

NAVY DEPARTMENT

SHIPS' DATA

U. S. NAVAL VESSELS

NOVEMBER 1, 1916



WASHINGTON
GOVERNMENT PRINTING OFFICE
1916

ABBREVIATIONS.

Engines:

Vert. 3-exp. (2)=Vertical triple expansion, two screws.
Hor. comp. (1)=Horizontal compound, single screw.
Incl. comp. (2)=Inclined compound, two screws.
Turb.=Turbines.

Boilers:

S. E.=Single-ended, cylindrical.
D. E.=Double-ended, cylindrical.
S. W.=Straight-away cylindrical.
B. & W.=Babcock & Wilcox.

Batteries:

B. L. R.=Breech-loading rifle.
R. F.=Rapid-fire gun.
S. A.=Semi-automatic.
Cal.=Caliber.
Subm.=Submerged.

Miscellaneous:

Kw.=Kilowatts.
2 mil. m.=two military masts.
1 cage m.=One cage mast.

BATTLESHIPS

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.				
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.	Displacement (normal). ⁴	Tons per inch immersion at normal draft. ⁵
1 Arizona (39)....	Navy yard, New York.	Atlantic Fleet...	¹ 600 0	¹ 97 0 ¹ / ₂	¹ 28 10	¹ 31,400	¹ 101.50
2 Arkansas (33) ¹ ..	New York S. B. Co., Camden, N. J.	Atlantic Fleet...	554 0	93 2 ¹ / ₂	28 6	26,000	88.50
3 California (44)...	Navy yard, Mare Island.	Building, 6.1% complete.	600 0	97 3 ¹ / ₂	30 3	32,300	101.00
4 Colorado (45)...	.....	.....	600 0	97 3 ¹ / ₂	30 6	32,600	101.1
5 Delaware (28)...	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet...	510 0	85 2 ¹ / ₂	26 11	20,000	71.70
6 Florida (30) ¹	Navy yard, New York.	Atlantic Fleet...	510 0	88 2 ¹ / ₂	28 6	21,825	74.00
7 Idaho (42).....	New York S. B. Co., Camden, N. J.	Building, 65.5% complete.	600 0	97 4 ¹ / ₂	30 0	32,000	100.70
8 Maryland (46) ¹..	.....	.....	600 0	97 3 ¹ / ₂	30 6	32,600	101.1
9 Michigan (27)...	New York S. B. Co., Camden, N. J.	Atlantic Fleet...	450 0	80 2 ¹ / ₂	24 6	16,000	64.20
10 Mississippi (41)...	Newport News S. B. Co., Newport News, Va.	Building, 59.6% complete.	600 0	97 4 ¹ / ₂	30 0	32,000	100.70
11 Nevada (36)....	Fore River S. B. Co., Quincy, Mass.	Atlantic Fleet...	575 0	95 2 ¹ / ₂	28 6	27,500	93.25
12 New Mexico (40) ¹	Navy yard, New York.	Building, 52.0% complete.	600 0	97 4 ¹ / ₂	30 0	32,000	100.70
13 New York (34) ¹ ..	Navy yard, New York.	Atlantic Fleet...	565 0	95 2 ¹ / ₂	28 6	27,000	91.80
14 North Dakota (29).	Fore River S. B. Co., Quincy, Mass.	Atlantic Fleet...	510 0	85 2 ¹ / ₂	26 11	20,000	71.70
15 Oklahoma (37)...	New York S. B. Co., Camden, N. J.	Atlantic Fleet...	575 0	95 2 ¹ / ₂	28 6	27,500	93.25
16 Pennsylvania (38) ¹	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet...	600 0	97 0 ¹ / ₂	28 10	31,400	101.50
17 South Carolina (26).	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet...	450 0	80 2 ¹ / ₂	24 6	16,000	64.20
18 Tennessee (43)...	Navy yard, New York.	Building, 1.4% complete.	600 0	97 3 ¹ / ₂	30 3	32,300	101.00

¹ Length on designed L. W. L.² Fitted as a flagship.³ Two-thirds full supply of ammunition and stores.⁴ Two-thirds full supply of stores and fuel, and full supply of ammunition.⁵ Length on designer's L. W. L.⁶ Formerly California.⁷ Authorized but not appropriated for.⁸ Fitted as a division flagship.

SINGLE CALIBER.

Length overall.	Full-load displacement.	Draft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
¹ Ft. in.	¹ Tons.	¹ Ft. in.	¹ Knots.	¹ Tons.	¹ Tons.	
1 608 0	32,567	29 10	21.0	31,400	1 694,830 * (2,322)	Arizona (39).... 1
2 562 0	27,243	29 7	21.05	25,546	* 2,754	Arkansas (33)... 2
3 624 0	32,984	31 0	21.0	32,300	.....	California (44)... 3
4 624 0	.....	.....	21.0	32,600	.....	Colorado (45).... 4
5 518 9	22,060	28 10	21.56	20,099	* 2,732	Delaware (28)... 5
6 521 6	23,033	30 1	22.08	21,240	1 2,560	Florida (30).... 6
7 624 6	33,000	31 0 ¹ / ₂	21.0	32,000	.....	Idaho (42)..... 7
8 624 0	.....	.....	21.0	32,600	.....	Maryland (46)... 8
9 452 9	17,617	27 1	18.79	16,064	2,437	Michigan (27)... 9
10 624 0	33,000	31 0 ¹ / ₂	21.0	32,000	.....	Mississippi (41).. 10
11 583 0	28,400	29 7	* 20.53	* 27,135	1 598,400 * (2,000)	Nevada (36).... 11
12 624 0	33,000	31 0 ¹ / ₂	21.0	32,000	.....	New Mexico (40) 12
13 573 0	28,367	29 7	21.47	26,342	1 2,918	New York (34).... 13
14 518 9	22,060	28 10	21.01	20,020	* 2,740	North Dakota (29). 14
15 583 0	28,400	29 7 ¹ / ₂	* 20.58	* 27,286	1 598,400 * (2,000)	Oklahoma (37)... 15
16 608 0	32,567	29 10	* 21.05	* 30,812	1 694,830 * (2,322)	Pennsylvania (38). 16
17 452 9	17,617	27 1	18.86	16,136	2,433	South Carolina (26). 17
18 624 0	32,984	31 0	21.00	32,300	.....	Tennessee (43)... 18

¹ Estimated.² Exclusive of 400 tons oil fuel.³ Exclusive of 380 tons oil fuel.⁴ Gallons of fuel oil.⁵ Tons of fuel oil.⁶ Full speed 12-hour trial.

BATTLESHIPS

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.				
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.	Displacement (normal). ²	Tons per inch immersion at normal draft.
19 Texas (35) ³	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet ..	<i>Ft. in.</i> 565 0	<i>Ft. in.</i> 95 2½	<i>Ft. in.</i> 28 6	<i>Tons.</i> 27,000	<i>Tons.</i> 91.60
20 Utah (31) ⁴	New York S. B. Co., Camden, N. J.	Atlantic Fleet ..	510 0	88 2½	28 6	21,825	74.00
21 Washington (47).			600 0	97 3½	30 6	32,600	101.1
22 West Virginia (48). ⁵			600 0	97 3½	30 6	32,600	101.1
23 Wyoming (33) ² .	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet ..	554 0	93 2½	28 6	26,000	88.50
24 Number (49-54) ⁶							
Total normal displacement						630,450	

¹ Length on designed L. W. L.² Fitted as a flagship.³ Two-thirds full supply of stores and fuel, and full supply of ammunition.⁴ Length on designer's L. W. L.⁵ Authorized but not appropriated for.⁶ Fitted as a division flagship.

SINGLE CALIBER—Continued.

Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
<i>Ft. in.</i> 573 0	<i>Tons.</i> 23,367	<i>Ft. in.</i> 29 7	<i>Knots.</i> 21.05	<i>Tons.</i> 26,250	<i>Tons.</i> * 2,960	Texas (35)..... 19
521 6	23,033	30 1	21.04	21,282	* 2,581	Utah (31)..... 20
624 0			* 21.0	* 32,600		Washington (47). 21
624 0			* 21.0	* 32,600		West Virginia (48). 22
562 0	27,243	29 7	21.22	25,085	* 2,704	Wyoming (33).. 23
						Number (49-54). 24

¹ Estimated.² Exclusive of 400 tons oil fuel.

BATTLESHIPS

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
		In.	In.	In.	In.		Sq. ft.	Sq. ft.			Tons.
1 Arizona (39)...	Parsonsturb.(4). (Geared cruising.)					12 B. & W..	(¹)	55,332	34,000		2,250
2 Arkansas (33)...	Parsonsturb.(4)					12 B. & W..	1,428	64,234	28,533	29,819	2,178
3 California (44)...	G. E. turbines, electric reduction gear (4).								26,800		
4 Colorado (45)...											
5 Delaware (28)...	Vert. 3-exp. (2).	38	57	76	48	14 B. & W..	1,439	61,943	28,578	29,529	2,036
6 Florida (30)...	Parsonsturb.(4).					12 B. & W..	1,428	64,234	40,511	41,810	2,152
7 Idaho (42)...	Parsonsturb.(4). (Geared cruising.)								32,000		
8 Maryland (46)...											
9 Michigan (27)...	Vert. 3-exp. (2).	32	52	72	48	12 B. & W..	1,050	47,220	16,016	16,517	1,555
10 Mississippi (41)...	Curtis turb. (4). (Geared cruising.)								32,000		
11 Nevada (38)...	Curtis turb. (2). (Geared cruising.)					12 Yarrow..	(¹)	48,000	23,312	(¹)	1,880
12 New Mexico (40)...	G. E. turbines, electric reduction gear (4).								27,500		
13 New York (34)...	Vert. 3-exp. (2).	39	63	63	48	14 B. & W..	1,554	62,213	29,687	(¹)	2,348
14 North Dakota (29)...	Parson turbine, reduction gear (2).					14 B. & W..	1,439	61,943	31,300	32,307	2,047
15 Oklahoma (37)...	Vert. 3-exp. (2).	35	59	78	48	12 B. & W..	(¹)	48,000	21,703		1,998
16 Pennsylvania (38)...	Curtis turb. (4). (Geared cruising.)					12 B. & W..	(¹)	55,332	29,366		2,396
17 South Carolina (26)...	Vert. 3-exp. (2).	32	52	72	48	12 B. & W..	1,050	47,220	17,651	18,357	1,533
18 Tennessee (43)...	Westinghouse turbine, electric reduction gear (4).								26,800		

¹ Two low-pressure cylinders.² Eight with superheaters.³ Estimated.⁴ Oil-burning boilers.⁵ Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines only.⁶ Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries in use on trial.⁷ Not ascertained.305,907
+ 145,100

SINGLE CALIBER—Continued.

No.	Kilo-watts.	Volts.	Type. ¹	Builders.	Name and official number.
1				Westinghouse Co.....	Arizona (39)..... 1
2	4	300	125	De Laval S. T. Co.—Crocker—Wheeler Gen.	Arkansas (33)..... 2
3				General Electric Co.....	California (44).... 3
4					Colorado (45)..... 4
5	4	300	125	General Electric Co.....	Delaware (28).... 5
6	4	300	125	General Electric Co.....	Florida (30)..... 6
7				General Electric Co.....	Idaho (42)..... 7
8					Maryland (46).... 8
9	4	200	125	General Electric Co.....	Michigan (27).... 9
10				General Electric Co.....	Mississippi (41)... 10
11	4	300	125	General Electric Co.....	Nevada (38)..... 11
12				General Electric Co.....	New Mexico (40).. 12
13	4	300	125	General Electric Co.....	New York (34).... 13
14	4	300	125	General Electric Co.....	North Dakota (29) 14
15	4	300	125	General Electric Co.....	Oklahoma (37).... 15
16	4	300	125	General Electric Co.....	Pennsylvania (38) 16
17	4	200	125	General Electric Co.....	South Carolina (26) 17
18				Westinghouse Co.....	Tennessee (43).... 18

¹ Turbogenerators.

BATTLESHIPS—

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial. ⁵	Total maximum I. H. P. ⁶	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
19 Texas (35).....	Vert. 3-exp. (2).	39	63	83	48	* 14 B. & W...	Sq. ft. 1,554	Sq. ft. 62,213	28,373	(⁷)	Tons. 2,271
20 Utah (31).....	Parsons turb. (4).					12 B. & W...	1,428	64,234	27,026	28,136	2,064
21 Washington (47).											
22 West Virginia (48).											
23 Wyoming (32)...	Parsons turb. (4).					12 B. & W...	1,428	64,234	31,437	34,958	2,095
24 Number (49-54).....											

¹ Two low-pressure cylinders.² Eight with superheaters.³ Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines only.⁴ Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries in use on trial.⁵ Not ascertained.

397,372
+ 145,100
+ 22,000

SINGLE CALIBER—Continued.

Generating sets.						Name and official number.
No.	Kilo-watts.	Volts.	Type. ¹	Builders.		
19	4	300	125	6-300-1500	General Electric Co.....	Texas (35).....
20	4	300	125	6-300-1500	General Electric Co.....	Utah (31).....
21						Washington (47).....
22						West Virginia (48).....
23	4	300	125	6-300-1500	General Electric Co.....	Wyoming (32).....
24						Number (49-54).....

¹ Turbogenerators.

