

IRON SHIPS.

No. 2700 Survey held at Hartlepool Date 22nd March to 22nd September 1869
on the Screw Steamer "Gazelle" Master Pymon

Tonnage under tonnage deck 555.44
 Tonnage of quarter deck 26.71 Built at Hartlepool When built 1869 Launched 10th May 1868

By whom built *Wither Alexander & Co* Owners *E. Jones & Co*

utto of spar deck		By whom built	Wm. H. Caspary & Co. Owners
utto of engine room	100. 50	Port belonging to	Wm. H. Caspary & Co. Owners
ss tonnage less	4. 63. 00	Destined Voyage	Wm. H. Caspary & Co. Owners

Gross tonnage, less crew space } 563.13
 Net Register tonnage, } 374.55

Port belonging to French Harbor Destined Voyage Almes
 If Surveyed while Building Afloat or in Dry Dock While Building

If Surveyed while Building, Afloat, or in Dry Dock

Feet.		Inches.			Feet.		Inches.		Horse	
					Depth from top of Hopper					

Feet.		Inches.		Feet.		Inches.		Feet.		Inches.		Horse	
Length aloft	100	10	Extreme Breadth	29	—	Depth from top of Upper Deck Beam to top of Floor	15	10	Power of Engines	86	N ^o . of Decks	One	

Dimensions of Ship per Register, length 79.8 breadth 20.5 depth 16.3

Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	required per
32	10	32	

Plates in Garboard Strakes, breadth and

	Inches in Ship.	required per Rule.		
el, if bar iron, depth and thickness.....	7 x 2 1/2	for 500 tons Scale.	Plates in Garboard Strakes, breadth and thickness	32 7/16
,, if plate iron, breadth and thickness	7 x 2 1/2		Ditto from Garboard to upper part of Bilges..	9 7/16

if plate iron, breadth and thickness	$7 \times 2 \frac{1}{2}$	$7 \times 2 \frac{1}{2}$	Date from Gabbard to upper part of Bilge ..	$\frac{1}{16}$
if bar iron, moulding and thickness			„ from upper part of Bilge to a perpen-	$\frac{0}{16}$
if plate iron, breadth and thickness			dicular height from upper side of	
			Kel of 32 ft from the bottom of	

Keel of $\frac{3}{4}$ ths the entire depth of Hold
 from $\frac{3}{4}$ ths depth of Hold to lower edge) Z

Distance of Frames from moulding edge to moulding edge, all fore and aft	21	21	from 3 rd depth of Hold to lower edge of Sheerstrake	16 16	30
	Inches	Inches			
	16ths	16ths	Sheerstrake, breadth and thickness	34	

Inches.	Inches.	16ths	Inches.	Inches.	16ths
In Ship.	In Ship.	In Ship.	per Rule.	required per Rule.	required per Rule.

" Sheerstrake, breadth and thickness

Butt Straps to outside plating, breadth and thickness

$9 \times \frac{17}{16} = 7\frac{1}{8}$ $8\frac{1}{4} \frac{10}{16}$

Frames, Size of Angle Iron, single or double..	4	0	1/2	3	4	1/2	6	10	thickness			
" " Reversed Iron, if to every frame or every other frame.....	3	2	1/2	1/16	3	2	2	6	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	26	0	26
				0	0	1	0	0				

Deck Beams, breadth and thickness	4	3 1/2	7/16	4 1/4 x 3
Angle Iron on ditto				
Stringer or Tie Plates fore and aft. on Upper				

„	Ditto	ditto	at Bilge Keelson	9	x	16	9	x	16	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways.	11	16	10 2
„	Size of Reversed Angle Iron, and			3 1/2	2 1/2	16	3	2 1/2	16	Diagonal Tie Plates on ditto	11	16	10 1/2

Diagonal Tie Plates on	ditto	11	10
Planksheer, materials and scantlings			
Waterway	ditto	ditto	11

Plate, Tee, or Bulb Iron	3	22 ¹ / ₂	6/16	3	2 ¹ / ₄	6/16	Waterway ditto ditto	3 1/2	4 P.	3 1/2
„ „ double or single Angle Iron, or edge	3	22 ¹ / ₂	6/16	3	2 ¹ / ₄	6/16	Flat of Upper Deck, thickness and material..	3 1/2	4 P.	3 1/2
							how fastened to Beams..	4 P.	M. B.	-

on <i>top</i> edge....	3 ft. 6 in.	3 ft. 6 in.	how fastened to Beams..	<i>16/16</i>
average space between			Ceiling betwixt Decks and in Hold, thickness	<i>2 1/4 Pine</i>
Hold in Lower Deck (No. <i>16</i>) ..	<i>4</i>	<i>4</i>	and material	

Hold, or Lower Deck (N ^o . 16)	7	x	76	7	x	76	and material.....)
double Angle, Tee, Plate, or Bulb Iron }	7	x	76	7	x	76	Clamps or Spirketting ditto.....
double or single Angle Iron }	3	1 1/2	6	3	2 1/2	6	Stringer Plates on ends of Hold or Lower)

double or single Angle Iron	3	2 1/2	16	0	2 1/2	16	Stringer Plates on ends of Hold or Lower	24	8	16
on edge....							Deck Beams, breadth and thickness			
average space between	2	1/4	frames	2	1/4	frames	Stringer or Tie Plates fore and aft outside	6	3	6

average space between	Stringer or Tie Plates fore and aft outside	3	3 x 76
Paddle, sided and moulded, thick-	Hatchways, on Hold or Lower		
ness of Plate	Deck Beams		
size of Angle Iron			

