

No. 350.

BOOK OF WEIGHTS.

H. M. S. *Cerberus*

INSTRUCTIONS

To be strictly attended to in keeping this Register.

1. THE Engineer is to ascertain by personal examination, and to note at the beginning of the Register, the multiplying power of the Steelyard used in weighing the heavy pieces, together with the exact length of the Arms, and the weight of the Counter-balance; and if more than one Steelyard be used he is to be careful to note in the Register, against every article weighed by Steelyard, which of them was used in weighing it.

2. He is to divide the Register into seven distinct heads, and to enter under one or other of these heads the weights of all materials, of whatever description, put on board by the Contractor for the Engines during the time the Machinery is being fixed. These heads are:—

I. ENGINES.—This head to include all pipes between the Engines and the boilers, donkey engine, hand pump, and their connexions, and all platforms, floor-plates, ladders, and hand-rails belonging to the engines.

II. PADDLE WHEELS OR SCREW PROPELLER.—This head to include paddle shafts, paddle boards, and turning gear, or propeller hoisting gear, stern tube brackets and their fittings, propeller shafting from the coupling nearest to the engines, thrust and plummer blocks, and hand-rails and fittings in screw alley.

III. BOILERS.—This head to include all mountings attached to the boilers, funnel, waste steam pipe and hoisting gear, blow-off cocks and pipes, wood and felt for covering and mastic for bedding the boilers, and all floor-plates, stages and ladders in the stoke hole.

IV. WATER IN THE BOILERS.—And to state how ascertained.

V. COAL BOXES.—This head to include the shoots and deck plates, and the pipes for ascertaining the temperature.

VI. SPARE GEAR.—And to state where the principal parts are stowed.

VII. EXTRA WORK.—This head to include additional auxiliary engine, fire pumps and pipes, cupola with its fittings and tools, fan and its gearing, ventilating pipes between decks, cowls, air casing round the funnel and screens in the stoke hole, rails and trucks for trimming the coal, gearing for hoisting the ashes, stop valves and pipes for Grant's condensers, and all other work not usually supplied under the Contract for Engines.

3. He is also to insert daily in the Register the Ship's draught of water.

4. When the Register is complete the Engineer is to deliver it to the Chief Engineer of the Dock Yard; but if the Ship is not lying at one of H.M. Yards, he is to send it direct to the Office of the Controller of the Navy.

Note ^{Two cuts} 9th 10 of the weight shown against Coal Boxes has been already returned in weight of the Hull.

General Abstract of the Weights.

	Tons.	Cwts.	Qrs.	Lbs.
I. Engines	48	9	0	11
II. Paddle Wheels or Screw Propeller	19	15	0	5
III. Boilers	100	12	1	24
IV. Water in the Boilers	43	18	0	0
V. Coal Boxes	12	8	0	0
VI. Spare Gear	8	19	1	21
VII. Extra Work	9	11	1	23
Total	273	13	2	0
Scrap Iron and other Materials returned	3	5	3	4
Net Weight	270	7	2	24

Robt J. Wemyss Chief Engineer R.M.S. "Cerberus"
P. Thornton Master Supt. and Engineer
H. Canoso Engineer & Inspector of Machinery

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>1. 3 1/2 Kingston Valve & 1. 3 1/2 Improved Stop cock, 8 bolts and nuts for Donkey Engine Feed</p> <p>1. Round grating and 8 metal studs and nuts for do.</p> <p>1 Tee socket wrench</p> <p>1. 3 Kingston Valve & 1 in improved stop cock for hand pump section</p> <p>1 Round Metal, 3 Metal studs and nuts for do</p> <p>1, Tee socket wrench for do.</p> <p>4, 2 1/2 Bilge discharge Valves for Bilge pump -</p> <p>4, Metal discharge pipes to Cir- -culating pump with 3 branches</p> <p>4, 8 in Strain Valves for Air Pumps discharge -</p> <p>1, 5 in Bilge discharge Valve</p> <p>120 Metal bolts and nuts</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
							2	0	20						
									24						
									14						
							1	2	9						
									10						
									14						
									3	12					
									4	15					
							4	1	22						
							2	2	3						
									2	24					
							14	0	7	Carried forward					

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>20 Screws 4 studs and nuts Circulating Pump 1, 11 in Kingston Valve 1 do Steam Valve and one three way pipe for Injections 1, Round grating 14, Metal studs & nuts 1, 11 ⁱⁿ Kingston Valve, 1. do Blue Valve with 4 way ^{pipe} for Injection Pumping Section and one 5 in. Blue Valve for pumping section 1, Round grating 14 Metal studs and nuts for 2nd, 4, 3 in Blue Valves 24 Metal bolts and nuts for Injections 2, Intermediate Shafts, one upper part of Condensers and Seating 6, $\frac{3}{4}$ Studs, 12 nuts and 6 Split pins covers, bolts, studs, screws and nuts for fitting Complete</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
			<i>Port forward</i>					14	0	7					
									6						
								6	1	20					
								5	3	3					
									1	19					
								6	2	9					
										1	19				
								1	3	1					
								3	4	3	0				
								8	3	1	0			<i>Carried forward</i>	

Engines

No. 350.

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>1. Lower Condenser with foot & discharge Valves, covers, bolts and nuts for Starboard aft</p> <p>1, 8" 8" Starboard fore</p> <p>1. Cold Water Pump with foot & head Valves, covers, bolts and nuts, Starboard -</p> <p>1, 8" 8" Port -</p> <p>2, Feed Tanks</p> <p>1. Lower Condenser with foot and discharge Valves, covers, bolts & complete Tubes, pins, covers &c. Port Fore -</p> <p>1, 8" 8" Port Aft -</p> <p>1, 8" 8" Starboard aft -</p> <p>1. Condenser details same as previous for Port Forward</p> <p>1 8" 8" 8" for Port aft</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Boat for <u>ca</u></i>							8	3	1	0					
							1	17	1	14					
							1	17	1	14					
							1	14	3	14					
							1	14	3	14					
								19	1	0					
							3	7	3	0					
							3	7	3	0					
							3	7	3	0					
							1	17	1	14					
							1	17	1	14					
							30	5	0	0	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			1 Cylinder with metal main bearings & I. Paps, bolts and nuts for do. cover, bonnet - main & Eff. pan. Slide Sockets and covers, bolts studs, screws and nuts Complete Port forward 1, do do Aft 1, do do Starboard fore 1, do do Starboard Aft 4, Metal feed pumps, flanges, rods glands, studs and nuts split pins collars 8 bolts and nuts for fixing 4, Metal bilge pump valves boxes with valves, covers, crossbars, 4 Tee cut screws, 12 bolts and nuts 4 Injection locks with glands and screws 2 handles, 2 Levers, 24 bolts and nuts 2 locks, 2 handles and 8 screws on top of Condenser