BATTLESHIPS

Name and official number.	Submarine signal sets.			
	Sending sets.		Receiving sets. ¹	
	Number.	Type.	Number.	Type.
1 Arizona (39).....			1	J
2 Arkansas (33).....			1	J
3 California (44).....				
4 Colorado (45).....				
5 Delaware (28).....			1	J
6 Florida (30).....	1		1	J
7 Idaho (42).....				
8 Maryland (46).....				
9 Michigan (27).....			1	J
10 Mississippi (41).....				
11 Nevada (36).....			1	J
12 New Mexico (40).....				
13 New York (34).....			1	J
14 North Dakota (29).....			1	J
15 Oklahoma (37).....			1	J
16 Pennsylvania (38).....			1	J
17 South Carolina (26).....			1	J
18 Tennessee (43).....				
19 Texas (35).....			1	J
20 Utah (31).....	1		1	J
21 Washington (47).....				
22 West Virginia (48).....				
23 Wyoming (32).....			1	J
24 Number (49-54).....				

¹ Manufactured by the Submarine Signal Co.

SINGLE CALIBER—Continued.

Messes (complement).							Name and official number.
Wardroom officers.	Junior officers.	Warrant officers.	Additional officers for flagship. ¹	Chief petty officers.	Men.	Marines.	
1 25	18	12		48	939	75	Arizona (39).....
2 27	17	10	14 {	41 875	47 5	72	Arkansas (33).....
3 27	18	12		48	939	75	California (44).....
4 27	18	12		48	939	75	Colorado (45).....
5 26	16	10		43	787	64	Delaware (28).....
6 26	16	10	(?) {	39 798	30 5	64	Florida (30).....
7 25	18	12		40	911	75	Idaho (42).....
8 27	18	12		48	939	75	Maryland (46).....
9 24	15	10		37	671	56	Michigan (27).....
10 25	18	12		48	939	75	Mississippi (41).....
11 26	16	10		41	881	75	Nevada (36).....
12 25	18	12	(?)	48	939	75	New Mexico (40).....
13 26	16	10	(?)	45	857	72	New York (34).....
14 26	16	10		43	787	64	North Dakota (29).....
15 26	16	10		41	881	75	Oklahoma (37).....
16 25	18	12	14	48	939	75	Pennsylvania (38).....
17 24	15	10		37	671	56	South Carolina (26).....
18 27	18	12		48	939	75	Tennessee (43).....
19 26	16	10	(?)	45	857	72	Texas (35).....
20 26	16	10	(?)	39	789	64	Utah (31).....
21 27	18	12		48	939	75	Washington (47).....
22 27	18	12		48	939	75	West Virginia (48).....
23 27	17	10	(?) {	40 875	10 56	72	Wyoming (32).....
24							Number (49-54).....

¹ Including flag officer.² Three extra officers for division flagship. Thirteen extra officers for C. in C. flagship.³ Additional allowed for flag or division complement.

BATTLESHIPS—SINGLE CALIBER—Continued.

Name and official number.	Batteries.	
	Guns.	Torpedo tubes.
1 Arizona (38)...	12 14" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
2 Arkansas (33)...	12 12" 50 cal. B. L. R.; 21 5" 51 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
3 California (44)...	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
4 Colorado (45)...	8 16" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
5 Delaware (28)...	10 12" 45 cal. B. L. R.; 14 5" 51 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
6 Florida (30)...	10 12" 45 cal. B. L. R.; 16 5" 51 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
7 Idaho (42).....	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
8 Maryland (46)...	8 16" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
9 Michigan (27)...	8 12" 45 cal. B. L. R.; 22 3" 50 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
10 Mississippi (41)...	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
11 Nevada (39)....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. R. F.; 4 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
12 New Mexico (40)...	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
13 New York (34)...	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 2 3" anti-air craft; 4 3-pdr. saluting.	4 21", subm...
14 North Dakota (29)...	10 12" 45 cal. B. L. R.; 14 5" 51 cal. B. L. R.; 4 3-pdr. saluting....	2 21", subm...
15 Oklahoma (37)...	10 14" 45 cal. B. L. R.; 21 5" 51 cal. R. F.; 4 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
16 Pennsylvania (38)...	12 14" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
17 South Carolina (26)...	8 12" 45 cal. B. L. R.; 22 3" 50 cal. R. F.; 2 3" anti-air craft; 2 3-pdr. saluting.	2 21", subm...
18 Tennessee (43)...	12 14" 50 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
19 Texas (35).....	10 14" 45 cal. B. L. R.; 21 5" 51 cal. B. L. R.; 2 3" anti-air craft; 4 3-pdr. saluting.	4 21", subm...
20 Utah (31).....	10 12" 45 cal. B. L. R.; 16 5" 51 cal. R. F.; 2 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
21 Washington (47)...	8 16" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
22 West Virginia (48)...	8 16" 45 cal. B. L. R.; 22 5" 51 cal. R. F.; 4 3" anti-air craft; 4 6-pdr. saluting.	2 21", subm...
23 Wyoming (32)...	12 12" 50 cal. B. L. R.; 21 5" 51 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 21", subm...
24 Number (49-54).....		

BATTLESHIPS—

	Name and official number.	Rig and number of funnels.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	
1	Arizona (39)....	2 cage m.; 1 funnel.....		\$7,425,000	Mar. 4, 1913		1
2	Arkansas (33)....	2 cage m.; 2 funnels.....		4,675,000	Mar. 3, 1909	Sept. 25, 1909	2
3	California (44)....	2 cage m.; 2 funnels.....		\$7,800,000	Mar. 3, 1915		3
4	Colorado (45)....	2 cage m.; 2 funnels.....			Aug. 29, 1916		4
5	Delaware (28)....	2 cage m.; 2 funnels.....		3,987,000	June 29, 1906	Aug. 6, 1907	5
6	Florida (30)....	2 cage m.; 2 funnels.....		\$6,400,000	May 13, 1908		6
7	Idaho (42)....	2 cage m.; 1 funnel.....		7,250,000	June 30, 1914	Nov. 9, 1914	7
8	Maryland (46)....	2 cage m.; 2 funnels.....			Aug. 29, 1916		8
9	Michigan (27)....	2 cage m.; 2 funnels.....		3,585,000	Mar. 3, 1905	July 20, 1906	9
10	Mississippi (41)....	2 cage m.; 1 funnel.....		7,115,000	June 30, 1914	Nov. 23, 1914	10
11	Nevada (36)....	2 cage m.; 1 funnel.....		5,895,000	Mar. 4, 1911	Jan. 22, 1912	11
12	New Mexico (40)....	2 cage m.; 1 funnel.....		\$7,800,000	June 30, 1914		12
13	New York (34)....	2 cage m.; 2 funnels.....		\$6,400,000	June 24, 1910		13
14	North Dakota (29)....	2 cage m.; 2 funnels.....		4,377,000	Mar. 2, 1907	Aug. 6, 1907	14
15	Oklahoma (37)....	2 cage m.; 1 funnel.....		5,926,000	Mar. 4, 1911	Jan. 22, 1912	15
16	Pennsylvania (38)....	2 cage m.; 1 funnel.....		7,260,000	Aug. 22, 1912	Feb. 28, 1913	16
17	South Carolina (26)....	2 cage m.; 2 funnels.....		3,540,000	Mar. 3, 1905	July 21, 1906	17
18	Tennessee (43)....	2 cage m.; 2 funnels.....		\$7,800,000	Mar. 3, 1915		18
19	Texas (35)....	2 cage m.; 2 funnels.....		5,830,000	June 24, 1910	Dec. 17, 1910	19
20	Utah (31)....	2 cage m.; 2 funnels.....		3,946,000	May 13, 1908	Nov. 24, 1908	20
21	Washington (47)....	2 cage m.; 2 funnels.....			Aug. 29, 1916		21
22	West Virginia (48)....	2 cage m.; 2 funnels.....			Aug. 29, 1916		22
23	Wyoming (32)....	2 cage m.; 2 funnels.....		4,450,000	Mar. 3, 1909	Oct. 14, 1909	23
24	Number (49-54)*	2 cage m.; 2 funnels.....			Aug. 29, 1916		24

* Limit of cost, act of Congress approved Mar. 4, 1913.

* Limit of cost, act of Congress approved June 30, 1914.

* Limit of cost, act of Congress approved Mar. 4, 1911.

* Limit of cost, exclusive of indirect charges, act of Congress approved Mar. 4, 1911.

* Limit of cost, act of Congress approved Mar. 3, 1915.

* Authorized but not appropriated for.

SINGLE CALIBER—Concluded.

	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
1	Mar. 16, 1914	June 19, 1915	Sept. 15, 1916		Oct. 17, 1916	Arizona (39).....	1
2	Jan. 25, 1910	Jan. 14, 1911	May 25, 1912	Sept. 14, 1912	Sept. 17, 1912	Arkansas (33).....	2
3	Oct. 25, 1916					California (44).....	3
4						Colorado (45).....	4
5	Nov. 11, 1907	Feb. 6, 1909	Aug. 6, 1910	Feb. 15, 1910	Apr. 4, 1910	Delaware (28).....	5
6	Mar. 9, 1909	May 12, 1910			Sept. 15, 1911	Florida (30).....	6
7	Jan. 20, 1915		Nov. 9, 1917			Idaho (42).....	7
8						Maryland (46).....	8
9	Dec. 17, 1906	May 26, 1908	Nov. 20, 1909	Aug. 31, 1909	Jan. 4, 1910	Michigan (27).....	9
10	Apr. 5, 1915		Nov. 23, 1917			Mississippi (41).....	10
11	Nov. 4, 1912	July 11, 1914	Jan. 22, 1915	Mar. 11, 1916	Mar. 11, 1916	Nevada (36).....	11
12	Oct. 14, 1915					New Mexico (40).....	12
13	Sept. 11, 1911	Oct. 30, 1912	May 1, 1914		Apr. 15, 1914	New York (34).....	13
14	Dec. 16, 1907	Nov. 10, 1908	June 21, 1910	Apr. 11, 1910	Apr. 11, 1910	North Dakota (29).....	14
15	Oct. 26, 1912	Mar. 23, 1914	Jan. 22, 1915	May 2, 1916	May 2, 1916	Oklahoma (37).....	15
16	Oct. 27, 1913	Mar. 16, 1915	Feb. 28, 1916	June 12, 1916	June 12, 1916	Pennsylvania (38).....	16
17	Dec. 18, 1906	July 11, 1908	Dec. 21, 1909	Nov. 5, 1909	Mar. 1, 1910	South Carolina (26).....	17
18						Tennessee (43).....	18
19	Apr. 17, 1911	May 18, 1912	Dec. 17, 1913	Mar. 12, 1914	Mar. 12, 1914	Texas (35).....	19
20	Mar. 15, 1909	Dec. 23, 1909	July 24, 1911	Aug. 30, 1911	Aug. 31, 1911	Utah (31).....	20
21						Washington (47).....	21
22						West Virginia (48).....	22
23	Feb. 9, 1910	May 25, 1911	June 14, 1912	Sept. 23, 1912	Sept. 25, 1912	Wyoming (32).....	23
24						Number (49-54)....	24

BATTLESHIPS—

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Alabama (8) ² ...	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	<i>Ft. in.</i> 368 0	<i>Ft. in.</i> 72 2½	<i>Ft. in.</i> 23 6
2 Connecticut (18) ²	Navy yard, New York.....	Atlantic Fleet.....	450 0	76 10	24 6
3 Georgia (15) ² ...	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	435 0	76 2½	23 9
4 Illinois (7).....	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	368 0	72 2½	23 6
5 Indiana (1).....	Wm. Cramp & Sons, Philadelphia, Pa.	Navy Yard, Philadelphia.	348 0	69 3	24 0
6 Iowa (4) ²	Wm. Cramp & Sons, Philadelphia, Pa.	Navy Yard, Philadelphia.	360 0	72 2½	24 0
7 Kansas (21).....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	450 0	76 10	24 6
8 Kearsarge (5)...	Newport News S. B. Co., Newport News, Va.	Naval Militia, Massachusetts. ³	368 0	72 2½	23 6
9 Kentucky (8)...	Newport News S. B. Co., Newport News, Va.	Naval Militia, New York. ³	368 0	72 2½	23 6
10 Louisiana (19) ²	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	450 0	76 10	24 6
11 Maine (10).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	388 0	72 2½	23 10
12 Massachusetts (2).	Wm. Cramp & Sons, Philadelphia, Pa.	Navy Yard, Philadelphia.	348 0	69 3	24 0
13 Minnesota (22) ²	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	450 0	76 10	24 6
14 Missouri (11) ² ..	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	388 0	72 2½	23 11
15 Nebraska (14) ² ..	Moran Bros., Seattle, Wash..	Atlantic Fleet.....	435 0	76 2½	23 9
16 New Hampshire (25).	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	450 0	76 10	24 6
17 New Jersey (16) ²	Fore River S. & E. Co., Quincy, Mass.	Atlantic Fleet.....	435 0	76 2½	23 9
18 Ohio (12) ²	Union Iron Works, San Francisco, Cal.	Atlantic Fleet.....	388 0	72 2½	23 7
19 Oregon (3).....	Union Iron Works, San Francisco, Cal.	Naval Militia, California. ³	348 0	69 3	24 0
20 Rhode Island (17) ²	Fore River S. & E. Co., Quincy, Mass.	Atlantic Fleet.....	435 0	76 2½	23 9
21 Vermont (20) ² ..	Fore River S. & E. Co., Quincy, Mass.	Atlantic Fleet.....	450 0	76 10	24 6
22 Virginia (13) ² ..	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	435 0	76 2½	23 9
23 Wisconsin (9) ² ..	Union Iron Works, San Francisco, Cal.	Atlantic Fleet.....	368 0	72 2½	23 6
Total normal displacement.....					

¹ Length on designed L. W. L.
² Fitted as a flagship.
³ For date of assignment, see page 177.

MIXED CALIBER.