Stringers in Hold	Double Angles	4 x 3 1/2 x 7/8	4420
Flat of Lower Deck, thickness and material			45

Keelson, single or double plate, beam or intercostal	8	22	8	22
" Size of Plates	12	16	16	16
" Size of Angle Irons	4	3 1/2	4	3 1/4

Size of Angle Irons	Two	4	5	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200	202	204	206	208	210	212	214	216	218	220	222	224	226	228	230	232	234	236	238	240	242	244	246	248	250	252	254	256	258	260	262	264	266	268	270	272	274	276	278	280	282	284	286	288	290	292	294	296	298	300	302	304	306	308	310	312	314	316	318	320	322	324	326	328	330	332	334	336	338	340	342	344	346	348	350	352	354	356	358	360	362	364	366	368	370	372	374	376	378	380	382	384	386	388	390	392	394	396	398	400	402	404	406	408	410	412	414	416	418	420	422	424	426	428	430	432	434	436	438	440	442	444	446	448	450	452	454	456	458	460	462	464	466	468	470	472	474	476	478	480	482	484	486	488	490	492	494	496	498	500	502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538	540	542	544	546	548	550	552	554	556	558	560	562	564	566	568	570	572	574	576	578	580	582	584	586	588	590	592	594	596	598	600	602	604	606	608	610	612	614	616	618	620	622	624	626	628	630	632	634	636	638	640	642	644	646	648	650	652	654	656	658	660	662	664	666	668	670	672	674	676	678	680	682	684	686	688	690	692	694	696	698	700	702	704	706	708	710	712	714	716	718	720	722	724	726	728	730	732	734	736	738	740	742	744	746	748	750	752	754	756	758	760	762	764	766	768	770	772	774	776	778	780	782	784	786	788	790	792	794	796	798	800	802	804	806	808	810	812	814	816	818	820	822	824	826	828	830	832	834	836	838	840	842	844	846	848	850	852	854	856	858	860	862	864	866	868	870	872	874	876	878	880	882	884	886	888	890	892	894	896	898	900	902	904	906	908	910	912	914	916
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„ Bilge (No. one) at each Bilge, 4 32 16 44 34 16 Bulkheads, N^o. 4 Thickness of 7/16 max
single, or double, plate, or box single
„ Height up Main Deck after one to cabin deck
48 11 1/2

Transoms, material Plata or, if none, in what manner compensated for. „ how secured to the sides of the ship to double timber
Knight-heads, and Hawse Timbers Ron „ size of vertical angle irons 3x2 1/2 x 1 1/2 and their distance apart 30 in

The Frames extend in one length from Keel to gunwale rivetted through plates with ($\frac{3}{4}$ in.) rivets, about (6 in.)

the reverse angle irons on the floors extend in one length across the middle line from top of bulge to top of bulge
 " " " on the frames " " " from top of bulge to line of hold beams where hold beams are o

elsson, how are the various lengths of plates or angle irons connected? *butt shifted strapped & welded*

plates, Garboard, double ~~or~~ rivetted to keel, double ~~or~~ at upper edge, with rivets ($\frac{1}{4}$ in.) diameter, averaging ($\frac{3}{4}$ in.) at

Edges from Garboards to upper part of bilge worked clasher, double ~~or~~ rivetted with rivets ($\frac{3}{8}$ in.) diameter averaging ($\frac{1}{2}$ in.)

„ Butts from Keel to turn of bilge, worked carvel with butt straps ($9 \times \frac{9}{16}$) thick, double ~~or single~~ rivetted; with rivets ($\frac{5}{8}$ in.) diam

averaging (22 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

Edges from bilge to sheerstrake, worked ~~carvel~~ with a lining piece () thick, or clencher, double or single rivetted; with rivets ($\frac{3}{4}$ in.) diam
overlaping ($\frac{2}{4}$ in.) apart. Do the bottom planks run and rivet through the lands of the strake below? *no*


averaging ($2\frac{1}{4}$ in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? no

Edges of Sheerstrake, double or single rivetted? At upper edge Single to bulwark At lower edge Double

Butts from bilge to planksheers, worked curve¹ with butt straps ($9 \times \frac{9}{16} \times \frac{7}{16}$) thick, double ~~or~~ single rivetted; with rivets ($\frac{3}{4}$ in.) diam

averaging ($2\frac{1}{4}$ ins.) apart. Breadth of laps in double rivetting ($4\frac{1}{2}$) Breadth of laps in single rivetting ($2\frac{3}{4}$)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double

Planksheer, how secured to the plating of the sides Explain by sketch  As the waterways

Waterway " " planksheer and to the Beams (if necessary.) *Gutter waterways*

ck Beams, how secured to the side? *Beam end riveted + pieces welded*

Id or Lower Deck ditto *Same as Deck*

Saddle _____ No. of breasthooks Four crutches Two

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? *Good*
 Manufacturer's name or trade mark *Hartlepool Iron Works & Hopkin & Co. Middlesbrough*

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature Wm. Alexander Lee Surveyor's Signature J. H. [unclear]

IRON 444

IRON 444 - 0421