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
							35	5	0	0					
							4	7	1	8					
							4	7	1	8					
							4	7	1	8					
							4	7	1	8					
								3	2	0					
								1	1	12					
								1	2	15					
							48	0	3	16				Carried forward	

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>2 Metal Tee pipes for Locks, 6 Copper pipes, 40 $\frac{7}{8}$ bolts and nuts for do. 2 Locks and handles for Starting Slides</p> <p>16 Metal studs and 4 nuts, 8 Copper pipes, 16 Metal nuts for Steam jackets</p> <p>4 Locks with 8 brackets 4 Cups nuts, 8 pipes 8 nuts</p> <p>28 Screws for Indicator 4 Metal studs</p> <p>4 levers 4 rods 4 brackets and 8 screws for do.</p> <p>2 Cast iron brackets and metal Index plates four handles for Starting slides, 4 Spindles 8 levers attached with washers and pins for do. and short & long rods for do. 4 In. Oil pipes for Slide Valve rods and Copper pipes and nuts for do. 4 Oil cups and 4 E.I. brackets and 8 screws for Connecting Rods —</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Strong Forw</i>							48	0	3	16					
						50		1	1	20					
						44			1	20					
						84			2	12					
						28		1	3	18					
						28			1	2	3				
							<hr/>								
							48	5	1	25	<i>Carried Forw</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>4, I. Pipes, 3 In. Studs and nuts for Exhaust Pipes 4, Water ^{locks} Pipes 4, C. Pipes with nuts on Condenser for Piston rods 10, Slifting Valves for Feed Pipe and Cold Water Pumps 10 I. Pipes with nuts for Piston and Pump Valves, 6 do. for Air Pump and Cold Water pump rods 4, Eccentric rods with Straps & pins bolts and nuts for Expansive Valves 1 I. adjusting Crank for working pump, 4 Screws for fixing, 1 spindle 4, Brasses, Collar Screws and nuts for do. 1, lever, 2 Connecting Rods with Brasses and 1 handle for do 8, In. nuts and 16 Screws for Connecting rods, 8, Eccentric rods & Straps with pins bolts and bolts and nuts complete for Slide Valves</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Among the first</i>							48	5	1	25					
						12				9					
						8				10					
						10				6					
						16				8					
						4		1	3	1					
						18		1	0	12					
						24				14					
						8		6	3	4					

48 15 2 25 *carried forward*

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>4. W. I. brackets and 4 ²/₂ screws for Indicator</p> <p>8. L. I. relief Valves and Boxes with covers</p> <p>14 ¹/₂ bolts and nuts 8 M. Valves & Spindles</p> <p>8 M. Crossheads, 8 W. I. handles and pins</p> <p>32 ¹/₂ screws for fitting complete</p> <p>8. 2 ¹/₄ 2 ¹/₄ with 8 Valves metal and Spindles</p> <p>16 ³/₄ collar studs, 40 nuts & steel springs</p> <p>for Cylinder Cover complete</p> <p>16. M. covers for main bearings</p> <p>4. Connecting rods with 8 cups 16 half</p> <p>brass 16 2 ³/₄, 32 ¹/₈ set screws 4 W. I</p> <p>Piston rods crossheads with 8 metal</p> <p>guide blocks 16 ¹/₂ bolts 32 nuts</p> <p>32 Split Pins complete</p> <p>4. W. I. Links 4 metal blocks 16 ¹/₈ screws</p> <p>4 W. I. brackets 16 ¹/₈ nuts and bolts</p> <p>8. M. bushes 8 ¹/₂ set screws</p> <p>4 Washers and split pins</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>						8	4	15	2	25					
									4						
								2	0	1					
						96		1	1	11					
						16		"	"	7					
						4		16	3	16					
						4		3	1	12					
								<u>51</u>	7	1	0			<i>Carried forward</i>	

Draught of Water.

Date:

Forward:

Aft.

Name of Articles.

Ft. In.

Ft. In.

4 M. Slide rods & crossheads, 4 W. I. pins

4 $\frac{1}{2}$ lb. Screws & Keeps and

8 Small screws

4 M. Brackets, 8 W. I. Keys, 8 Nuts and
washers and 8 split on Piston rods

for Air Pumps

4, guide braces & 1, studs and nuts

3. Keys on air pump for Piston rods

4, Metal Expansion slide Valves

4, Stuffing Boxes & M. Glands and rings

16 $\frac{3}{8}$ screws & 4 studs 16 Nuts, 8 split

pins for Air pumps

2 Air. 2, Metal Glands and rings & $\frac{3}{8}$ screws4 $\frac{3}{4}$ studs and nuts and split pins for

Cold Water pumps

4 Air pump rods M. Plungers & Metal

See, 4 W. I. nuts and 4 loose rollers

Complete

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	Lbs.	Cwt.	Qrs.	Lbs.		Tons.	Cwt.	Qrs.	Lbs.		Tons.	Cwt.	Qrs.	Lbs.
<i>Brought forward</i>							51	7	1	0					
						4		2	0	24					
								3	2	0					
						4			3	4					
						4		1	2	8					
						4		1	1	5					
						2			2	15					
						4		5	3	16					
							<hr/>								
							52	3	0	16	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>2 Cold W. = pump rods 3/4 m. Flanges 2 m. a/c</p> <p>2 W. I. nuts 2 Joints and 4 1/2 screws</p> <p>8 C. I. piston Rod Glands and in bushes and rings 16 m. Worm Wheels and brackets</p> <p>8 W. I. Worm spindles and bolts & nuts complete</p> <p>8 main Slide rods 16 nuts 8 metal nuts and 8 set of Screws</p> <p>8 Metal Glands 16 1/4 studs 32 nuts 16 split pins for do</p> <p>4 W. I. rods 8 metal bushes 8 1/2 set screws for lifting Crank</p> <p>24, Spiral Springs for relief Valves</p> <p>4 starting slide jackets 4 W. I. slide rods 20 1/8 and 1/2 studs and nuts, 2 W. I. rods and bolts 8 large pins, 6 washers</p> <p>8 split pins 4 C. I. guide brackets 8 1/4 bolts and nuts for balance weights</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>							5	2	0	16					
						2		2	0	22					
						8		2	3	22					
						8		1	3	24					
						8			2	0					
						20			1	12					
						24				5					
								1	1	5					
							5	2	1	18	<i>Carried forward</i>				

Draught of Water.