Ship, fully equipped ready for sea, normal stores, etc.—Continued.	Displacement (normal).	Tons per inch immersion at normal draft.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
1	Tons. 11,552	Tons. 47.75	<i>Ft. in.</i> 374 0	Tons. 12,150	<i>Ft. in.</i> 24 9	<i>Knots.</i> 17.01	Tons. 11,570	Tons. 1,481	Alabama (8).... 1
2	16,000	63.14	456 4	17,666	26 8	18.78	16,220	2,510	Connecticut (18). 2
3	14,948	60.95	441 3	16,094	25 10	19.26	14,963	2,014	Georgia (15).... 3
4	11,552	47.75	375 4	12,150	24 9	17.45	11,540	1,522	Illinois (7)..... 4
5	10,288	42.75	350 11	11,688	26 5	15.55	10,225	1,536	Indiana (1)..... 5
6	11,346	46.00	362 5	12,647	27 4	17.09	11,363	1,682	Iowa (4)..... 6
7	16,000	63.14	456 4	17,650	26 8	18.09	16,000	2,445	Kansas (21)..... 7
8	11,520	47.35	375 4	12,320	24 11	16.82	11,550	1,679	Kearsarge (5)... 8
9	11,520	47.35	375 4	12,320	24 11	16.90	11,550	1,658	Kentucky (6)... 9
10	16,000	63.14	456 4	17,666	26 8	18.82	16,000	2,446	Louisiana (19). 10
11	12,500	50.75	393 11	13,500	25 6	18.00	12,370	1,904	Maine (10)..... 11
12	10,288	42.75	350 11	11,688	26 5	16.21	10,300	1,523	Massachusetts (2). 12
13	16,000	63.14	456 4	17,650	26 8	18.85	16,002	2,420	Minnesota (22).. 13
14	12,500	50.35	393 11	13,500	25 8	18.15	12,300	1,933	Missouri (11).... 14
15	14,948	60.95	441 3	16,094	25 10	19.06	14,865	1,969	Nebraska (14)... 15
16	16,000	63.14	456 4	17,784	27 0	18.16	16,145	2,582	New Hampshire (25). 16
17	14,948	60.95	441 3	16,094	25 10	19.18	14,930	1,993	New Jersey (16). 17
18	12,500	51.25	393 10	13,500	25 4	17.82	12,500	2,331	Ohio (12)..... 18
19	10,288	42.75	351 2	11,688	26 5	16.79	10,242	1,460	Oregon (3)..... 19
20	14,948	60.95	441 3	16,094	25 10	19.01	14,920	2,031	Rhode Island (17). 20
21	16,000	63.14	455 10	17,650	26 8	18.33	16,000	2,486	Vermont (20)... 21
22	14,948	60.95	441 3	16,094	25 10	19.01	14,980	1,970	Virginia (13).... 22
23	11,552	47.75	373 10	12,150	24 9	17.17	11,565	1,447	Wisconsin (9)... 23
308,146									

¹ Two-thirds full supply of ammunition and stores.
² Calculated to 6 inches below beams.
³ Full supply of ammunition and stores, normal coal.

BATTLESHIPS—

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.	
		H. P.	I. P.	L. P.	Stroke.							
1 Alabama (8)....	Vert. 3-exp. (2).	33½	51	78	48	8 S. E.....	Sq. ft. 698	Sq. ft. 21,692	11,073	11,366	Tons. 1,214	1
2 Connecticut (18).	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,097	52,752	19,333	20,525	1,624	2
3 Georgia (15)....	Vert. 3-exp. (2).	35	57	66	48	12 B. & W....	1,357	55,600	24,597	25,463	1,769	3
4 Illinois (7).....	Vert. 3-exp. (2).	33½	51	78	48	8 Mosher....	692	30,000	12,647	12,899	1,279	4
5 Indiana (1).....	Vert. 3-exp. (2).	34½	48	75	42	8 B. & W....	616	19,194	9,498	9,738	1,242	5
6 Iowa (4).....	Vert. 3-exp. (2).	39	55	85	48	3 D. E., 2 S. E.	756	24,082	11,834	12,105	1,258	6
7 Kansas (21).....	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,098	52,752	19,302	19,757	1,562	7
8 Kearsarge (5)...	Vert. 3-exp. (2).	33½	51	78	48	8 Mosher....	725	31,760	11,674	11,954	1,209	8
9 Kentucky (6)...	Vert. 3-exp. (2).	33½	51	78	48	8 Mosher....	725	31,760	12,179	12,318	1,211	9
10 Louisiana (19)...	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,097	52,752	20,443	21,350	1,596	10
11 Maine (10).....	Vert. 3-exp. (2).	38½	59	92	42	12 B. & W....	1,135	47,628	15,214	15,841	1,600	11
12 Massachusetts (2).	Vert. 3-exp. (2).	34½	48	75	42	8 B. & W....	567	24,500	10,128	10,415	1,062	12
13 Minnesota (22)...	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,100	52,752	19,896	20,572	1,599	13
14 Missouri (11)....	Vert. 3-exp. (2).	34½	53	63	48	12 Thornycroft.	972	51,372	15,642	16,277	1,317	14
15 Nebraska (14)...	Vert. 3-exp. (2).	35	57	66	48	12 B. & W....	1,342	56,335	20,947	21,911	1,689	15
16 New Hampshire (25).	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,100	47,112	17,537	18,104	1,558	16
17 New Jersey (16).	Vert. 3-exp. (2).	35	57	66	48	12 B. & W....	1,342	56,184	22,805	23,570	1,737	17
18 Ohio (12).....	Vert. 3-exp. (2).	35½	53	63	48	12 Thornycroft.	924	60,130	15,951	16,507	1,371	18
19 Oregon (3).....	Vert. 3-exp. (2).	34½	48	75	42	4 D. E.....	552	16,832	10,890	11,111	1,009	19
20 Rhode Island (17).	Vert. 3-exp. (2).	35	57	66	48	12 B. & W....	1,342	56,184	19,890	20,627	1,734	20
21 Vermont (20)...	Vert. 3-exp. (2).	32½	53	61	48	12 B. & W....	1,097	52,752	17,824	18,249	1,559	21
22 Virginia (13)....	Vert. 3-exp. (2).	35	57	66	48	12 B. & W....	1,357	55,600	22,501	23,468	1,835	22
23 Wisconsin (9)...	Vert. 3-exp. (2).	33½	51	78	48	8 S. E.....	685	21,205	12,322	12,609	1,278	23

¹ Two low-pressure cylinders.
² Estimated.

386.736

MIXED CALIBER—Continued.

No.	Kilo-watts.	Volts.	Type.	Builders.	Name and official number.	
1	8	32	80	6-32-400	General Electric Co.....	Alabama (8).... 1
2	4	100	125	4-8-100-	Crocker-Wheeler Co. (Forbes engine).....	Connecticut (18). 2
4	100	125			Diehl (Terry turbine).....	
3	2	100	125	16-100-350	General Electric Co.....	Georgia (15).... 3
6	50	125		8-50-400		
4	8	32	80	6-32-400	General Electric Co.....	Illinois (7)..... 4
5	3	100	125	6-100-350	C. and C. Electric Co. (Forbes engine).....	Indiana (1)..... 5
6	8	100	125	4-100-2400	General Electric Co.....	Iowa (4)..... 6
7	8	100	125	10-100-350	General Electric Co.....	Kansas (21).... 7
8	7	50	80	6-50-310	General Electric Co.....	Kearsarge (5).... 8
9	7	50	80	6-50-310	General Electric Co.....	Kentucky (6).... 9
10	8	100	125	10-100-350	General Electric Co.....	Louisiana (19).... 10
11	4	50	80	6-50-310	General Electric Co.....	Maine (10)..... 11
4	32	80		6-32-400		
12	3	100	125	10-100-350	B. F. Sturtevant Co.....	Massachusetts (2). 12
13	8	100	125	10-100-350	General Electric Co.....	Minnesota (22).... 13
14	4	50	80	6-50-310	General Electric Co.....	Missouri (11).... 14
4	32	80		6-32-400		
15	2	100	125	10-100-350	General Electric Co.....	Nebraska (14).... 15
6	50	125		8-50-400		
16	4	100	125	8-100-350	General Electric Co.....	New Hampshire (25). 16
2	200	125		4-200-1700		
17	2	100	125	10-100-350	General Electric Co. (Sturtevant engine).....	New Jersey (16). 17
6	50	125		8-50-400		
18	4	50	80	6-50-350	Union Iron Works.....	Ohio (12)..... 18
4	32	80		4-32-400		
19	3	100	125	10-100-350	B. F. Sturtevant Co.....	Oregon (3)..... 19
20	2	100	125	10-100-350	General Electric Co. (Sturtevant engine).....	Rhode Island (17). 20
6	50	125		8-50-400		
21	8	100	125	10-100-350	General Electric Co.....	Vermont (20).... 21
22	2	100	125	8-100-350	Thresher Electric Co. (Forbes engine).....	Virginia (13).... 22
6	50	125		6-50-400		
23	4	32	80	4-32-400	Union Iron Works.....	Wisconsin (9).... 23
4	32	80		6-32-400	General Electric Co.....	

¹ Turbogenerators.

BATTLESHIPS—

Name and official number.	Submarine signal sets.			
	Sending sets.		Receiving sets. ¹	
	Number.	Type.	Number.	Type.
1 Alabama (8).....			1	J
2 Connecticut (18).....			1	E
3 Georgia (15).....			1	E
4 Illinois (7).....				
5 Indiana (1).....				
6 Iowa (4).....				
7 Kansas (21).....			1	J
8 Kearsarge (5).....				
9 Kentucky (8).....				
10 Louisiana (19).....			1	J
11 Maine (10).....			1	J
12 Massachusetts (2).....				
13 Minnesota (22).....			1	E
14 Missouri (11).....			1	J
15 Nebraska (14).....			1	J
16 New Hampshire (25).....			1	J
17 New Jersey (16).....			1	J
18 Ohio (12).....			1	J
19 Oregon (3).....				
20 Rhode Island (17).....			1	J
21 Vermont (20).....			1	J
22 Virginia (13).....			1	J
23 Wisconsin (9).....			1	E

¹ Manufactured by the Submarine Signal Co.

MIXED CALIBER—Continued.

Messes (complement).								Name and official number.	
Wardroom officers.	Junior officers.	Warrant officers.	Additional officers for flag-ship. ¹	Chief petty officers.	Men.	Marines.			
1	20	14	9	.....	30	575	56	Alabama (8)	1
2	30	15	10	(²)	37	807	64	Connecticut (18).....	2
3	30	15	10	(²)	37	761	64	Georgia (15).....	3
4	20	14	9	.....	30	575	56	Illinois (7).....	4
5	20	12	8	.....	29	561	56	Indiana (1).....	5
6	20	12	9	.....	29	567	56	Iowa (4)	6
7	30	15	10	.....	37	807	64	Kansas (21)	7
8	22	13	9	.....	30	608	56	Kearsarge (5)	8
9	22	13	9	.....	30	608	56	Kentucky (8).....	9
10	30	15	10	(²)	{ 37 *1	807 *29	64 *5	Louisiana (19).....	10
11	22	14	9	.....	30	671	56	Maine (10).....	11
12	20	12	8	.....	29	561	56	Massachusetts (2).....	12
13	30	15	10	(²)	37	807	64	Minnesota (22)	13
14	22	14	9	.....	30	671	56	Missouri (11)	14
15	30	15	10	.....	37	761	64	Nebraska (14).....	15
16	30	15	10	.....	37	807	64	New Hampshire (25).....	16
17	30	15	10	.....	37	761	64	New Jersey (16).....	17
18	22	14	9	(²)	30	671	56	Ohio (12)	18
19	20	12	8	.....	29	561	56	Oregon (3).....	19
20	30	15	10	.....	37	761	64	Rhode Island (17).....	20
21	30	15	10	.....	37	807	64	Vermont (20).....	21
22	30	15	10	.....	{ 37 *1	761 *29	64 *5	Virginia (13)	22
23	20	14	9	.....	30	575	56	Wisconsin (9).....	23

¹ Including flag officer.² Three extra officers for division flagship, 13 extra officers for C. in C. flagships.³ Additional for division complement.

BATTLESHIPS—

Name and official number.	Batteries.	
	Guns.	Torpedo tubes.
1 Alabama (8)....	4 13" 35 cal. B. L. R.; 14 6" 40 cal. R. F.; 4 3" 50 cal. R. F.; 4 6-pdr. saluting.	1
2 Connecticut (18)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 16 3" 50 cal. R. F.; 2 3' anti-air craft; 4 3-pdr. saluting.	4 21", subm...
3 Georgia (15)....	4 12" 40 cal. B. L. R.; 1 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
4 Illinois (7)....	4 13" 35 cal. B. L. R.; 14 6" 40 cal. R. F.; 4 3" 50 cal. R. F.; 4 6-pdr. saluting.	4
5 Indiana (1)....	4 13" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	5
6 Iowa (4)....	4 12" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 10 4" 40 cal. R. F.; 4 6-pdr. saluting.	6
7 Kansas (21)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
8 Kearsarge (5)....	4 13" 35 cal. B. L. R.; 1 4 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	1 18", above water.
9 Kentucky (6)....	4 13" 35 cal. B. L. R.; 1 4 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	9
10 Louisiana (19)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
11 Maine (10)....	4 12" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18", subm...
12 Massachusetts (2)....	4 13" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	12
13 Minnesota (22)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
14 Missouri (11)....	4 12" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18", subm...
15 Nebraska (14)....	4 12" 40 cal. B. L. R.; 1 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
16 New Hampshire (25)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 2 3' anti-air craft; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
17 New Jersey (16)....	4 12" 40 cal. B. L. R.; 1 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 3 3-pdr. saluting.	4 21", subm...
18 Ohio (12)....	4 12" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 4 6-pdr. saluting.	2 18", subm...
19 Oregon (3)....	4 13" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	19
20 Rhode Island (17)....	4 12" 40 cal. B. L. R.; 1 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
21 Vermont (20)....	4 12" 45 cal. B. L. R.; 8 8" 45 cal. B. L. R.; 12 7" 45 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
22 Virginia (13)....	4 12" 40 cal. B. L. R.; 1 8 8" 45 cal. B. L. R.; 12 6" 50 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	4 21", subm...
23 Wisconsin (9)....	4 13" 35 cal. B. L. R.; 14 6" 40 cal. R. F.; 4 3" 50 cal. R. F.; 4 6-pdr. saluting.	23

1 Four 8" in superposed turrets.

MIXED CALIBER—Continued.

