

# *SS "GAASTERDINK"* *Report No 2*

## SPARE GEAR.

I Set of For each of 6 sets.

I Cast Iron Solid Propeller. (To be stowed on board).

I Escape Valve Spring of each size in Turbine Room other than for Turbines.

50 Iron Bolts and Nuts assorted, turned and fitted.

2 Non-return valves for each type of steam valve on boilers.

40 Water gauge glasses.

2 Springs for Boiler Safety Valves.

5 Bars round iron  $3/8"$ ,  $1/2"$ ,  $5/8"$ ,  $3/4"$ , and  $1"$  dia., each about 15'-0" long.

3 Bars flat iron  $1" \times \frac{1}{2}"$ ,  $1\frac{1}{2}" \times \frac{1}{2}"$ ,  $2\frac{1}{2}" \times \frac{1}{2}"$ , each about 15'-0" long.

### MAIN CIRCULATING PUMP:

I Impeller and spindle.  
I set of piston rings.

### MAIN AIR PUMP: (Suitable also for Aux. Feed Pump.)

I set of suction and delivery valves, guards and seats.  
I set of rings for steam piston.  
I set of rings for pump bucket.

### HOTWELL PUMP:

I Set of suction and delivery valves.  
I Set of rings for steam piston.  
I Set of rings for pump bucket.

### FRESH WATER PUMP:

I Set of suction and delivery valves.

### FORCED LUBRICATION OIL PUMPS:

I Set of suction and delivery valves.  
I Pump bucket and rod for one pump.

### AUXILIARY AIR AND CIRCULATING PUMPS:

I Set of suction and delivery valves for each pump.

### BALLAST PUMP:

I set of suction and delivery valves.

### BILGE PUMP:

I Set of suction and delivery valves.



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Gauge for testing truth of H.P. & L.P. 2nd  
Reduction Pinion  
Gauge for testing truth of H.P. 1st Reduction Pinion

I  
I

**SANITARY PUMP:**

I Set of suction and delivery valves.

**FEED FILTER:**

I Gunmetal filter chamber (R. & C.)

**REDUCING VALVES:**

I Diaphragm for each valve.

**OIL COOLER:**

5% Screw glands for tubes.  
5% Tubes.

**TRANSFER PUMP:**

I Set of delivery and suction group valves & seats.  
I Set of rings for steam piston

**OIL FUEL BURNING INSTALLATION:**

I Set of strainer bags for each suction strainer.  
I Set of strainer bags for each discharge strainer.  
I set of thermometers (i.e. one spare thermometer  
for each working thermometer).  
12 Burning bodies.  
12 Burner caps.  
4 Doz. burner nozzles.  
4 Doz. burner diaphragms.  
I Aux. oil heater with steam raising burners,  
thermometer holders and brass cased thermometer,  
also the necessary flexible tubing for connecting  
to the distributing valve boxes.  
I Set of firebrick quarls for air distributors (i.e.  
one spare quarl for every working quarl.

**Tools:-**

I Expander for heater tubes.  
I Tool for cleaning burners.  
I Set of spanners for oil fuel pumps.

	No. off.
Guide columns for H.P. Casing Cover	4
I. - I.P. -	4
- - L.P. -	4
Supporting columns for I.P. Casing Cover.	4
- - L.P. -	4
Guide brackets for H.P. Rotor	2 off complete
- - I.P. -	2 -
- - L.P. -	2 -
Tee bar lifting H.P. Casing Cover.	I.
Lifting brackets for I.P. Casing Cover.	2
- - L.P. -	2
Brackets for L.P. turbine guide columns	4
Bridge gauge for testing wear on H.P. Turbine Bushes	I
- - I.P. -	I
- - L.P. -	I
Pins for securing Bridge Gauges	6
Poker gauges for Bridge Gauge H.P. Turbine	2
- - I.P. -	2
- - L.P. -	2
Poker gauges for fore and aft position H.P. & L.P. Ioff H.P.	Ioff L.P.
Gauge for testing truth of H.P. Rotor.	I
- - I.P. -	I
- - L.P. -	I
- - main gear wheel shaft.	I

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Items

No. off.

Gauge for testing truth of H.P. & L.P. 2nd Reduction Pinion	1
Gauge for testing truth of H.P. 1st Reduction Pinion	1
Wear on H.P. - - - - -	1
L.P. - - - - -	1
H.P. & L.P. 2nd - - - - -	1
Pins for main bearing gauge	2
- pinion - - - - -	2
Dowel pins for Centre - - - - -	8
Safety liner for H.P. Turbine Bearing	2
- I.P. - - - - -	2
- L.P. - - - - -	2
H.P. 1st Reduction Pinion Bearings	2
- L.P. - - - - -	2
H.P. & L.P. 2nd Reduction Bearings.	2
- Main Gear Wheel Bearings.	2
Pins for safety liners. I.P. ahead and L.P. Astern	6
1" dia. wire rope slings.	4
1" - - - - -	2
I set of blading tools comprising:-	
Driving tool	1
Riveting tools	2
Caulking down tools for finishing plugs. (1 for each section).	26
Gear for water testing turbines.	3 sets of glands
Gauges for use with fore & aft poker gauges	H.P. I.P. & L.P.
	I off H.P.
	I off L.P.
H.P. Casing Horizontal Flange (see drawing)	5 Bolts
I.P. - - - - -	3 Bolts
L.P. - - - - - Ring key ( - - )	3 Ordinary I fitted Istud
H.P. Main Bearing Cover	2 - 3/4 dia. stud & Nuts
I.P. - - - - -	2 - 7/8 dia. - - -
L.P. - - - - -	2 - I 1/8 dia. - - -
H.P. & I.P. Turbine Blocks.	12 pads, 12 pivot pins
L.P. - - - - -	3 liners.
H.P. Turbine Main Bearing Bushes	8 pads, 8 pivot pins
I.P. - - - - -	3 liners.
L.P. - - - - -	2 Top halves & 2 Btm halves
I.P. Inter Ahead & Astern Diaphragm	2 - - - - 2 - -
H.P. Blading Material	2 - - - - 2 - -
I.P. & H.P. Astern Blading Material.	1 Carbon ring complete.
L.P. & L.P. - - - - -	5%
H.P. Turbine Glands (Aft)	5%
	5%
H.P. Turbine Glands (Forw)	(1 Carbon ring complete
I.P. Turbine Gladns	(rectangular)
L.P. Turbine Glands	(3 Carbon rings (angular)
Turbine escape valves	(4 Springs complete.
Main Condenser	1 Carbon ring complete
Main Thrust Block	(rectangular)
1st Reduction Pinion Bearing covers H.P. & I.P.	(2 Carbon rings (angular)
2nd - - - - -	(3 Springs complete.
Gear Wheel Bearing Cover	(5 Carbon rings complete
Horizontal Joint X X	(5 Springs complete.
	(4 Carbon rings complete
	(4 Ringgams Springs "
	4 Springs.
	160 Ferrules.
	6 Pads.
	4.1 I 1/8 dia studs & nuts
	2.1 3/8 - - -
	2 - I - - -
	1 - I - fitted bolt
	2 - I ordinary bolts.
	1 - I dia stud & nut
	2 Top halves & 2 Btm hvs
	2 - - - - 2 - -
	2 - - - - 2 - -
	2 - - - - 2 - -
	2 - - - - 2 - -

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