Date.

Forward.

Aft.

Name of Articles.

Ft. In.

Ft. In.

4. Cyflanc. slide rods 4 M bushes and
 8 M. nuts, 8 split pins 4 ⁱⁿ 1/2 Mt screws
 4 M. glands 8 7/8 studs 16 nuts and pins
 4 C. I. brackets 16 ⁱⁿ 3/4 bolts and nuts for Cyls and
 12 M. Drain cocks for cylinder jackets
 4 W. I. levers 4 pins and washer, split
 pins, 2 brackets and 4 ⁱⁿ 3/4 screws and 2 pins
 2 W. I. C. W. pump rods 2 nuts 6 C. I.
 Lubricators 6 M links 18 metal covers
 12 ⁱⁿ 7/8 screws.
 4 M. Worm wheels 2 M brackets and
 8 screws on cylinder, 2 C. I. stuffing
 boxes and metal glands, 2 W. I.
 spindles, 2 M. wheels 2 Worm spindles
 with C. I. worm

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Boort = Forward</i>							52	12	1	18					
						4			2	12					
						4				18					
						4			3	13					
						12				20					
						4				17					
						2				18					
						4			3	0					
							52	14	3	4	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>2 M. Wheels 2 C. I. brackets 4 ⁱⁿ/₈ screws 2 plunger blocks, set screws and disc washer for reversing gear 4 sets of adjusting links with M. bushes pins, screws, nuts, and handles for Cyls and slide complete 24 M. packing rings 16 ⁱⁿ/₈ screws for connecting rods 2 socket spindles 2 hand wheels 2 ⁱⁿ/₂ screws for stem of valves 6 keys for turning wheels 2 C. I. sockets and brackets with caps, studs, screws bolts and nuts for working gear shaft 2 W. Iron rods and M. Linder plates 1 bracket with studs and screws for injection Hand wheels for reversing gear 2 W. I. brackets 8 ⁱⁿ/₄ bolts and nuts for platform</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>							5	2	14	3	4				
									2	0	0				
						4		1	1	9					
						24					8				
									2	4					
						6					24				
								2	1	12					
											18				
								1	0	6					
										1	4				
							5	3	2	3	8	<i>Carried forward</i>			

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			4 Feed pump Valve boxes, with metal Valves and spindles, and glands, 4 Air Vessel Covers bolts and studs & screws and nuts 2 Sets of Cold W. pump pipes & metal Lubricators, 12 M. Locks with unions & W. S brackets and screws Complete 24 Spiral springs for Tides Valves 8.2.9 Main Steam 10.1.13½ " " 11.1.13½ " " 13.1.8 " " 16.1.8 " " 17.2.8 " " 19.1.9½ " " 20.1.8 " " 27.1.4 Waste Steam 29.1.8½ See " 34.2.3 Feed 36.2.3 "

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>							53	2	3	8					
						4		8	0	16					
						2		1	0	10					
						24				3					
								1	3	6					
								2	2	24					
								3	0	24					
								4	2	12					
								2	0	6					
								1	1	20					
								1	0	26					
								1	1	25					
									1	18					
									2	15					
								1	0	18					
									2	4					
							54	13	0	16	<i>Carried forward</i>				

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					2 M. union joints for W. J. bulkhead 10 bolts and nuts and 2 Engine counters 1 Drain Cock and union 1 ⁱⁿ 1 1/2 " " with L. Stud 4 W. J. framings for M. case also 4 Brass scavalls and strainers 4. 9 1/2 feet S. bends with sockets and glands for discharge pipes 1. Deck plate for deck washing apparatus 1. Goose neck pipe for do 1 Branch " " " 80. 2. 3 in Injection Pipes 93. 1. 2 1/4 Pipe to Separator 8. Flanges for exhaust pipes 1. 3 ⁱⁿ Improved Cock 10. 7 iron bolts and nuts

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>							54	13	0	16					
										18					
						2			1	6					
										1/4					
						1				1/2					
						4	2	3	6						
						4			2	11					
						4	4	1	0						
						1				15					
						1				11					
						1				5					
						2			2	20					
						1			1	14					
						8			1	7					
						1			2	0					
							55	3	1	18				<i>Carried forward</i>	

Engines

No. 350.

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			38. 1. 3 ⁱⁿ Feed
			39. 1. 3 " "
			48. 1. 1 ³ / ₄
			50. 1. 3 ¹ / ₂ Donkey Suction
			56. 1. 1 ¹ / ₂ Feed
			57. 1. ¹ / ₂ " "
			59. 1. 3 Hand Pump
			60. 1. 3 " "
			63. 1. 2 ¹ / ₂
			78. 2. 11 Discharge
			79. 2. 11 " "
			84. 2. 3 Injections
			87. 4. 2 ¹ / ₂ Bilge
			90. 1. 5 " Pumping
			93. 4. 10 Water Suction
			4. Forehead guides with bolts and nuts
			4 I. I. Education pipes 4 8. ⁱⁿ ⁷ / ₈ bolts and nuts
			4 W. I. Ladders

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brought forward</i>							5	5	3	1	18				
									2	10					
									2	6					
									1	16					
								1	0	3					
									1	2					
									1	0					
									1	16					
									1	2					
										26					
								3	1	16					
								3	3	18					
								1	0	4					
								1	1	7					
									1	22					
								4	0	8					
							1	12	3	12					
								7	2	16					
								1	0	8					
							58	3	0	16					<i>Carried forward</i>

Draught of Water.

Date.

Forward.

Aft.

Name of Articles.

Ft. In.

Ft. In.