Armor.					Protective deck, total thickness.		Name and official number.
Water-line belt amidships.	Turrets.		Barbettes.		At ends.	Amidships.	
	Size.	Thickness.	Size.	Thickness.			
<i>Inches.</i>	<i>Inches.</i>	<i>Inches.</i>	<i>In.</i>	<i>Inches.</i>	<i>Inches.</i>	<i>Inches.</i>	
1 Top 16½, bottom 9½, water line 13½.	13	14	13	15-10	For'd 2½-3... Aft 2½-4.....	2½	Alabama (8)....
2 Top 11, bottom 9, water line 11.	12 8	12-8 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Connecticut (18)....
3 Top 11, bottom 8, water line 11.	12-8 8	12-8-6 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Georgia (15)....
4 Top 16½, bottom 9½, water line 13½.	13	14	13	15-10	For'd 2½-3... Aft 2½-4.....	2½	Illinois (7).....
5 Top 18, bottom 8½, water line 18.	13 8	15 6	13 8	17 8-6	For'd 3..... Aft 3.....	2½	Indiana (1).....
6 Top 14, bottom 7, water line 14.	12 8	17-15 8-7	12 8	15-12½ 8-6	For'd 3..... Aft 3.....	2½	Iowa (4).....
7 Top 9, bottom 9, water line 9.	12 8	12-8 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Kansas (21).....
8 Top 16½, bottom 9½, water line 13½.	13-8	17-15-11-9	13	15-12½	For'd 2½-3... Aft 2½-5.....	2½	Kearsarge (5)...
9 Top 16½, bottom 9½, water line 13½.	13-8	17-15-11-9	13	15-12½	For'd 2½-3... Aft 2½-5.....	2½	Kentucky (6)...
10 Top 11, bottom 9, water line 11.	12 8	12-8 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Louisiana (19)..
11 Top 11, bottom 7½, water line 11.	12	12-11	12	12-8	For'd 2½-2½... Aft 2½-4.....	2½	Maine (10).....
12 Top 18, bottom 8½, water line 18.	13 8	15 6	13 8	17 8-6	For'd 3..... Aft 3.....	2½	Massachusetts (2).
13 Top 9, bottom 9, water line 9.	12 8	12-8 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Minnesota (22)..
14 Top 11, bottom 7½, water line 11.	12	12-11	12	12-8	For'd 2½-3... Aft 2½-4.....	2½	Missouri (11)....
15 Top 11, bottom 8, water line 11.	12-8 8	12-8-6 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Nebraska (14)...
16 Top 9, bottom 9, water line 9.	12 8	12-8 6½-6	12 8	11-7½-6 6-4	For'd 3..... Aft 3.....	1½-3	New Hampshire (25).
17 Top 11, bottom 8, water line 11.	12-8 8	12-8-6 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	New Jersey (16)....
18 Top 11, bottom 7½, water line 11.	12	12-11	12	12-8	For'd 2½-2½... Aft 2½-4.....	2½	Ohio (12).....
19 Top 18, bottom 8, water line 18.	13 8	15 6	13 8	17 8-6	For'd 3..... Aft 3.....	2½	Oregon (3).....
20 Top 11, bottom 8, water line 11.	12-8 8	12-8-6 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Rhode Island (17).
21 Top 9, bottom 9, water line 9.	12 8	12-8 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Vermont (20)...
22 Top 11, bottom 8, water line 11.	12-8 8	12-8-6 6½-6	12 8	10-7½ 6-4	For'd 3..... Aft 3.....	1½-3	Virginia (13)....
23 Top 16½, bottom 9½, water line 13½.	13	14	13	15-10	For'd 2½-3... Aft 2½-4.....	2½	Wisconsin (9)...

1 In superposed turrets.

BATTLESHIPS

Name and official number.	Rig and number of funnels.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.
1 Alabama (8)....	2 cage m.; 2 funnels, abreast.	4,228	\$2,650,000	June 10, 1896	Sept. 24, 1896
2 Connecticut (18)....	2 cage m.; 3 funnels.....	5,877	4,600,000	July 1, 1902	.....
3 Georgia (15)....	2 cage m.; 3 funnels.....	5,316	3,590,000	Mar. 3, 1899	Feb. 18, 1901
4 Illinois (7).....	2 cage m.; 2 funnels, abreast.	4,270	2,595,000	June 10, 1896	Sept. 26, 1896
5 Indiana (1).....	1 mil. m.; 1 cage m.; 2 funnels.	3,204	3,063,000	June 30, 1890	Nov. 19, 1890
6 Iowa (4).....	1 mil. m.; 1 cage m.; 2 funnels.	3,806	3,010,000	July 19, 1892	Feb. 11, 1893
7 Kansas (21).....	2 cage m.; 3 funnels.....	5,899	4,165,000	Mar. 3, 1903	June 16, 1903
8 Kearsarge (5)....	2 cage m.; 2 funnels.....	4,205	2,250,000	Mar. 2, 1895	Jan. 2, 1896
9 Kentucky (6)....	2 cage m.; 2 funnels.....	4,209	2,250,000	Mar. 2, 1895	Jan. 2, 1896
10 Louisiana (19)...	2 cage m.; 3 funnels.....	5,866	3,990,000	July 1, 1902	Oct. 15, 1902
11 Maine (10).....	2 cage m.; 3 funnels.....	4,660	2,885,000	May 4, 1898	Oct. 1, 1898
12 Massachusetts (2)....	1 mil. m.; 1 cage m.; 2 funnels.	3,204	3,063,000	June 30, 1890	Nov. 18, 1890
13 Minnesota (22)....	2 cage m.; 3 funnels.....	5,882	4,110,000	Mar. 3, 1903	June 20, 1903
14 Missouri (11)...	2 cage m.; 3 funnels.....	4,460	2,885,000	May 4, 1898	Dec. 30, 1898
15 Nebraska (14)...	2 cage m.; 3 funnels.....	5,305	3,733,600	Mar. 3, 1899	Mar. 7, 1901
16 New Hampshire (25)...	2 cage m.; 3 funnels.....	5,738	3,748,000	Apr. 27, 1904	Dec. 27, 1904
17 New Jersey (18)....	2 cage m.; 3 funnels.....	5,252	3,405,000	June 7, 1900	Feb. 15, 1901
18 Ohio (12).....	2 cage m.; 3 funnels.....	4,810	2,899,000	May 4, 1898	Oct. 5, 1898
19 Oregon (3).....	1 mil. m.; 1 cage m.; 2 funnels.	3,354	3,222,810	June 30, 1890	Nov. 19, 1890
20 Rhode Island (17)...	2 cage m.; 3 funnels.....	5,252	3,405,000	June 7, 1900	Feb. 15, 1901
21 Vermont (20)....	2 cage m.; 3 funnels.....	5,861	4,179,000	Mar. 3, 1903	June 20, 1903
22 Virginia (13)....	2 cage m.; 3 funnels.....	5,272	3,590,000	Mar. 3, 1899	Feb. 15, 1901
23 Wisconsin (9)....	2 cage m.; 2 funnels, abreast.	4,257	2,674,950	June 10, 1896	Sept. 19, 1896

¹ Limit of cost, act of Congress approved June 29, 1906.

MIXED CALIBER—Concluded.

Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Dec. 1, 1896	May 18, 1898	Sept. 24, 1899	Oct. 22, 1900	Oct. 16, 1900 Apr. 17, 1912	Alabama (8)..... 1
2 Mar. 10, 1903	Sept. 29, 1904	Mar. 15, 1906	.....	Sept. 29, 1906	Connecticut (18)..... 2
3 Aug. 31, 1901	Oct. 11, 1904	Feb. 18, 1904	Sept. 21, 1906	Sept. 24, 1906	Georgia (15)..... 3
4 Feb. 10, 1897	Oct. 4, 1898	Sept. 26, 1899	Sept. 16, 1901	Sept. 16, 1901 Apr. 15, 1912	Illinois (7)..... 4
5 May 7, 1891	Feb. 28, 1893	Nov. 19, 1893	Nov. 19, 1895	Nov. 20, 1895 May 23, 1914	Indiana (1)..... 5
6 Aug. 5, 1893	Mar. 28, 1896	Feb. 11, 1896	June 15, 1897	June 16, 1897 May 23, 1914	Iowa (4)..... 6
7 Feb. 10, 1904	Aug. 12, 1905	Dec. 16, 1906	Apr. 5, 1907	Apr. 18, 1907	Kansas (21)..... 7
8 June 30, 1896	Mar. 24, 1898	Jan. 2, 1899	Nov. 8, 1899	Feb. 20, 1900 June 17, 1912	Kearsarge (5)..... 8
9 June 30, 1896	Mar. 24, 1898	Jan. 2, 1899	Dec. 30, 1899	May 15, 1900 June 4, 1912	Kentucky (6)..... 9
10 Feb. 7, 1903	Aug. 27, 1904	Mar. 15, 1906	May 21, 1906	June 2, 1906	Louisiana (19)..... 10
11 Feb. 15, 1899	July 27, 1901	June 1, 1901	Dec. 29, 1902	Dec. 29, 1902 June 15, 1911	Maine (10)..... 11
12 June 25, 1891	June 10, 1893	Nov. 18, 1893	May 29, 1896	June 10, 1896 May 23, 1914	Massachusetts (2).... 12
13 Oct. 27, 1903	Apr. 8, 1905	Dec. 20, 1906	Mar. 4, 1907	Mar. 9, 1907	Minnesota (22).... 13
14 Feb. 7, 1900	Dec. 23, 1901	Aug. 30, 1901	Dec. 1, 1903	Dec. 1, 1903 June 1, 1911	Missouri (11)..... 14
15 July 4, 1902	Oct. 7, 1904	Mar. 7, 1904	May 31, 1907	July 1, 1907	Nebraska (14)..... 15
16 May 1, 1905	June 30, 1906	Feb. 27, 1908	Mar. 14, 1908	Mar. 19, 1908	New Hampshire (25).... 16
17 Apr. 2, 1902	Nov. 10, 1904	Feb. 15, 1904	May 12, 1906	May 12, 1906	New Jersey (18).... 17
18 Apr. 22, 1899	May 18, 1901	June 5, 1901	Sept. 10, 1904	Oct. 4, 1904 June 1, 1911	Ohio (12)..... 18
19 Nov. 19, 1891	Oct. 26, 1893	Nov. 19, 1893	June 26, 1896	July 15, 1896 Aug. 29, 1911	Oregon (3)..... 19
20 May 1, 1902	May 17, 1904	Feb. 15, 1904	Feb. 12, 1906	Feb. 19, 1906	Rhode Island (17).... 20
21 May 21, 1904	Aug. 31, 1905	Dec. 20, 1906	Feb. 11, 1907	Mar. 4, 1907	Vermont (20)..... 21
22 May 21, 1902	Apr. 5, 1904	Feb. 15, 1904	May 5, 1906	May 7, 1906	Virginia (13)..... 22
23 Feb. 9, 1897	Nov. 26, 1898	Sept. 19, 1899	Jan. 17, 1901	Feb. 4, 1901 Apr. 1, 1908	Wisconsin (9)..... 23

¹ Date of placing out of commission.

BATTLE CRUISERS.

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship fully equipped ready for sea, normal stores and fuel, and full ammunition.				
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.	Displacement (normal).	Tons per inch immersion at normal draft.
1 Number (1).....			<i>Ft. in.</i> 850 0	<i>Ft. in.</i> 90 0	<i>Ft. in.</i> 30 11	34,800	121
2 Number (2).....			850 0	90 0	30 11	34,800	121
3 Number (3).....			850 0	90 0	30 11	34,800	121
4 Number (4).....			850 0	90 0	30 11	34,800	121
5 Number (5-6).....							
Total normal displacement.....						139,200	

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial. ⁴	Total maximum I. H. P. ⁵	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Number (1).....		<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>		<i>Sq. ft.</i>	<i>Sq. ft.</i>			<i>Tons.</i>
2 Number (2).....											
3 Number (3).....											
4 Number (4).....											
5 Number (5-6).....											

- ¹ Length on designed L. W. L.
² Fitted as division flagship.
³ Authorized but not appropriated for.
⁴ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines only.
⁵ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries.

Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Name and official number.
<i>Ft. in.</i> 874 0	<i>Tons.</i>	<i>Ft. in.</i>	<i>Knots.</i> 1 35	<i>Tons.</i> 1 34,800	Number (1).....
874 0			1 35	1 34,800	Number (2).....
874 0			1 35	1 34,800	Number (3).....
874 0			1 35	1 34,800	Number (4).....
					Number (5-6).....

Generating sets.					Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.	
1					Number (1).....
2					Number (2).....
3					Number (3).....
4					Number (4).....
5					Number (5-6).....

¹ Estimated.

BATTLE

CRUISERS—Concluded.

