satisfactory	satisfactory	satisfactory	...	...	...	...	...
ade according to Rules
id found satisfactory

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS

ler plate 29mm, Tens.str.in Kg/mm ² :	42.2 with 28.0 % elong. (rolled)
" 15 1/4	" 45.8 " 25.0
" "	" 45.9 " 25.0
" "	" 45.6 " 25.0
" "	" 44.4 " 30.0

Bend tests good!

(if any chargeable) £ : :

To be paid at VIENNA

Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open-Hearth process.