6, C. I. distance pieces 54, 1 ⁱⁿ bolts and nuts
 for Cylinders, Condenser and C. W. Pump
 2, Platforms with figured plates
 8, Piston rods & 16 nuts
 4, W. I. brackets on do. for feed Pumps
 8-5/8 set screws and keys for do
 2, Worm spindles with metal with
 M. Worm for turning Engines
 2, Long rods, 4 levers, 6 C. I. brackets
 2, handles for drain cocks on Cylinders
 4, Rods for hand rail on Platform
 6, C. I. pieces and 4, 1 in bolts and nuts
 for Cylinders
 2, Figured pieces of Platform
 4, Mt. pieces for starting slide
 packing. 1 M. screw for Eccentric
 strap

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Carried forward</i>							58	3	0	16					
						6		7	2	24					
						2		3	3	24					
							1	4	3	0					
							4	0	1	11					
														2	
						2		4	0	18					
						14			2	17					
						4			3	2					
						2				25					
						2		1	0	24					
						5				1					
							60	6	3	24	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			4 Main Slide Valves
			8 Steel Springs for do.
			4 Metal Compensation rings for do.
			120, $\frac{7}{8}$ Metal bolts and nuts $1\frac{3}{4}$ to 2 in long
			50 $\frac{3}{4}$ " " 2 $\frac{1}{4}$ "
			84 $\frac{3}{4}$ " " 2 "
			200. $\frac{5}{8}$ " " 1 $\frac{3}{4}$ to 2 "
			36, $\frac{1}{2}$ Copper " 1 $\frac{1}{2}$ "
			2 Copper overflow for fuel tanks
			2, Iron guards, with Water gauges for do.
			2, Pistons Complete
			3, 8in. Chuck off Valve covers
			2, 5 $\frac{3}{4}$ " " " "
			2, 2 $\frac{1}{2}$ in Biley pump boxes for hand
			pump section 20 Iron bolts and nuts
			2 Metal branch pipes for main fuel a,
			1 " " " " b.
			1 " " " " c.
			1 " " " " d.
			1 " " " Donkey fuel

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Port forward</i>						1	6	2	13	2	3				
						1					18				
						1					19				
						1					24				
						1					24				
						1					28				
						1	1	8	3	25					
						1	1	8	3	25					
						1		6	2	0					
						9		1	0	26					
						14		1	1	22					
								1	0	9					
								1	0	0					
									3	17					
									2	11					
									2	9					
								1	2	7					
								6	0	15					
								5	0	14					
							6	6	18	2	12	<i>Carried forward</i>			

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			2 Truck off with M. Valves, Spindles, Glands, Covers, brackets, levers, bolts and nuts complete
			" " " "
			1 Hand Pump
			2 Cast-I. brackets with, slides, screws & for worm spindle -
			1 Ratchet and handle for do -
			20 Eye screws assorted
			130 $\frac{7}{8}$ bolts and nuts 2 in long
			120 Collar screws and nuts
			144 $\frac{3}{8}$ in studs and guide screws
			36 $\frac{7}{8}$ in screws $1\frac{1}{4}$ long
			144 $\frac{1}{2}$ in " "
			72 $\frac{3}{8}$ bolts and nuts $1\frac{1}{4}$ long
			2 Pistons complete
			4 Sets of Eccentric sheaves for main and Expansion slides
			4 Metal Valve boxes levers and pins for fuel tank

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Bar = forward</i>							66	18	2	12					
						2		8	1	16					
						1		3	1	25					
						2		2	1	6					
						1			3	4					
						20				22					
						130			1	16					
						120			1	7					
						144				7					
						36				8					
						144				16					
						72				6					
						2	1	5	2	0					
						4		4	3	6					
						4			2	18					
							69	5	3	1	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>4, Copper floats M. rods, nuts, 4 Keys and 12 pins for feed tank</p> <p>4, Metal Water gauge cocks, 4 M. locks and valves, Drain locks, Lamps, locknut rods with handles and brackets for do -</p> <p>4 Iron brackets for platform on do -</p> <p>2 Worm wheels with screws for turning Engines</p> <p>4 Cast. I. lubricators and 4 M. locks and screws</p> <p>2 1/2, Nonreturn Valves for donkey feed</p> <p>3, 2 in, " " " "</p> <p>3-2 1/4 in " Feed</p> <p>1- 3 in hand Pump and metal box for cavalls</p> <p>1- 2 1/4 in Shut of Valve box for Separator</p> <p>5, Steam and Vacuum gauges and 4 patent Oil cups</p> <p>1. 10 in Donkey Engine for feed</p> <p>1. Set of glass gauges for Separator</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brts forward</i>							6	5	3	1					
						8			1	3					
						14			2	0					
						4				20					
						12	1	7	0	0					
						4			1	7					
						2				27					
						3			1	20					
						3			2	27					
						1			2	8					
						1			1	3					
						9			3	24					
						1	1	4	0	25					
						1				13					
							7	1	3	2	10	<i>Carried forward</i>			

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			Wood Work for Engines
			46, 7/8 Metal Corros- and 32 3/4 in do -
			2, Working gear shafts with 2 Cast Iron
			quadralts, 4 levers, 4 Pins & Washers 4 Pins -
			split 4 C.I. Blocks and 7/8 bolts -
			2, long rods, bearings, handles, collars to the
			Washers, Cast Iron Bolt Enjections
			7. 2. 9 Main Steam pipe
			12. 1. 19 Lee
			15. 1. 11 "
			18. 1. 11 "
			36. 2. 3 Feed
			44. 1. 2 1/4 "
			45. 1. 2 1/4 "
			46. 1. 2 1/4 "
			47. 1. 1 3/4 "
			49. 1. 3 1/2 " Donkey
			53. 1. 2

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Over-Forward</i>							71	3	2	10					
								9	0	0					
						78				17					
						2		5	0	10					
						2		1	2	24					
								3	2	21					
								2	1	17					
								1	1	21					
								2	0	21					
								1	0	16					
									1	16					
									1	15					
									1	25					
									1	16					
									2	24					
									1	22					
							72	13	0	23	<i>Carried forward</i>				

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					6. $\frac{7}{8}$ in Iron bolts and nuts
					60, $\frac{1}{2}$ - " " "
					2. 5in Metal nonreturn Valves for bilge suction
					1 Iron Lu wrench
					9. " Wrenches
					76, $\frac{1}{8}$ in bolts and nuts
					16 " screws
					9 Copper flanges -
					300 Feeder screws
					100 $\frac{7}{8}$ in bolts and nuts
					3. 6in Cast I. sockets and glands
					2. 5in branches and 40 $\frac{3}{8}$ Q. rivets
					1- 3in Pipe for hand pump
					5- 2 $\frac{1}{2}$ in Non return Valves
					2. Cast I. brackets for turning ^{Engines} gear
					30. $\frac{1}{2}$ in Iron bolts and nuts
					4 8 $\frac{3}{4}$ in " " "
					6 Springs for feed Valve boxes
					1- 3in deck pipe flanges -
					77-4- 9 $\frac{1}{2}$ - Q. W- Section pipes