Name and official number.	Batteries.		Torpedo tubes.	Messes (complement).							Name and official number.
	Guns.			Wardroom officers.	Junior officers.	Warrant officers.	Additional officers for flagship. ¹	Chief petty officers.	Men.	Marines.	
1 Number (1).....	10 14'' 50 cal. B. L. R.; 18 5'' 51 cal. R. F.; 4 3'' anti-air craft; 4 6-pdr. saluting.	4 21'', subm... 4 21'', above water.	1 27	18	12	.....	58	1,095	64	Number (1).....	
2 Number (2).....	10 14'' 50 cal. B. L. R.; 18 5'' 51 cal. R. F.; 4 3'' anti-air craft; 4 6-pdr. saluting.	4 21'', subm... 4 21'', above water.	2 27	18	12	.....	58	1,095	64	Number (2).....	
3 Number (3).....	10 14'' 50 cal. B. L. R.; 18 5'' 51 cal. R. F.; 4 3'' anti-air craft; 4 6-pdr. saluting.	4 21'', subm... 4 21'', above water.	3 27	18	12	.....	58	1,095	64	Number (3).....	
4 Number (4).....	10 14'' 50 cal. B. L. R. 18 5'' 51 cal. R. F.; 4 3'' anti-air craft; 4 6-pdr. saluting.	4 21'', subm... 4 21'', above water.	4 27	18	12	.....	58	1,095	64	Number (4).....	
5 Number (5-6).....			5							Number (5-6).....	

Name and official number.	Rig and number of funnels.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Number (1).....	2 cage masts; 7 funnels.....	.....	.....	Aug. 29, 1916	.....						Number (1).....
2 Number (2).....	2 cage masts; 7 funnels.....	.....	.....	Aug. 29, 1916	.....						Number (2).....
3 Number (3).....	2 cage masts; 7 funnels.....	.....	.....	Aug. 29, 1916	.....						Number (3).....
4 Number (4).....	2 cage masts; 7 funnels.....	.....	.....	Aug. 29, 1916	.....						Number (4).....
5 Number (5-6) ¹				Aug. 29, 1916	.....						Number (5-6).....

¹ Authorized but not appropriated for.¹ Including flag officer.

ARMORED

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Frederick (8) ² ...	Newport News S. B. Co., Newport News, Va.	Pacific Fleet.....	<i>Ft. in.</i> 502 0	<i>Ft. in.</i> 69 6½	<i>Ft. in.</i> 24 1
2 Huntington (5) ² ...	Newport News S. B. Co., Newport News, Va.	Pacific Fleet.....	502 0	69 6½	24 1
3 Memphis (10) ² ...	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	502 0	72 10½	25 0
4 Montana (13)....	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	502 0	72 10½	25 0
5 N. Carolina (12)...	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	502 0	72 10½	25 0
6 Pittsburgh (4) ² ...	Wm. Cramp & Sons, Philadelphia, Pa.	Pacific Fleet.....	502 0	69 6½	24 1
7 Pueblo (7) ²	Wm. Cramp & Sons, Philadelphia, Pa.	Pacific Fleet.....	502 0	69 6½	24 1
8 San Diego (6) ² ...	Union Iron Works, San Francisco, Cal.	Pacific Fleet.....	502 0	69 6½	24 1
9 S. Dakota (9) ² ...	Union Iron Works, San Francisco, Cal.	Pacific Fleet.....	502 0	69 6½	24 1
10 Seattle (11) ² ...	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	502 0	72 10½	25 0
Total normal displacement.....					

¹ Length on designed L. W. L.² Fitted as a flagship.³ Formerly Tennessee.⁴ Formerly Pennsylvania; name changed Aug. 27, 1912.⁵ Formerly California; name changed Sept. 1, 1914.⁶ Formerly Colorado; name changed Dec. 1, 1916.⁷ Formerly Maryland; name changed Dec. 1, 1916.⁸ Formerly Washington; name changed Dec. 1, 1916.⁹ Formerly West Virginia; name changed Dec. 1, 1916.

CRUISERS.

Ship, fully equipped ready for sea, normal stores, etc.—Continued.		Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
Displacement (normal). ¹	Tons per inch immersion at normal draft.							
<i>Tons.</i>	<i>Tons.</i>	<i>Ft. in.</i>	<i>Tons.</i>	<i>Ft. in.</i>	<i>Knots.</i>	<i>Tons.</i>	<i>Tons.</i>	
1 13,680	57.80	503 11	15,138	26 1	22.41	13,749	2,098	Frederick (8) 1
2 13,680	57.80	503 11	15,138	26 1	22.15	13,750	2,098	Huntington (5) ... 2
3 14,500	59.70	504 5	15,712	26 11	22.16	14,500	2,084	Memphis (10).... 3
4 14,500	59.70	504 5	15,981	26 11	22.26	14,531	2,164	Montana (13).... 4
5 14,500	59.70	504 5	15,981	26 11	21.91	14,518	2,164	N. Carolina (12) ... 5
6 13,680	57.80	504 0	15,138	26 1	22.44	13,810	1,992	Pittsburgh (4) ... 6
7 13,680	57.80	504 0	15,138	26 1	22.24	13,780	1,976	Pueblo (7) 7
8 13,680	57.80	503 11	15,138	26 1	22.20	13,750	2,233	San Diego (6).... 8
9 13,680	57.80	503 11	15,138	26 1	22.24	13,750	2,233	S. Dakota (9).... 9
10 14,500	59.70	504 5	15,712	26 11	22.27	14,500	2,062	Seattle (11)..... 10
140,080								

¹ Two-thirds full supply of ammunition and stores.

ARMORED

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Frederick (8)....	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,600	70,944	27,571	28,474	2,072
2 Huntington (5).	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,600	70,944	25,726	26,466	2,066
3 ~~Memphis (10)...~~	Vert. 3-exp. (2).	38½	63½	74½	48	16 B. & W...	1,650	70,940	26,534	27,371	2,074
4 Montana (13)...	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,590	68,000	27,489	28,280	2,106
5 N. Carolina (12).	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,590	68,000	26,038	27,274	2,104
6 Pittsburgh (4)...	Vert. 3-exp. (2).	38½	63½	74	48	20 B. & W...	1,600	68,308	28,006	29,071	2,185
7 Pueblo (7).....	Vert. 3-exp. (2).	38½	63½	74	48	20 B. & W...	1,600	68,537	26,154	27,309	2,183
8 San Diego (6)...	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,592	70,928	28,943	29,658	2,174
9 S. Dakota (9)...	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,592	70,928	28,159	28,843	2,191
10 Seattle (11).....	Vert. 3-exp. (2).	38½	63½	74	48	16 B. & W...	1,600	70,944	26,862	27,463	2,148

* Two low-pressure cylinders.

280201

CRUISERS—Continued.

Generating sets.						Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1	3	100	125	10-100-350	General Electric Co.....	Frederick (8).... 1
	4	50	125	8- 50-400		
2	3	100	125	10-100-350	General Electric Co.....	Huntington (5). 2
	4	50	125	8- 50-400		
3	6	100	125	10-100-350	General Electric Co.....	Memphis (10)... 3
4	6	100	125	8-100-350	General Electric Co.....	Montana (13)... 4
5	6	100	125	8-100-350	General Electric Co.....	N. Carolina (12). 5
6	3	100	125	10-100-350	General Electric Co.....	Pittsburgh (4).. 6
	4	50	125	8- 50-400		
7	3	100	125	10-100-350	General Electric Co.....	Pueblo (7)..... 7
	4	50	125	8- 50-400		
8	3	100	125	8-100-275	Union Iron Works.....	San Diego (6).. 8
	4	50	125	6- 50-350		
9	3	100	125	8-100-275	Union Iron Works.....	S. Dakota (9)... 9
	4	50	125	6- 50-350		
10	6	100	125	10-100-350	General Electric Co.....	Seattle (11)..... 10

ARMORED

Name and official number.	Submarine signal sets.			
	Sending sets.		Receiving sets. ¹	
	Number.	Type.	Number.	Type.
1 Frederick (8)			1	J
2 Huntington (5)			1	J
3 ~~Memphis (10)~~			1	J
4 Montana (13)			1	J
5 North Carolina (12)			1	J
6 Pittsburgh (4)			1	J
7 Pueblo (7)			1	J
8 San Diego (6)			1	I
9 South Dakota (9)			1	J
10 Seattle (11)			1	J

Name and official number.	Batteries.	
	Guns.	Torpedo tubes (submerged).
1 Frederick (8) ...	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18"
2 Huntington (5) ...	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18"
3 ~~Memphis (10)~~ ...	4 10" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 22 3" 50 cal. R. F.; 4 3-pdr. saluting.	4 21"
4 Montana (13) ...	4 10" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 22 3" 50 cal. R. F.; 2 3" anti-air craft; 4 6-pdr. saluting.	4 21"
5 N. Carolina (12) ...	4 10" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 22 3" 50 cal. R. F.; 2 3" anti-air craft; 4 6-pdr. saluting.	4 21"
6 Pittsburgh (4) ...	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18"
7 Pueblo (7)	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18"
8 San Diego (6) ...	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	2 18"
9 S. Dakota (9) ...	4 8" 45 cal. B. L. R.; 14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	2 18"
10 Seattle (11)	4 10" 40 cal. B. L. R.; 16 6" 50 cal. B. L. R.; 22 3" 50 cal. R. F.; 2 3" anti-air craft; 4 3-pdr. saluting.	4 21"

¹ Manufactured by the Submarine Signal Co.

CRUISERS—Continued.

Messes (complement).						Name and official number.
Wardroom officers.	Junior officers.	Warrant officers.	Chief petty officers.	Men.	Marines.	
1 24	14	10	32	746	64	Frederick (8)
2 24	14	10	32	746	64	Huntington (5)
3 25	14	10	34	806	64	Memphis (10)
4 25	14	10	34	806	64	Montana (13)
5 25	14	10	34	806	64	North Carolina (12)
6 24	14	10	32	746	64	Pittsburgh (4)
7 24	14	10	32	746	64	Pueblo (7)
8 24	14	10	32	746	64	San Diego (6)
9 24	14	10	32	746	64	South Dakota (9)
10 25	14	10	34	806	64	Seattle (11)

Armor.					Protective deck. Total thickness.		Name and official number.
Water-line belt amidships.	Turrets.		Barbettes.		At ends.	Amid- ships.	
	Size.	Thickness.	Size	Thick- ness.			
<i>Inches.</i> Top 6, bottom 5, water line 6.	<i>Inches.</i> 8	<i>Inches.</i> 6½-6	<i>Ins.</i> 8	<i>Inches.</i> 6	<i>Inches.</i> For'd 4..... Aft 4.....	<i>Inches.</i> 1½-4	Frederick (3)....
Top 6, bottom 5, water line 6.	8	6½-6	8	6	For'd 4..... Aft 4.....	1½-4	Huntington (5)...
Top 5, bottom 5, water line 5.	10	9-7-5	10	7-4	For'd 3..... Aft 3.....	1½-4	Memphis(10) ...
Top 5, bottom 5, water line 5.	10	9-7-5	10	8-6-4	For'd 3..... Aft 3.....	1½-4	Montana (13)...
Top 5, bottom 5, water line 5.	10	9-7-5	10	8-6-4	For'd 3..... Aft 3.....	1½-4	N. Carolina (12).
Top 6, bottom 5, water line 6.	8	6½-6	8	6	For'd 4..... Aft 4.....	1½-4	Pittsburgh (4)...
Top 6, bottom 5, water line 6.	8	6½-6	8	6	For'd 4..... Aft 4.....	1½-4	Pueblo (7).....
Top 6, bottom 5, water line 6.	8	6½-6	8	6	For'd 4..... Aft 4.....	1½-4	San Diego (6)...
Top 6, bottom 5, water line 6.	8	6½-6	8	6	For'd 4..... Aft 4.....	1½-4	S. Dakota (9)...
Top 5, bottom 5, water line 5.	10	9-7-5	10	7-4	For'd 3..... Aft 3.....	1½-4	Seattle (11).....

¹ Additional for flag complement.

ARMORED

	Name and official number.	Rig and number of funnels.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.
1	Frederick (8) ...	1 mil. m., 1 cage m., 4 funnels.	3,953	3,775,000	June 7, 1900	Jan. 24, 1901
2	Huntington (5)...	1 mil. m., 1 cage m., 4 funnels.	3,953	3,885,000	Mar. 3, 1899	Jan. 24, 1901
3	Memphis (10)...	1 mil. m., 1 cage m., 4 funnels.	.....	4,035,000	July 1, 1902	Feb. 9, 1903
4	Montana (13)...	1 mil. m., 1 cage m., 4 funnels.	4,509	3,575,000	Apr. 27, 1904	Jan. 3, 1905
5	N. Carolina (12)	1 mil. m., 1 cage m., 4 funnels.	4,509	3,575,000	Apr. 27, 1904	Jan. 3, 1905
6	Pittsburgh (4)...	1 mil. m., 1 cage m., 4 funnels.	4,000	3,890,000	Mar. 3, 1899	Jan. 10, 1901
7	Pueblo (7).....	1 mil. m., 1 cage m., 4 funnels.	4,000	\$3,780,000	June 7, 1900	Jan. 10, 1901
8	San Diego (6)...	1 mil. m., 1 cage m., 4 funnels.	4,050	3,800,000	Mar. 3, 1899	Jan. 10, 1901
9	S. Dakota (9)...	1 mil. m., 1 cage m., 4 funnels.	4,050	3,750,000	June 7, 1900	Jan. 10, 1901
10	Seattle (11).....	1 mil. m., 1 cage m., 4 funnels.	.....	4,035,000	July 1, 1902	Feb. 10, 1903

¹ Subject to possible change.

