

Built at *Copenhagen* By whom built *Danske Staalskibsvarft* Yard No. *23*
 Engines made at *Copenhagen* By whom made *Burmeister & Wain's Maskin* Engine No. *1240*
 Donkey Boilers made at *Copenhagen* By whom made *Marricks & Graham* Boiler No. *3687*

List of Spare Gear for the Machinery of
 the Single Sc. Motor vessel "TOLEDO" of Tønsberg.
 Odense Staalskibsvarft's Yard No. 23.
 Burmeister & Wain's engine No. 1240.

Cpn. Rpt. No. *326*

For the Main Engine.

- 1 cylinder cover
- 1 air inlet valve complete.
- 6 exhaust valves - " -
- 3 seats for do.
- 3 nuts for spindles.
- 3 oil fuel injection valves complete.
- 3 spindles for do.
- 3 mouth - pieces for do.
- 2 over flow - valve spindles.
- 1 starting air valve complete.
- 1 escape valve complete.
- 4 rollers with shafts for valve gear.
- 1 piston with rings.
- 12 piston packing rings.
- 3 - " - scrape -"-
- 2 packing rings for piston rod.
- 2/2 crank pin brasses.
- 2 crank pin bolts w. nuts.
- 2/2 crosshead brasses.
- 2 crosshead bolts w. nuts.
- 2/2 main bearing brasses of each size.
- 2 main bearing studs w. nuts.
- 1 set bolts w. nuts for guide shoe.
- 1 set studs w. nuts for cylinder cover.
- 1 set coupling bolts for crank shaft.
- 1 " " " " tunnel shafting.

36'-0" ft.

if not give

Water Capacity

Tons.
 57.0
 32.6
 119.6
 820.0

24
 5/6



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 012483-012492-002814

seamless, lap welded or riveted longitudinal joint *riveted* Material *S. M. steel* Range of tensile strength *sheet 28 1/2* Working pressure *26 1/2*

2.

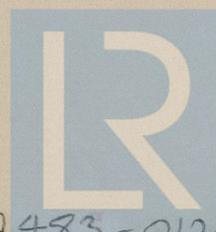
- 1 propeller shaft w. key and nut.
- 1 cast iron propeller.
- 1 telescope pipe w. packing for piston cooling.

For the Main Air Compressor.

- 1 set HP piston packing rings.
 - 1 " Ip " " "
 - 1 " LP " " "
 - 1/2 " HP suction valves.
 - 1/2 " " discharge "
 - 1/2 " IP -- " "
 - 1/2 " " suction " "
 - 1/2 " LP " " "
 - 1/2 " " discharge "
-
- 1 bilge pump suction valve .
 - 1 " " discharge valve.
 - 1 complete set of all springs used.
 - 1 " " " " working parts of oil fuel pump.
 - 1 length of each size of pipe w. cone & union for injection air.
 - 1 length of each size of pipe w. " & " " fuel oil.
 - 3 thermometers for cooling water.

For Auxiliary Diesel engines.

- 1 cylinder cover.
- 1 piston with packing- & scrape rings complete.
- 1 air inlet valve complete.
- 1 spindle for do.
- 1 exhaust valve complete.
- 2 spindles for do.
- 2 exhaust valve seats.
- 1 oil fuel injection valve complete.
- 1 spindle for do.
- 1 starting air valve complete.



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3.

- 2 rollers w. shafts for valve gear.
- 1 cylinder escape valve complete.
- 1 set piston packing rings.
- 2 crank pin bolts w. nuts.
- 2 main bearing studs w. nuts.
- 2/2 main bearing brasses.
- 2/2 trunk pin - " -
- 2/2 main bearing brasses.
- 1 set studs w. nuts for one cylinder cover .
- 1 set of all moving parts for fuel oil pump.
- 1 complete set of all springs used.

For Auxiliary air compressors.

- 1 set HP piston packing rings.
- 1 " IP " " "
- 1 " LP " " "
- 2/2 crank pin brasses.
- 3/8 " " bolts with nuts.
- 1/2 set LP & IP suction valves.
- 3 springs for do.
- 1/2 set LP & IP discharge valves.
- 3 springs for do.
- 1/2 set HP suction valves.
- 3 springs for do.
- 1/2 set HP discharge valves.
- 3 springs for do.

For Dynamos & Electromotors.

- 2 set of coal brushes for one dynamo and one electromotor of each size.
- 1/2 set of brushholders w. springs complete for one dynamo and one of each size.

Electric Light
 No. of cylinders
 between each crank
 used crude
 thickness parallel to
 thickness around eye
 as per Rules
 collars as fitted
 continuous liner
 of the liner made
 e liner
 non-corrosive
 other appliance
 9" cast
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 Sloped Surface
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 M. 40
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 thickness { 2 1/8
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 pressure by Rules
 thickness 1 1/4



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4.

For the Auxiliary Machinery.

- 1/2 set valves w. seats for bilge & sanitary pump.
 - 1 impeller shaft for cooling water pump.
 - 1 set cog wheels for lubricating oil pump.
 - 1 escape valve spring of each size used.
 - 1 set cog wheels w. shaft for oil fuel transfer pump.
 - 1 wing and 2 guide blocks for ballast pump.
 - 1 valve spindle of each size used for the air bottles.
 - 2 fuel oil filters.
 - 2 lubricating oil filters.
- Packing material and a number of assorted bolts w. nuts.

For the Donkey Boiler.

- 1 safety valve.
- 1 safety valve spring.
- 1 feed check valve.
- 1 atomizer for the oil burner.
- 1/2 set valves for the feed pump.
- 12 water gauge glasses.
- 24 packing rings for do.

Single or double
 6 No. of
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 012483-012492-002844
 Internal diameter 6 1/16
 shell 28 1/2
 rivets 26 1/2
 rivets 26 1/2
 Working pressure by Rul

24.

Seamless Tube, Mannesmann-Röhren-Werke,
(Walzwerk Rait)

2 tubes

Built at
Engines made
Donkey Boiler
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Calcutta Shipyard No. 23

Explosion Report No. 7326

FOR THE AUXILIARY MACHINERY.

2 set valves w. seats for bilge & auxiliary pump.
1 impeller shaft for cooling water pump.
1 set cog wheels for lubricating oil pump.
1 escape valve spring of each size used.
1 set cog wheels w. shaft for oil fuel transfer pump.
wing and 2 slide blocks for ballast pump.
valve spindle of each size used for the air bottles.
fuel oil filters.
lubricating oil filters.
packing material and a number of assorted bolts w. nuts.
the donkey roller.
safety valve.
safety valve spring.
lead check valve.
atomizer for the oil burner.
set valves for the lead pump.
water gauge glass.
24 packing rings for do.

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RECORD

When the F

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and Boiler

es only,

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Dates of Surveys
held while building

Total No. of Visits

24

Seamless, lap welded