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Boots forward</i>							73	18	3	2					
						6				5					
						60				10					
						2		1	1	2					
						1				7					
						9				6					
						76		1	2	11					
						16				3					
						9				13					
						300				14					
						10				3	10				
						3		1	0	16					
						2				6					
						1				1					
						5		1	0	16					
						2				0					
						30				5					
						48				12					
						6				4					
						1				2					
						77		0	0	15					
						74	10	2	11	<i>Carried forward</i>					

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
				80. 2. 3 in Injector Pipes	
				93. 1. 2 1/4 in pipes to separator	
				1. 3 in stop cock 10 7/8 in bolts and nuts	
				48. Metal distance pins for connecting rods	
				3. 1 1/4 in Plug Screws -	
				2. 8 ft. lengths 2 1/2 copper pipe	
				7. 5 ft. " " "	
				1-3 " " "	
				1-8 " " "	
				1, 3 1/2, in " "	
				25 Flanges	
				8 Copper flanges	
				1. 1 1/4 in Metal Stud	
				76. 3. 8 discharge pipes	
				5. 4 drip pipes	
				3 to 1/2 Metal bolts and nuts	
				Copper wire	
				48. 3/4 bolts and nuts Iron	
				200 5/8 " " "	

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Carried forward</i>							74	10	2	11					
						80			2	20					
									1	14					
						1			2	0					
						48				4					
						3				3					
									3	3	24				
						25			3	6					
						8			1	6					
						1				1					
						76		4	3	7					
						5		1	0	22					
						36				7					
										1					
						48				27					
						200			2	11					
							75	4	0	24	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			72. $\frac{1}{2}$ in Iron bolts and nuts
			40. $\frac{3}{4}$ in screws
			6. Bales of felt
			1. $\frac{3}{4}$ branch
			7. $2\frac{1}{2}$ Bilge sections and 14 flanges
			76. 1.8 in Discharge pipe
			8. $\frac{5}{8}$ Jacket pipes flanges and Washers
			4. $1\frac{1}{4}$ Water pipes, flanges and brading
			4. $2\frac{1}{4}$ in Bilge suction pipes
			1. 3 in Overflow pipe
			2. flanges and 30 rivets
			2. $1\frac{1}{4}$ Locks for bearings 10 $\frac{1}{2}$ Iron bolts and nuts for do -
			1. $1\frac{3}{4}$ Donkey Steam pipe
			1. $\frac{5}{8}$ Jacket " "
			2 flanges and brading
			24. M. distam pieces for connecting rods
			Patent packing

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.

Boots Irons

						75	4	0	24				
					72				12				
					40				15				
					6		7	3	0				
					1				3				
					7		4	3	4				
					76		1	2	4				
					8			2	1				
					4			1	23				
					4		2	2	22				
					1			1	14				
					2				10				
					2				16				
					1				22				
					1				4				
					2				4				
					24				7				
								1	18				

76 2 2 7 *Carriage Irons*

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	

14 Drain pipes

2 7^{in} pipes for feed tank

4-7 $^{\text{in}}$ Flanges

4 $2\frac{1}{2}^{\text{in}}$ Lead pipes for bilge suction.

12 Copper drain pipes

50 $5\frac{1}{8}^{\text{in}}$ screws 50 $3\frac{3}{4}$

5-5 $^{\text{in}}$ Bilge suction pipes

2-3 $^{\text{in}}$ pipes to feed tank

2-3 $\frac{1}{2}$ Copper brass

2-5 " " 4 screws

6- $\frac{3}{4}$ screws for fixing deck plates

1-5 $^{\text{in}}$ Bilge Suction

1-2 Donkey Exhaust and

2-5 $\frac{1}{2}$ $^{\text{in}}$ flanges

3-1 $^{\text{in}}$ Water pipes - 12 flanges

and brading

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Brook forward</i>							76	2	2	7					
						14				10					
						2				1 1/2					
						4				18 1/2					
						4				1 25					
						12				18					
										2 16					
						5		3	1	11					
						2				2 15					
						2				2 17					
						6		1	2	21					
						6				3					
						1				2 16					
						5				27					
										1 15					
							76	11	3	24	<i>Carried forward</i>				

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					1. $1\frac{1}{2}$ Lock $8\frac{1}{2}$ bolts and nuts
					1 " " for Separator
					$1\frac{1}{4}$ in for donkey
					2 $\frac{1}{2}$ in Drain cocks
					2 - 1 in Branches
					2 $1\frac{1}{2}$ Drain pipes
					2. $4\frac{1}{2}$ in flanges
					2 Copper studs
					1 - $2\frac{1}{4}$ in Drain pipe to tank
					2 - $\frac{1}{2}$ in Water pipes
					2 locket glands for bulkhead
					$\frac{1}{4}$ Rivets
					1 - 5 in Tee donkey & haub
					2 - Flanges
					40, $\frac{7}{8}$ Iron bolts and nuts
					40 - $\frac{3}{4}$ " " " "
					50 $\frac{7}{8}$ " " " "
					100 $\frac{7}{8}$ Screws
					50 Metal bolts and nuts
					1 - 6 in Lead section and metal flange

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<u>Port forward</u>							76	11	3	24					
						1				13					
						1				2					
						1				1					
						2				3					
						2				3					
						2				13 1/4					
						2				3 1/2					
						2				1					
						1				9 1/4					
						2				2					
						2				2 1/4					
										1 0					
						1				1 24					
						2				4					
						40				13					
						40				22					
						50				1 0					
						100				22					
						50				18					
						1				17					
							76	15	0	15	<u>Carried forward</u>				

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					24 Tenus pressure gauges
					3. 5in Lead suction pipes with M. flanges &c
					2. 4. Copper air pipes to tanks
					1. 4 1/2 in " Exhaust " "
					15 in " " "
					100, 3/8 in bolts and nuts iron -
					100, 5/8 " " " "
					100, 3/4 in fender screws
					1, 1/2 Drain Pipe
					1. 1 in Torack
					1- 1/2 in Draw Lock and stud
					1- 5/8 in " Pipe
					1. Engine Room Saddle
					2 Brass pedestals and caps
					2 Mahogany blocks for do.
					10 Metal bolts and nuts to fit do.
					2 Iron spindles with brass handles
					4, brass Lamps for do

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Port forward</i>							76	15	0	15					
						24				1/4					
						2		2	1	18					
						2		1	2	20					
						1		1	0	10					
						1		1	0	14					
						100				8					
						100			1	6					
						100				5					
						1				1					
						1				2					
						1				3					
						1				5					
						1		1	2	26					
						2		1	0	6					
						2				12					
						10				6					
						2				18					
						4				6					
							77	6	0	13	<i>Jamaica forward</i>				

Draught of Water.