CRUISERS—Concluded.

	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1	Oct. 29, 1901	Sept. 12, 1903	Jan. 24, 1904	Apr. 18, 1905	Apr. 18, 1905	Frederick (8) 1
2	Sept. 10, 1901	Apr. 13, 1903	Jan. 24, 1904	Feb. 23, 1905	Feb. 23, 1905	Huntington (5).... 2
3	June 20, 1903	Dec. 3, 1904	Aug. 9, 1906	July 11, 1906	July 17, 1906	Memphis (10)..... 3
4	Apr. 29, 1905	Dec. 15, 1906	Jan. 3, 1908	July 10, 1908	July 21, 1908	Montana (13)..... 4
5	Mar. 21, 1905	Oct. 6, 1906	Jan. 3, 1908	Apr. 27, 1908	May 7, 1908	N. Carolina (12)... 5
6	Aug. 7, 1901	Aug. 22, 1903	Jan. 10, 1904	Mar. 9, 1905	Mar. 9, 1905	Pittsburgh (4) 6
7	Apr. 25, 1901	Apr. 25, 1903	Jan. 10, 1904	Jan. 10, 1905	Jan. 19, 1905	Pueblo (7)..... 7
8	May 7, 1902	Apr. 28, 1904	Jan. 10, 1904	July 20, 1907	Aug. 1, 1907	San Diego (6)..... 8
9	Sept. 30, 1902	July 21, 1904	Jan. 10, 1904	Nov. 19, 1907	Jan. 27, 1908	S. Dakota (9)..... 9
10	Sept. 23, 1903	Mar. 18, 1905	Aug. 10, 1906	July 30, 1906	Aug. 7, 1906	Seattle (11)..... 10

CRUISERS

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Brooklyn (3) ¹ ..	Wm. Cramp & Sons, Philadelphia, Pa.	Asiatic Fleet	<i>Ft. in.</i> 400 6	<i>Ft. in.</i> 64 8	<i>Ft. in.</i> 24 0
2 Charleston (22). ²	Newport News S. B. Co., Newport News, Va.	Tender to submarines, Canal Zone.	424 0	66 0	22 6
3 Milwaukee (21).	Union Iron Works, San Francisco, Cal.	Pacific Fleet	424 0	66 0	22 6
4 Saratoga (3) ³ ..	Wm. Cramp & Sons, Philadelphia, Pa.	Pacific Fleet	380 6	64 10	23 3
5 St. Louis (20)...	Neale & Levy, Philadelphia, Pa.	Tender to submarines, Hawaii.	424 0	66 0	22 6
Total normal displacement					

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Brooklyn (3)....	Vert. 3-exp. (2) ⁴	In. 32 47	In. 72	In. 42		5 D. E.; 2 S. E.	Sq. ft. 1,016	Sq. ft. 32,538	18,248	18,770	Tons. 1,645
2 Charleston (22).	Vert. 3-exp. (2)	36 59 ¹	69	45		16 B. & W..	1,400	64,000	26,876	27,507	1,834
3 Milwaukee (21).	Vert. 3-exp. (2)	36 59 ¹	69	45		16 B. & W..	1,400	64,000	23,698	24,504	1,861
4 Saratoga (3)...	Vert. 3-exp. (2) ⁴	32 47	72	42		12 B. & W..	989	45,708	16,947	17,401	1,607
5 St. Louis (20)...	Vert. 3-exp. (2)	36 59 ¹	69	45		16 B. & W..	1,400	64,000	26,948	27,484	1,777

¹ Length on designed L. W. L.² Fitted as a flagship.³ Formerly New York. Name changed Feb. 16, 1911.⁴ Two engines, each screw.⁵ Two low-pressure cylinders.

115.666
5.675
2.8

FIRST CLASS.

Ship, fully equipped ready for sea, normal stores, etc.—Continued.			Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.								
1	Tons. 9,215	Tons. 41.89	Ft. in. 402 7	Tons. 10,068	Ft. in. 26 6	Knots. 21.91	Tons. 8,150	Tons. 1,449	Brooklyn (3)....
2	9,700	44.85	426 6	10,839	24 10	22.04	9,681	1,818	Charleston (22).
3	9,700	44.85	426 6	10,839	24 10	22.22	9,700	1,744	Milwaukee (21).
4	8,150	39.00	384 0	8,900	26 4	21.00	8,480	1,100	Saratoga (2)....
5	9,700	44.85	426 6	10,839	24 10	22.13	9,665	1,703	St. Louis (20)...
	46,465								

Generating sets.						Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1	4	50	125	8-50-400	B. F. Sturtevant Co.....	Brooklyn (3).....
2	2	100	125	10-100-350	General Electric Co.....	Charleston (22)...
	3	50	125	8-50-400		
3	2	100	125	6-100-275	Union Iron Works.....	Milwaukee (21)...
	3	50	125	6-50-300		
4	4	50	125	6-50-400	C. & C. Electric Co. (Forbes engine).....	Saratoga (2)
5	2	100	125	10-100-350	B. F. Sturtevant Co.....	St. Louis (20).....
	3	50	125	8-50-400		

¹ Full supply ammunition and stores, normal coal.² Two-thirds full supply of ammunition and stores.³ Calculated to 6 inches below beams.

CRUISERS

Name and official number.	Batteries.	
	Guns.	Torpedo tubes (submerged).
1 Brooklyn (3)....	8 8" 35 cal. B. L. R.; 12 5" 40 cal. R. F.; 2 3" anti-air craft; 4 6-pdr saluting.	
2 Charleston (22)...	14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	
3 Milwaukee (21)...	14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	
4 Saratoga (2)....	4 8" 45 cal. B. L. R.; 10 5" 50 cal. B. L. R.; 8 3" 50 cal. R. F.; 4 3-pdr. saluting.	
5 St. Louis (20)....	14 6" 50 cal. B. L. R.; 18 3" 50 cal. R. F.; 4 3-pdr. saluting.	

Name and official number.	Rig and number of funnels.	Messrs (complement).						Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.
		Wardroom officers.	Junior officers.	Warrant officers.	Chief petty officers.	Men.	Marines.			
1 Brooklyn (3)...	2 mil. m., 3 funnels.	15	6	8	25	473	64	3,368	\$2,986,000	July 19, 1892
2 Charleston (22)...	2 mil. m., 4 funnels.	14	7	8	25	624	48	2,740,000		June 7, 1900
3 Milwaukee (21)...	2 mil. m., 4 funnels.	14	7	8	25	624	48	3,401	2,825,000	June 7, 1900
4 Saratoga (2)....	2 mil. m., 3 funnels.	14	6	8	25	428	40	2,838	2,985,000	Sept. 7, 1898
5 St. Louis (20)...	2 mil. m., 4 funnels.	14	7	8	25	624	48	2,740,000		June 7, 1900

* Additional for flag complement.

* Subject to possible change.

FIRST-CLASS—Concluded.

Armor.					Protective deck, total thickness.		Name and official number.
Water-line belt amidships.	Turrets.		Barbettes.		At ends.	A mid-ships.	
	Size.	Thickness.	Size.	Thickness.			
1 <i>Inches.</i> Top 3, bottom 3, water line 3.	<i>Inches.</i> 8	<i>Inches.</i> 5½	<i>Ins.</i> 8	<i>Inches.</i> 8-4	<i>Inches.</i> For'd 2½..... Aft 2½.....	<i>Inches.</i> 3-6	Brooklyn (3)....
2 Top 4, bottom 4, water line 4.	.....	.....	.....	.....	.....	2-3	Charleston (22)....
3 Top 4, bottom 4, water line 4.	.....	.....	.....	.....	.....	2-3	Milwaukee (21)....
4 Top 4, bottom 4, water line 4.	8	6½-6	8	6-4	For'd 2½..... Aft 2½.....	3-6	Saratoga (2)....
5 Top 4, bottom 4, water line 4.	.....	.....	.....	.....	.....	2-3	St. Louis (20)....

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Feb. 11, 1893	Aug. 2, 1893	Oct. 2, 1895	Feb. 11, 1896	Dec. 1, 1896	Dec. 1, 1896 Mar. 2, 1914	Brooklyn (3)....
2 Mar. 30, 1901	Jan. 30, 1902	Jan. 23, 1904	Mar. 30, 1904	Aug. 31, 1905	Oct. 17, 1905 Sept. 14, 1912	Charleston (22)....
3 Apr. 17, 1901	July 30, 1902	Sept. 10, 1904	Apr. 17, 1904	Dec. 6, 1906	May 11, 1906 Sept. 9, 1912	Milwaukee (21)....
4 Aug. 28, 1890	Sept. 30, 1890	Dec. 2, 1891	Jan. 1, 1893	June 17, 1893	Aug. 1, 1893 Apr. 1, 1910	Saratoga (2)....
5 Mar. 11, 1901	July 31, 1902	May 6, 1905	Mar. 11, 1904	Aug. 14, 1906	Aug. 18, 1906 Oct. 9, 1911	St. Louis (20)....

CRUISERS.

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, full stores and ammunition, normal coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Chicago ²	John Roach & Sons, Chester, Pa.	Naval Militia, Pennsylvania. ⁴	<i>Ft. in.</i> 325 0	<i>Ft. in.</i> 48 2½	<i>Ft. in.</i> 19 0
2 Columbia (12) ¹ ..	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	411 7	58 2	22 6
3 Minneapolis (13). ²	Wm. Cramp & Sons, Philadelphia, Pa.	Navy yard, Philadelphia. ³	411 7	58 2	22 6
4 Olympia (6) ²	Union Iron Works, San Francisco, Cal.	Atlantic fleet.....	340 0	53 0½	21 6
5 Number (4) ²			550 0	55 0	13 6
6 Number (5) ²			550 0	55 0	13 6
7 Number (6) ²			550 0	55 0	13 6
8 Number (7) ²			550 0	55 0	13 6
9 Number (8-13) ^{2,5,6}					
Total normal displacement.....					

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Chicago.....	Hor. 3-exp. (2)	33½	50½	76	40	6 B. & W.; 4 S. E.	<i>Sq. ft.</i> 634	<i>Sq. ft.</i> 23,253		9,000	<i>Tons.</i> 922
2 Columbia (12)...	Vert. 3-exp. (3)	42	59	92	42	8 D. E.; 2 S. E.	1,408	45,221	17,991	18,509	1,706
3 Minneapolis (13).	Vert. 3-exp. (3)	42	59	92	42	8 D. E.; 2 S. E.	1,520	50,147	20,366	20,862	1,672
4 Olympia (6).....	Vert. 3-exp. (2)	42	59	92	42	4 D. E.; 2 S. E.	824	28,299	16,850	17,313	1,163
5 Number (4).....											
6 Number (5).....											
7 Number (6).....											
8 Number (7).....											
9 Number (8-13)...											

¹ Length on designed L. W. L.² Fitted as a flagship.³ Out of commission.⁴ For date of assignment see page 177.⁵ Scout cruiser.⁶ Authorized but not appropriated for.⁷ Fitted as a flagship (Submarine Force).⁸ Fitted as a flagship (Cruiser Force).

SECOND CLASS.

Ship, fully equipped ready for sea, full stores and ammunition, etc.—Contd.	Displacement (normal).	Tons per inch immersion at normal draft.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to 6 inches below beams (42 cubic feet to the ton).	Name and official number.
	<i>Tons.</i> 4,500	<i>Tons.</i> 27.00	<i>Ft. in.</i> 342 2	<i>Tons.</i>	<i>Ft. in.</i> 22 0	<i>Knots.</i> 18.00	<i>Tons.</i> 4,546	<i>Tons.</i> 870	Chicago..... 1
1	17,350	36.87	413 1	8,270	24 6	22.80	7,387	1,561	Columbia (12)... 2
2	17,350	36.87	413 1	8,270	24 6	23.07	7,387	1,433	Minneapolis (13). 3
3	5,865	29.35	344 1	6,558	25 0	21.69	5,566	1,169	Olympia (6)..... 4
4	7,100	50.80	555 6	7,610	14 4½	35.00	7,100	.....	Number (4)..... 5
5	7,100	50.80	555 6	7,610	14 4½	35.00	7,100	.....	Number (5)..... 6
6	7,100	50.80	555 6	7,610	14 4½	35.00	7,100	.....	Number (6)..... 7
7	7,100	50.80	555 6	7,610	14 4½	35.00	7,100	.....	Number (7)..... 8
8	7,100	50.80	555 6	7,610	14 4½	35.00	7,100	.....	Number (8-13)... 9
9	53,465								

Generating sets.					Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.	
3	24	80	6-24-410	General Electric Co.....	Chicago..... 1
2	32	80	4-32-400	General Electric Co..	Columbia (12)..... 2
3	24	80	4-24-400	General Electric Co.....	Minneapolis (13)..... 3
4	32	80	8-32-400	General Electric Co.....	Olympia (6)..... 4
2	24	80	8-24-400		
					Number (4)..... 5
					Number (5)..... 6
					Number (6)..... 7
					Number (7)..... 8
					Number (8-13)..... 9

¹ Two-thirds full supply of ammunition and stores.² Full supply of ammunition and stores.³ Capacity to bottom of beams.⁴ Estimated.⁵ Normal supply of fuel and stores and full supply of ammunition.

CRUISERS

Name and official number.	Messes (complement).					Rig and number of funnels.	Protective deck amidships; total thickness.	
	Wardroom officers.	Junior officers.	Warrant officers.	Chief petty officers.	Men.		Flat.	Slope.
1 Chicago.....	13	4	7	21	356	Schooner; 2 funnels.....	<i>Inches.</i> 1½	<i>Inches.</i> 1½
2 Columbia (12).....	12	4	7	22	339	Schooner; 4 funnels.....	2½	4
3 Minneapolis (13).....	12	4	7	22	338	Schooner; 2 funnels.....	2½	4
4 Olympia (6).....	13	4	7	20	372	Schooner; 2 funnels.....	2	4½
5 Number (4).....	24	10	30	300	2 pole masts; 4 funnels.....			
6 Number (5).....	24	10	30	300	2 pole masts; 4 funnels.....			
7 Number (6).....	24	10	30	300	2 pole masts; 4 funnels.....			
8 Number (7).....	24	10	30	300	2 pole masts; 4 funnels.....			
9 Number (8-13).....								

Name and official number.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.
1 Chicago.....	1,560	889,000	Mar. 3, 1883.....	July 26, 1883.....
2 Columbia (12).....	2,536	2,725,000	June 30, 1890.....	Nov. 19, 1890.....
3 Minneapolis (13).....	2,537	2,690,000	Mar. 2, 1891.....	Aug. 31, 1891.....
4 Olympia (6).....	1,896	1,796,000	Sept. 7, 1888.....	July 10, 1890.....
5 Number (4).....			Aug. 29, 1916.....	
6 Number (5).....			Aug. 29, 1916.....	
7 Number (6).....			Aug. 29, 1916.....	
8 Number (7).....			Aug. 29, 1916.....	
9 Number (8-13)¹.....			Aug. 29, 1916.....	

¹ Does not include 18 marines.
² Subject to possible change.

³ Authorized but not appropriated for.

SECOND-CLASS—Concluded.

Batteries.		Name and official number.
Guns.	Torpedo tubes (deck.)	
1 12 4" 40 cal. R. F.; 9 3-pdr. R. F.; 2 1-pdr. R. F.....		Chicago..... 1
2 3 6" 45 cal. R. F.; 8 4" 40 cal. R. F.; 2 6-pdr. saluting.....		Columbia (12)..... 2
3 3 6" 45 cal. R. F.; 8 4" 40 cal. R. F.; 2 6-pdr. saluting.....		Minneapolis (13)..... 3
4 12 4" 40 cal. R. F.; 4 6-pdr. R. F.....		Olympia (6)..... 4
5 8 6" 52 cal. R. F.; 2 3" anti-air craft; 2 3-pdr. saluting.....	2, 21" twin...	Number (4)..... 5
6 8 6" 52 cal. R. F.; 2 3" anti-air craft; 2 3-pdr. saluting.....	do.....	Number (5)..... 6
7 8 6" 52 cal. R. F.; 2 3" anti-air craft; 2 3-pdr. saluting.....	do.....	Number (6)..... 7
8 8 6" 52 cal. R. F.; 2 3" anti-air craft; 2 3-pdr. saluting.....	do.....	Number (7)..... 8
9		Number (8-13)..... 9

Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Dec. 29, 1883	Dec. 5, 1885	Jan. 26, 1885		Apr. 17, 1889 May 14, 1909	Chicago..... 1
2 Dec. 30, 1890	July 26, 1892	May 19, 1893	Dec. 22, 1893	Apr. 23, 1894 June 22, 1915	Columbia (12)..... 2
3 Dec. 16, 1891	Aug. 12, 1893	Aug. 31, 1893	Dec. 6, 1894	Dec. 13, 1894 Nov. 17, 1906¹	Minneapolis (13)..... 3
4 June 17, 1891	Nov. 5, 1892	Apr. 1, 1893	Feb. 20, 1894	Feb. 5, 1895 Oct. 30, 1916	Olympia (6)..... 4
5					Number (4)..... 5
6					Number (5)..... 6
7					Number (6)..... 7
8					Number (7)..... 8
9					Number (8-13)..... 9

¹ Date of placing out of commission.

CRUISERS

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars.	Breadth on load water line.	Mean draft.
1 Albany ^{st 1}	Armstrong, Mitchell & Co., Newcastle on Tyne, England. ¹⁰	Pacific Reserve Fleet.	<i>Ft. in.</i> 346 0	<i>Ft. in.</i> 43 9	<i>Ft. in.</i> 16 10
2 Birmingham (2). ^{1, 4, 5}	Fore River Shipbuilding Co., Quincy, Mass.	Flagship, destroyer force, Atlantic Fleet.	420 0	47 1	16 9
3 Boston ^{1, 8}	John Roach & Sons, Chester, Pa.	Navy Yard, Puget Sound, Wash.	277 5	42 2	16 10
4 Chattanooga (16) ^{sg} .	Crescent Ship Yard, Elizabethport, N. J.	Pacific Fleet.....	292 0	44 0	15 9
5 Chester (1) ^{1, 8}	Bath Iron Works, Bath, Me.	Navy Yard, Boston, Mass.	420 0	47 1	16 9
6 Cincinnati (7) ¹ .	Navy yard, New York.....	Asiatic Fleet.....	300 0	42 0	18 0
7 Cleveland (19) ^{sg} .	Bath Iron Works, Bath, Me.	Pacific Fleet.....	292 0	44 0	15 9
8 Denver (14) ^{sg}	Neale & Levy, Philadelphia, Pa.	Pacific Fleet.....	292 0	44 0	15 9
9 Des Moines (15) ^{sg} .	Fore River Engine Co., Quincy, Mass.	Atlantic Fleet.....	292 0	44 0	15 9
10 Galveston (17) ^{sg} .	Wm. R. Trigg Co., Richmond, Va.	Asiatic Fleet.....	292 0	44 0	15 9
11 Marblehead (11). ¹	City Point Works, Boston, Mass.	Naval Militia, Oregon. ¹²	257 0	37 0	14 6
12 Montgomery (9). ²	Columbian Iron Works, Baltimore, Md.	Naval Militia, Maryland. ¹²	257 0	37 0	14 6
13 New Orleans ^{st 2}	Armstrong, Mitchell & Co., Newcastle on Tyne, England. ¹¹	Pacific Fleet.....	346 0	43 9	16 10
14 Raleigh (8) ¹	Navy yard, Norfolk, Va.....	Pacific Fleet.....	300 0	42 0	18 0
15 Salem (3) ^{1, 8}	Fore River Ship Building Co., Quincy, Mass.	Atlantic Fleet.....	420 0	47 1	16 9
16 Tacoma (18) st	Union Iron Works, San Francisco, Cal.	Navy Yard, Boston, Mass.	292 0	44 0	15 9
Total normal displacement.....					

^(st) Sheathed with teak below water line.^(sg) Sheathed with Georgia pine below water line.¹ Length on designed L. W. L.² Purchased during War with Spain.³ Fitted as a flagship.⁴ Steel.⁵ 2" N. S. water-line protection.⁶ Scout.⁷ Order of July 12, 1910, striking the Boston from the Navy list, annulled Dec. 23, 1910.⁸ To be surveyed with view to sale.⁹ Suitable for harbor service only.¹⁰ Engines and boilers built by R. & W. Hawthorn, Leslie & Co. (Ltd.), St. Peter's Works, Newcastle on Tyne, England.¹¹ Engines and boilers built by Humphreys & Tennant (Ltd.), London.¹² For date of assignment see page 177.

THIRD-CLASS.

Ship, fully equipped ready for sea, normal stores, etc. — Continued.	Displacement (normal).	Tons per inch immersion at normal draft.	Length over all.	Full-load displacement.	Draft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
1	<i>Tons.</i> 3,430	<i>Tons.</i> 23.00	<i>Ft. in.</i> 354 10	<i>Tons.</i> 3,954	<i>Ft. in.</i> 19 1	<i>Knots.</i> 20.52	<i>Tons.</i> 3,450	<i>Tons.</i> 782	Albany..... 1
2	<i>Tons.</i> 3,750	<i>Tons.</i> 31.00	<i>Ft. in.</i> 423 1	<i>Tons.</i> 4,687	<i>Ft. in.</i> 18 9	<i>Knots.</i> 24.33	<i>Tons.</i> 3,720	<i>Tons.</i> 1,433	Birmingham (2). 2
3	<i>Tons.</i> 3,000	<i>Tons.</i> 20.00	<i>Ft. in.</i> 288 3	<i>Tons.</i>	<i>Ft. in.</i> 20 10	<i>Knots.</i> 15.60	<i>Tons.</i> 3,025	<i>Tons.</i> 438	Boston..... 3
4	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 308 11	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.65	<i>Tons.</i> 3,207	<i>Tons.</i> 739	Chattanooga (16). 4
5	<i>Tons.</i> 3,750	<i>Tons.</i> 31.00	<i>Ft. in.</i> 423 1	<i>Tons.</i> 4,687	<i>Ft. in.</i> 18 9	<i>Knots.</i> 26.52	<i>Tons.</i> 3,673	<i>Tons.</i> 1,408	Chester (1)..... 5
6	<i>Tons.</i> 3,183	<i>Tons.</i> 20.00	<i>Ft. in.</i> 306 1	<i>Tons.</i> 3,339	<i>Ft. in.</i> 19 6	<i>Knots.</i> 19.91	<i>Tons.</i>	<i>Tons.</i> 727	Cincinnati (7).... 6
7	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 308 10	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.45	<i>Tons.</i> 3,202	<i>Tons.</i> 737	Cleveland (19).... 7
8	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 308 9	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.75	<i>Tons.</i> 3,200	<i>Tons.</i> 727	Denver (14)..... 8
9	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 309 10	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.65	<i>Tons.</i> 3,196	<i>Tons.</i> 705	Des Moines (15).... 9
10	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 308 10	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.41	<i>Tons.</i> 3,255	<i>Tons.</i> 741	Galveston (17).... 10
11	<i>Tons.</i> 2,072	<i>Tons.</i> 15.75	<i>Ft. in.</i> 269 6	<i>Tons.</i> 2,212	<i>Ft. in.</i> 16 3	<i>Knots.</i> 18.44	<i>Tons.</i> 2,054	<i>Tons.</i> 354	Marblehead (11). 11
12	<i>Tons.</i> 2,072	<i>Tons.</i> 15.75	<i>Ft. in.</i> 269 10	<i>Tons.</i> 2,212	<i>Ft. in.</i> 16 3	<i>Knots.</i> 19.06	<i>Tons.</i> 2,080	<i>Tons.</i> 340	Montgomery (9). 12
13	<i>Tons.</i> 3,430	<i>Tons.</i> 23.00	<i>Ft. in.</i> 354 5	<i>Tons.</i> 3,954	<i>Ft. in.</i> 19 1	<i>Knots.</i> 20.00	<i>Tons.</i>	<i>Tons.</i> 693	New Orleans.... 13
14	<i>Tons.</i> 3,183	<i>Tons.</i> 20.00	<i>Ft. in.</i> 305 10	<i>Tons.</i> 3,339	<i>Ft. in.</i> 19 6	<i>Knots.</i> 21.12	<i>Tons.</i>	<i>Tons.</i> 713	Raleigh (8)..... 14
15	<i>Tons.</i> 3,750	<i>Tons.</i> 31.00	<i>Ft. in.</i> 423 1	<i>Tons.</i> 4,687	<i>Ft. in.</i> 18 9	<i>Knots.</i> 25.95	<i>Tons.</i> 3,751	<i>Tons.</i> 1,433	Salem (3)..... 15
16	<i>Tons.</i> 3,200	<i>Tons.</i> 22.30	<i>Ft. in.</i> 308 6	<i>Tons.</i> 3,514	<i>Ft. in.</i> 17 0	<i>Knots.</i> 16.58	<i>Tons.</i> 3,211	<i>Tons.</i> 727	Tacoma (18)..... 16
50,820									

¹ One-half full supply of ammunition and stores.² 40 tons supplies and accounts, two-thirds full supply other stores and ammunition.³ Calculated to 6 inches below beams.⁴ Two-thirds full supply of ammunition and stores.⁵ Full supply of ammunition and stores.⁶ Estimated.

61918-16—4

CRUISERS

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. main engines only on trial.	Total maximum I. H. P.*	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Albany.....	Vert. 3-exp. (2).	31	46	70	30	4 D. E.....	Sq. ft. 432	Sq. ft. 13,156	7,083	*7,500	Tons. 650
2 Birmingham (2).	Vert. 3-exp. (2).	28½	45	*62	36	12 Fore River.	696	37,992	15,476	15,889	844
3 Boston.....	Hor. comp. (1).	54		74	42	8 S. E.....	382	8,920		4,300	603
4 Chattanooga (18).	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	309	13,200	5,227	5,398	435
5 Chester (1)...	Parsons turb. (4)					12 Normand.	696	32,040	25,400	28,168	801
6 Cincinnati (7)...	Vert. 3-exp. (2).	24	44½	*57	33	8 B. & W...	506	21,120	7,070	8,491	
7 Cleveland (19).	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	300	13,200	4,586	4,685	457
8 Denver (14)...	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	300	13,200	6,073	6,202	445
Des Moines (15).	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	300	13,200	5,059	5,400	452
10 Galveston (17).	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	300	13,200	4,984	5,178	448
11 Marblehead (11).	Vert. 3-exp. (2).	26½	39	63	26	3 D. E., 2 S. E.	414	11,058	4,863	5,450	429
12 Montgomery (9).	Vert. 3-exp. (2).	26½	39	63	26	6 Almy.....	242	9,300	5,543	5,584	401
13 New Orleans..	Vert. 3-exp. (2).	31	46	70	30	4 D. E.; 1 auxiliary.	480	14,378		*7,500	650
14 Raleigh (8)....	Vert. 3-exp. (2).	24	44½	*57	33	8 B. & W...	506	21,130		8,159	784
15 Salem (3).....	G. E. turbines, mechanical reduction gear.					12 Fore River.	696	37,992	*20,000		*800
16 Tacoma (18)...	Vert. 3-exp. (2).	18	29	*35½	30	6 B. & W...	300	13,200	5,233	5,424	442

* Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines only.
 * Referring to turbine ships I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries.
 * Estimated.
 * Two low-pressure cylinders.