Date.

Forward.

Aft.

Name of Articles.

Ft. In.

Ft. In.

2. Dials with W. I. brackets
 8, Metal bolts and nuts
 24, Iron " "
 2 Square Mahogany blocks
 2 Engine Counters
 1, Drain cock and union
 1, $\frac{1}{2}$ in with copper stud
 W. I. form frames for Metal coversalls
 4, Brass strainers and coversalls
 2, Stanchions for handrail, bolts & nuts
 2, pieces of handrail
 2, sets of Indicator gear levers for
 Counter attached
 2, double sockets and glands for bulkhead
 2, single do do do
 4, lubricators and pipes for fuel pumps
 1, Stanchion
 1, piece of handrail

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Bar iron</i>							77	6	0	13					
						2		1	2	22					
						8				4					
						24				8					
						2				16					
						2				18					
						1				$\frac{1}{4}$					
						1				$\frac{1}{2}$					
								2	3	6					
						4			2	11					
						2				21					
						2				1					
						2				9					
						2	2	0	4						
						4				5					
						1				8					
						1				4					
							77	14	0	21	<i>Carriage iron</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			2. 2½ in lead pipes with m. flanges for hand pump suction
			4. Brass cavalls and strainers
			2. 1¼ Discharge pipes and 3 flanges
			6. 1 in and 1.1½ in branches
			13. 1 in Copper pipes and 36 flanges for cavalls
			1. 1¼ " " " "
			5 Lamps for Vacuum gauge
			2 m. Lamps for Telegraph
			1. 1 in Drain cock
			1 3/8 " "
			Copper wire
			Mercury
			2 Standards
			4 Pieces hand-rail - 8 pieces tube
			30. ½ screws
			5 Lamp brackets 3 holders
			4. ½ in Drain cocks

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Port forward</i>							77	14	0	21					
						2				24					
						4		1	0	1					
						2			1	10					
						7				9					
						13		1	1	1					
						1				19					
						5				10					
						2				6					
						1				3					
						1				1					
										1					
										8					
						2			1	24					
						38				4					
						8				8					
						4				6					
							77	18	0	15	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			30-5/8 in Metal Screws
			16 1/2 " " "
			1 Lifting Chackle
			1/4 Rivets
			1 1/2 Drain Cock
			Water-pipes and Joints for Cylinder Crossheads
			8 Spare Glasses for lubricators
			8 brass cavalls 2 Joints and brackets
			5 High Temperature Thermometers
			1 Metal name Plate and 3 screws
			57 Pieces brass band for steam pipe
			1 Wrought I. bracket with 1/2 in. bushes
			6 in. Dk plates and 18 wood screws
			4 Iron brackets and screws 1 Chackle
			56 brass ends with iron bolts and nuts for steam pipes
			8 1/2 in Iron screws
			2 Lamp holders
			1 Lifting Valve

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Boat forward</i>							77	18	0	15					
						30				5					
						16				2					
						1				14					
										1	6				
										5					
										13					
						8				1					
						2				11					
						5				10					
						1				11					
						57				3	27				
						1				8					
						6				1	15				
						5				16					
						56				14					
						2				10					
						2				2					
						8				1					
							78	0	3	18	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	

1 $\frac{7}{8}$ inch 2 feet brass wire
 4 Brass valves
 8.1 in pipe and 10 unions for do
 1.8 in discharge pipe
 4. $\frac{1}{4}$ Water pipes & flanges & washers
 8. $\frac{5}{8}$ Pipes and gauges and washers
 4. $2\frac{1}{2}$ in " for bilge sections
 2. $2\frac{1}{2}$ in Valves for hand pumps & 2 Le wrenches
 3.1 in Whistle pipes & flanges and leading
 100. $\frac{1}{2}$ in bolts and nuts
 50 $\frac{1}{2}$ in Screws
 92.1. $2\frac{1}{4}$ in pipe to separator
 7.1 in stop cocks to oil pumps
 36. India Rubber rings
 176 $\frac{3}{4}$ bolts and nuts iron
 1 Le wrench for St. Plate
 16 $\frac{5}{8}$ in bolts and nuts iron

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Moat Iron</i>							78	0	3	18					
						3				1					
						4				1	1				
						8					15				
						1		1	2	4					
						4				1	23				
						8				2	1				
						4		2	2	22					
						2				2	13				
						3				2	4				
						100					17				
						50					7				
						1				1	6				
						7					17				
						35					5				
						176				2	18				
						1					1				
						16					6				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			<p>1 M. Stern tube, 6 M. studs 12 nuts 6 Split Pins, 2 Glands 4 Packing screws 6 Split pins, 2 Glands and lignum vitae ring 1 do do do do in 44 $\frac{3}{4}$ M. bolts and nuts in 41 $\frac{5}{8}$ " " " 24 1- " screws " 48 $\frac{3}{4}$</p> <p>2 Screw shafts and coupling, 6 keys & 2 M. nuts with 2 M. screws each 2 Thrust bearings and foundation plate 2 Disconnecting couplings with bolts nuts Washers complete 4 Plummer blocks 2 Brake straps with spacers complete 1 Large spacer 24 Coupling bolts and nuts & Washers</p>

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
						1	1	4	0	0					
						1	1	4	0	0					
						14	1	4	0	0					
						4	1	4	0	0					
						44				24					
						4				2					
						24				21					
						48				19					
						2	6	14	0	0					
						2		17	0	0					
						2		14	2	12					
						4		9	6	8					
						2		6	1	10					
						1		1	0	10					
						24		2	1	10					

11 13 1 4 Carried forward

Draught of Water.

Date.

Forward.

Aft.

Name of Articles.

Ft. In.

Ft. In.

Date.	Forward.	Aft.	Name of Articles.
Ft. In.	Ft. In.		
			1 Thrust and shaft Port
			1 do do Starboard
			2 Gun metal screw boxes
			30 " screws
			40 Plates keeps and screws
			4 Spanners
			32 Adjusting screws
			6 Keys for disconnecting wheel
			4 1/2 in rings for end of shaft
			9 Gun M. screws blades
			1 brace and bolt
			2 locks, Elbows and pipe for stern tube
			2 cast-I. glands for do
			4 clips for screw shafts
			16-1/4 ⁱⁿ bolts and
			20-1 - " for thrust bearing

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Port forward</i>							11	13	1	14					
						1	1	14	2	1					
						1	1	14	3	7					
						2	1	2	1	0					
						80		1	3	22					
						40		1	0	8					
						4				10					
						32			1	6					
						6				20					
						4				10					
						8	3	2	3	0					
						1				8					
						2				14					
						2				2					
						4			2	6					
						16			1	22					
						20			1	5					
							<hr/>								
						19	14	3	15	<i>Carried forward</i>					

Propeller

No. 350.

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			14.1 in Water pipes for Screw shaft
			14 1/2 in Metal locks and union for do.
			68 Iron bolts and for do

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Port for</i>							19	14	3	15					
						14		1	0	16					
						4				7					
						68				11					
						<hr/>									
							19	15	0	5		<i>Total for Propeller -</i>			
						<hr/> <hr/>									

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
				1 Boiler	Starb ^d Fore ^d
				1 "	Starb ^d "
				1 "	" Aft ^d
				1 " No. 1 Starb ^d	" "
				1 " " 2 "	Fore ^d
				2 Connecting pieces for Boilers	
				2-3 Kingston Valves & 8 M. Lu pieces	
				16 M. bolts and nuts for blow off's	
				2 Lu socket wrenches for do	
				2-3 ⁱⁿ Stop cocks and 12 bolts and nuts for do	
				2, 2 ⁱⁿ / ₄ Stop cocks 10 ⁱⁿ / ₈ bolts for brace	
				2 Lu socket wrenches for do-	
				2 " " " " " blow off-	
				69-1-1 ⁱⁿ / ₄ Brine	
				70-1-1 ⁱⁿ / ₄ "	
				71-1-1 ⁱⁿ / ₄ "	
				73-1-1 ⁱⁿ / ₂ "	

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
						1	15	0	2	0					
						1	15	0	2	0					
						1	15	3	2	0					
						1	8	12	3	14					
						1	8	12	3	14					
						2		5	2	8					
						2		2	2	5					
						2				13					
						2			3	27					
						2			2	2					
						2				11					
						2			1	0					
										24					
										26					
									2	3					
										18					
										18					

63 1 2 15 Jamnia forward

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					74-2-2 ⁱⁿ / ₄ Boim Pipes
					75-1-2 ⁱⁿ / ₄
					3-1 ³ / ₄ Scum inside boiler
					2-1 ¹ / ₂ " " "
					5 Gauge lock funnels
					5 Strainers for bilge
					15- ⁱⁿ / ₂ pipes for gauge locks
					5 ³ / ₄ in " " Glasses
					3- ⁱⁿ / ₃ Sluce Valves for blow off
					2-2 ⁱⁿ / ₂ " " " "
					2-1 ¹ / ₂ boiler locks and wrenches &
					1- Lu socket wrench
					1-9 ⁱⁿ / ₂ C. I. socket and gland
					2-8 ⁱⁿ / ₂ C. I. " " " 2 bolts
					1-M. branch pipe for blow with
					Improved stop lock 1-2 ⁱⁿ / ₂
					2-M. branch pipes for blowing off

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Wood forward</i>							63	1	2	15					
									2	4					
									1	10					
					3					22					
					2					14					
					5				1	14					
					5					4					
					15					22					
					5					4					
					3		1	0	14						
					2				2	2					
					3				1	4					
					1				2	6					
					2		1	0	22						
					1				2	27					
										22					

63 0 0 1 *Carriage forward*

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					1 M. branch for blowing off
					454 Fire bars
					39 Bearing
					1 Chimney
					1 " hood
					1 " cover
					1 " casing
					^{1 3/4} 3. 1/4 in inside boilers
					2. 1/2 " " "
					5 Gauge cock funnels
					5 Strainers for bilge
					15. 1/2 ⁱⁿ pipes for gauge cocks
					5 3/8 ⁱⁿ gauge glasses
					12. Figura floor plates 7 ft. x 2-6
					20 " " " " 6-0 x 2-8
					14 " " " " 6-0 x 2-6
					12 " " " " 6-0 x 2-0
					21. 3. 1 ⁱⁿ Internal pipes
					22. 2 1/2 ⁱⁿ " " "
					31-2. 8 1/2 " waste steam

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
						<i>63</i>	<i>8</i>	<i>0</i>	<i>1</i>						
						<i>1</i>								<i>9</i>	
						<i>454</i>	<i>7</i>	<i>7</i>	<i>2</i>	<i>6</i>					
						<i>39</i>		<i>13</i>	<i>3</i>	<i>28</i>					
						<i>1</i>	<i>2</i>	<i>3</i>	<i>1</i>	<i>14</i>					
						<i>1</i>		<i>1</i>	<i>3</i>	<i>21</i>					
						<i>1</i>		<i>3</i>	<i>0</i>	<i>14</i>					
						<i>1</i>		<i>17</i>	<i>0</i>	<i>0</i>					
						<i>3</i>				<i>22</i>					
						<i>2</i>				<i>14</i>					
						<i>5</i>			<i>1</i>	<i>14</i>					
						<i>5</i>				<i>4</i>					
						<i>15</i>				<i>22</i>					
						<i>5</i>				<i>4</i>					
						<i>58</i>	<i>4</i>	<i>15</i>	<i>2</i>	<i>19</i>					
							<i>1</i>	<i>1</i>	<i>3</i>						
								<i>2</i>	<i>12</i>						
							<i>2</i>	<i>3</i>	<i>5</i>						
						<i>79</i>	<i>16</i>	<i>1</i>	<i>13</i>					<i>Carried forward</i>	

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					$\frac{1}{2}$ and $\frac{1}{4}$ Rints $\frac{3}{8}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ long $\frac{3}{8}$ " " $\frac{3}{8}$
					144 $\frac{3}{4}$ bolts and nuts $\frac{1}{2}$ $\frac{3}{4}$ long 100 $\frac{5}{8}$ " " 2 " 188 $\frac{5}{8}$ " " $1\frac{3}{4}$ " 36 $\frac{1}{2}$ " " $1\frac{1}{4}$ " 108 $\frac{3}{4}$ " " $2\frac{1}{4}$ " 144 $\frac{3}{4}$ " " 2 "
					4 Superheater shut off Valve boxes 2 $12\frac{1}{2}$ Throttle Valves for do 1 $4\frac{1}{2}$ Shut off Valve box for Pump lug 5. Hoisting straps with anchor rolls for lifting Safety Valves 2 Hook wrenches for shut off Valves 1 $2\frac{1}{2}$ in Safety Valve for Superheater

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Sent forward -</i>							79	16	1	13					
									3	6					
									3	6					
									3	13					
							1	0	0						
							1	0	0						
							1	0	0						
						144	1	2	21						
						100									
						188		3	2						
						36									
						108									
						144	1	1	4						
						4	13	3	14						
						2	1	3	14						
						1		1	0						
						5	1	1	20						
						2			13						
						1			21						

81 2 17 *Carried forward*

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			ⁱⁿ 2-1 $\frac{3}{4}$ Non return Valves for feed 1-1 $\frac{1}{2}$ 3 Way cock 1- Tee wrench for do ⁱⁿ 1-5 Shut-off Valve for bilge suction 1- Wrench for do ⁱⁿ 1-3 $\frac{1}{2}$ Improved stop cock 3-1 $\frac{3}{4}$ Boiler locks for brine 8- Superheater damper plates 2 Levers for damper spindle 2 Ash pit locks ⁱⁿ 1-4 Whistle for boilers 2- C. flanges for boiler cock 1-1 $\frac{1}{2}$ Boiler lock 5- sets of Water gauge locks 5 large Samps and holders 5 " Glasses for do 20 India rubber rings and 15 Water gauge locks for boilers 3-8. Shut-off Valves and 4 Safety valves

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>8300¹/₂ forward</i>							81	2	1	7					
						2			1	2					
						1			2	12					
						1				6					
						1			2	12					
						1				8					
						1			2	6					
						3			2	1					
						8	3	0	20						
						2				11					
						2			1	17					
						1				10					
						2				2					
						1				7					
						5			2	25					
						5				5					
						5				5					
						20									
						15			2	4					
						3			19	275					
							82	10	1	9	<i>Carriage forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			2.5 $\frac{3}{4}$ Inch of Valves & Safety Valves
			68 Lead Weights for safety Valves
			2 Lifters for do
			4 Fire doors frames and dampers
			9 " " " "
			1 Uptake and Superheater attached
			1 " " casing
			5 Bundles of Woodwork
			20 " " "
			23.2. In pipes superheater
			26-1-6 Waste steam
			28 " " "
			32.2.8 $\frac{1}{2}$ " "
			70 $\frac{5}{8}$ in Collar Studs and for boiler lagging
			+ 6.1 $\frac{1}{4}$
			4000 Nails
			1.2 $\frac{1}{2}$ Socket and gland
			1.1 $\frac{3}{4}$ " "
			1.1 $\frac{1}{2}$ " "

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.

Boat forward

							82	10	1	9				
						2		11	1	14				
						68	1	9	3	24				
						2				2				
						4		8	0	8				
						9	1	1	2	13				
						1	6	4	3	14				
						1	1	8	1	18				
						5		8	2	12				
						20	2	15	0	17				
						23		3	0	23				
								2	0	25				
								1	0	2				
								2	3	13				
						70				20				
						6			1	8				
						4000				6				
						2			1	1				
										9				
										14				
										5				

97 8 3 3 Carried forward

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			2.6 in
			1.4 " "
			1.2½ Shut off Valve for blast
			1-1½ pipe for ash pits
			2.1¼ " " " " " "
			1 " " " branch" for do
			8 flanges brading
			1-1½ In. branch pipe
			2. Tee wrenches
			1- Hook
			64-1-3 Blow-off
			65-1-3
			66-1-3
			67-1-2½
			68-1-
			48-¾ Iron bolts and nuts
			14-1 1 / ₈ " " "
			9-6 Tee pipe to small engine
			Waste steam pipe stay
			Blast Pipe Complete

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>Bro. June 2</i>						2	97	8	3	3					
						1				3	1				
						1					18				
						1					26				
						1					21				
						2				1	11				
						1					2				
						8					17				
						1					11				
						2					8				
						1					12				
										1	26				
										1	22				
										1	23				
										1	7				
										2	12				
											25				
										1	6				
										1	8				
											18				
										3	16				

97 15 1 13 *Carried forward*

Date.	Draught of Water.				Name of Articles.
	Forward.		Aft.		
	Ft.	In.	Ft.	In.	
					20 ⁵ / ₈ Collar Screws for boiler lagging
					76 ³ / ₄ Iron bolts and nuts
					100 ⁷ / ₈ " " " "
					2 Boiler Stays 24 Iron bolts and nuts
					50 ⁵ / ₈ " "
					2-1/2 Drain and 3 flanges
					1 Drain Valve
					1 ⁷ / ₈ Lock for do
					1 Chimney Joaming and St Plate
					1-1/4 Drain Pipe
					2 long damper spindles
					1-1/2 Pipe for ash pit
					2-1/4 " " "
					1-1/4 branch for do-
					8 flanges and brading
					23-2-11 But superheater
					26-1-6 Waiste steame
					28-1-6 " "

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
<i>sent forward</i>							97	15	0	13					
						20				6					
						76				16					
						100			1	12					
						7		1	8	15					
						50				17					
						2			1	22					
						1		1	1	16					
						1				4					
						1		8	1	7					
						1				4					
						2		1	0	21					
						1				21					
						2			1	11					
						1				2					
						8				17					
						2		3	0	23					
						1		2	0	25					
						1		1	0	2					
							98	16	1	26	<i>Carried forward</i>				

Date.	Draught of Water.		Name of Articles.
	Forward.	Aft.	
	Ft. In.	Ft. In.	
			32. 2. 8 1/2 Waste Steam Pipes
			30. " " "
			4 Chimney Chain Stays
			3/8 Rivets for Chimney
			10 B. Plates "
			2 Iron sheave blocks for do
			82. 1 in bolts and nuts for boiler stays
			57 5/8 " " " "
			11-3/2 Air Pipes to smoke boxes
			30. 5/8 Screws
			80. 3/8 bolts and nuts
			44 Pines sheet Lead

Weight on Steelyard.			Weight of Sling, &c.			No. of Pieces Weighed.	Net Weight.				Total Number of Pieces.	Total Weight.			
Cwt.	Qrs.	lbs.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.		Tons.	Cwt.	Qrs.	lbs.
							98	16	1	26					
						2	2	3	13						
						2	1	1	13						
						4	1	2	26						
									2						
						10	3	3	15						
						2			8						
						82	1	0	16						
						50			18						
									2	11					
						30			7						
						80			6						
						44	1	3	2	5					
							100	12	1	24					

Total for
Boilers