THIRD-CLASS—Continued.

No.	Kilo-watts.	Volts.	Type.	Builders.	Generating sets.	Submarine signal sets.	Name and official number.
1	2	50	125	8-50-400	General Electric Co.....		Albany..... 1
2	3	32	125	8-32-400	General Electric Co.....	(1)	Birmingham (2)..... 2
3	2	16	80	4-16-400	General Electric Co.....		Boston.....
4	4	24	80	4-16-400	Edison dynamo (U. I. W. engine).		Chattanooga (18)..... 4
5	3	32	125	8-32-400	General Electric Co.....	(1)	Chester (1)..... 5
6	2	30	125	4-30-3600	General Electric Co.....		Cincinnati (7)..... 6
7	4	24	80	6-24-400	General Electric Co.....		Cleveland (19)..... 7
8	4	24	80	6-24-400	General Electric Co.....		Denver (14)..... 8
9	4	24	80	6-24-400	General Electric Co.....		Des Moines (15)..... 9
10	4	24	80	8-24-380	Bullock Electric Co. (Forbes engine).		Galveston (17)..... 10
11	2	16	80	4-16-400	Crocker Wheeler Co. (Forbes engine).		Marblehead (11)..... 11
12	3	50	125	8-50-400	General Electric Co.....		Montgomery (9)..... 12
13	2	50	125	8-50-400	B. F. Sturtevant Co.....		New Orleans..... 13
14	2	30	125	4-30-3600	General Electric Co.....		Raleigh (8)..... 14
15	3	32	125	8-32-400	General Electric Co.....	(1)	Salem (3)..... 15
16	4	24	80	4-24-400	Union Iron Works.....		Tacoma (18)..... 16

* Onereceiving set, type (J), manufactured by the Submarine Signal Co.
 * Turbo-generators.

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CRUISERS

Name and official number.	Batteries.	
	Guns.	Torpedo tubes.
1 Albany.....	10 5" 50 cal. B. L. R.; 2 3-pdr. R. F.....	
2 Birmingham (2).....	2 5" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 2 3-pdr. R. F.....	2 21" subm.....
3 Boston.....	2 8" 30 cal. B. L. R.; 3 6" 30 cal. R. F.; 6 6-pdr. R. F.....	
4 Chattanooga (18).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	
5 Chester (1).....	2 5" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 2 3-pdr. R. F.....	2 21" subm.....
6 Cincinnati (7).....	11 5" 40 cal. R. F.; 6 6-pdr. S. A.....	
7 Cleveland (19).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	
8 Denver (14).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	
9 Des Moines (15).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	
10 Galveston (17).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	
11 Marblehead (11).....	8 4" 40 cal. R. F.; 4 3-pdr. R. F.....	
12 Montgomery (9).....	4 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....	1 21" subm..... 1 18" subm..... 1 21" above water. 1 18" above water.
13 New Orleans.....	10 5" 50 cal. B. L. R.; 2 3-pdr. R. F.....	
14 Raleigh (8).....	11 5" 40 cal. R. F.; 6 6-pdr. R. F.....	
15 Salem (3).....	2 5" 50 cal. B. L. R.; 6 3" 50 cal. R. F.; 2 3-pdr. R. F.....	2 21" subm.....
16 Tacoma (18).....	10 5" 50 cal. B. L. R.; 8 6-pdr. R. F.....	

THIRD-CLASS—Continued.

Protective deck amidships; total thickness.		Rig and number of funnels.	Messes (complement).					Name and official number.
Flat.	Slope.		Ward-room officers.	Warrant officers.	Chief petty officers.	Men.	Marines.	
Inch.	Inch.							
1 1 1/2	3 1/2	2 mil. m.; 2 funnels.....	12	5	18	282		Albany..... 1
2		4 funnels; 2 masts.....	12	5	{ 25 331 13 144 }	18		Birmingham (2) 2
3 1 1/2	1 1/2	Schooner; 2 funnels.....	12	5	13	240		Boston..... 3
4 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259		Chattanooga (18) 4
5		4 funnels; 2 masts.....	12	5	25	326		Chester (1)..... 5
6 1	2 1/2	{ 1 pole m.; 2 funnels..... 1 radio m..... }	12	5	15	247	38	Cincinnati (7) 6
7 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259		Cleveland (19) 7
8 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259	39	Denver (14)..... 8
9 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259	19	Des Moines (15) 9
10 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259	38	Galveston (17) 10
11 1/2	1/2	Schooner; 2 funnels.....	12	5	14	222		Marblehead (11) 11
12 1/2	1/2	Schooner; 2 funnels.....	12	5	13	226		Montgomery (9) 12
13 1 1/2	3 1/2	2 mil. m.; 2 funnels.....	12	5	18	280		New Orleans..... 13
14 1	2 1/2	Schooner; 2 funnels.....	12	5	15	247		Raleigh (8)..... 14
15		4 funnels; 2 masts.....	12	5	25	326		Salem (3)..... 15
16 1/2	2 1/2	Schooner; 2 funnels.....	12	5	15	259		Tacoma (18) 16

1 Additional for flag complement.

CRUISERS

Name and official number.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.
1 Albany.....	1,121	\$1,205,000		
2 Birmingham (2).....		1,556,000	Apr. 27, 1904.....	May 17, 1905.....
3 Boston.....	1,230	619,000	Mar. 3, 1883.....	July 23, 1883.....
4 Chattanooga (16).....		1,039,366	Mar. 3, 1899.....	Dec. 14, 1899.....
5 Chester (1).....		1,688,000	Apr. 27, 1904.....	May 4, 1905.....
6 Cincinnati (7).....	934	1,100,000	Sept. 7, 1883.....	
7 Cleveland (19).....		1,041,650	Mar. 3, 1899.....	Dec. 14, 1899.....
8 Denver (14).....	1,566	1,080,000	Mar. 3, 1899.....	Dec. 14, 1899.....
9 Des Moines (15).....		1,063,000	Mar. 3, 1899.....	Dec. 14, 1899.....
10 Galveston (17).....		1,027,000	Mar. 3, 1899.....	Dec. 14, 1899.....
11 Marblehead (11).....	626	674,000	Sept. 7, 1883.....	Nov. 11, 1889.....
12 Montgomery (9).....	557	612,500	Sept. 7, 1883.....	Nov. 2, 1889.....
13 New Orleans.....	1,130	1,429,215		
14 Raleigh (8).....	934	1,100,000	Sept. 7, 1883.....	
15 Salem (3).....		1,556,000	Apr. 27, 1904.....	May 17, 1905.....
16 Tacoma (18).....	1,554	1,041,900	Mar. 3, 1899.....	Dec. 14, 1899.....

¹ Subject to possible change.² Purchase price.³ Limit of cost.

THIRD-CLASS—Concluded.

Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1.....	Jan. 14, 1899	(¹)		May 29, 1900 June 10, 1907	Albany..... 1
2 Aug. 14, 1905	May 29, 1907	Nov. 17, 1907	Apr. 10, 1908	Apr. 11, 1908	Birmingham (2).... 2
3 Nov. 15, 1883	Dec. 4, 1884	Jan. 23, 1885		May 2, 1887 June 10, 1907 ²	Boston..... 3
4 Mar. 29, 1900	Mar. 7, 1903	June 14, 1902	Mar. 3, 1905	Oct. 11, 1904 July 1, 1912	Chattanooga (16). 4
5 Sept. 25, 1905	June 26, 1907	May 4, 1908	Apr. 24, 1908	Apr. 25, 1908	Chester (1)..... 5
6 Jan. —, 1890	Nov. 10, 1892			June 16, 1894 Oct. 11, 1911	Cincinnati (7)..... 6
7 June 1, 1900	Sept. 28, 1901	June 14, 1902	Oct. 29, 1903	Nov. 2, 1903 Apr. 8, 1912	Cleveland (19)..... 7
8 June 28, 1900	June 21, 1902	June 14, 1902	Mar. 5, 1904	May 17, 1904 Jan. 4, 1912	Denver (14)..... 8
9 Aug. 28, 1900	Sept. 20, 1902	June 14, 1902	Mar. 5, 1904	Mar. 5, 1904	Des Moines (15).... 9
10 Jan. 19, 1901	July 23, 1903	June 14, 1902	June 10, 1905	Feb. 15, 1905 July 1, 1912	Galveston (17)..... 10
11 Oct. —, 1890	Aug. 11, 1892	May 11, 1892	Jan. 8, 1894	Apr. 2, 1894 Mar. 31, 1910	Marblehead (11)... 11
12 Feb. —, 1890	Dec. 5, 1891	May 2, 1892	Mar. 5, 1894	June 21, 1894 Jan. 2, 1908	Montgomery (9)... 12
13.....	Dec. 4, 1896	(¹)		Mar. 18, 1898 Nov. 15, 1909	New Orleans..... 13
14 Dec. —, 1889	Mar. 31, 1892			Apr. 17, 1894 Feb. 21, 1911	Raleigh (8)..... 14
15 Aug. 28, 1905	July 27, 1907	Mar. 17, 1908	July 27, 1908	Aug. 1, 1908	Salem (3)..... 15
16 Sept. 27, 1900	June 2, 1903	June 14, 1902	Jan. 18, 1904	Jan. 30, 1904 May 15, 1916	Tacoma (18)..... 16

¹ Date of purchase, Mar. 16, 1898.² Date of placing out of commission.

MONITORS.

Name and official number.	By whom and where built or building.	Duty or station. Nov. 1, 1916.	Ship, fully equipped ready for sea, all stores on board. Normal coal supply.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Amphitrite.....	Harlan & Hollingsworth, Wilmington, Del., and navy yard, Norfolk.	Naval Militia, Connecticut. ²	Ft. in. 259 3	Ft. in. 55 4	Ft. in. 14 6
2 Cheyenne (10) ³	Union Iron Works, San Francisco, Cal.	Submarine tender, Pacific Fleet.	252 0	50 0	12 6
3 Monadnock.....	Continental Iron Works, Vallejo, Cal., and navy yard, Mare Island.	Asiatic Fleet.....	258 6	55 5	14 6
4 Monterey.....	Union Iron Works, San Francisco, Cal.	Asiatic Fleet ⁴	256 0	59 0½	14 10
5 Ozark (7) ⁵	Newport News S. B. Co., Newport News, Va.	Submarine tender, Atlantic Fleet.	252 0	50 0	12 6
6 Tallahassee (8) ⁶	Lewis Nixon, Elizabethport, N.J.	Submarine tender, submarine base, New London, Conn.	252 0	50 0	12 6
7 Tonopah (8) ⁷	Bath Iron Works, Bath, Me.	Submarine tender, submarine base, New London, Conn.	252 0	50 0	12 6
Total normal displacement.....					

¹ Length on designed L. W. L.² Formerly Wyoming. Name changed Jan. 1, 1909³ Single turret.⁴ In reserve.⁵ Formerly Arkansas. Name changed Mar. 2, 1909⁶ Formerly Florida. Name changed June 20, 1908.⁷ Formerly Nevada. Name changed Mar. 2, 1909.⁸ For date of assignment see p. 177.

Ship fully equipped ready for sea, all stores on board, normal coal supply—Contd.		Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to 6 inches below beams (42 cubic feet to the ton).	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.							
Tons.	Tons.	Ft. in.	Tons.	Ft. in.	Knots.	Tons.	Tons.	
1 3,990	27.67	262 9	.....	14 8	10.50	3,990	277	Amphitrite..... 1
2 3,225	25.25	255 1	3,356	13 3	11.80	3,230	132	Cheyenne (10) .. 2
3 3,990	27.67	262 3	.....	14 8	11.63	3,990	395	Monadnock..... 3
4 4,084	26.74	260 11	.....	15 4	13.60	4,084	211	Monterey..... 4
5 3,225	25.25	255 1	3,356	13 3	12.03	3,215	304	Ozark (7)..... 5
6 3,225	25.25	255 1	3,356	13 3	12.40	3,225	344	Tallahassee (8). 6
7 3,225	25.25	255 1	3,356	13 3	13.04	3,250	346	Tonopah (8) ... 7
24,964								

¹ Two-thirds full supply of ammunition and stores.² And 60,816 gallons of oil fuel.

MONITORS

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.	
		H. P.	Inches.									Stroke.
			I. P.	L. P.								
		In.	In.	In.	In.		Sq. ft.	Sq. ft.			Tons.	
1 Amphitrite.....	Incl. comp. (2).....	32	48	42		4 B. & W...	314	12,240	(?)	11,600	.....	
2 Cheyenne (10)...	Vert. 3 exp. (2).....	17	26	40	24	4 B. & W...	216	8,800	2,326	2,452	265	
3 Monadnock.....	Hor. 3 exp. (2).....	19	30	52	30	4 S. E.....	200	6,242	(?)	2,163	293	
4 Monterey.....	Vert. 3 exp. (2).....	27	41	64	30	4 B. & W...	253	9,500	4,987	5,244	452	
5 Ozark (7).....	Vert. 3 exp. (2).....	17	26	40	24	4 Thornycroft.	198	9,370	1,712	1,830	252	
6 Tallahassee (9)...	Vert. 3 exp. (2).....	17	26	40	24	4 Mosher....	240	9,504	2,317	2,395	222	
7 Tonopah (8).....	Vert. 3 exp. (2).....	17	26	40	24	4 Niclausse..	220	8,876	1,942	2,004	227	

Name and official number.	Batteries.		
	Guns.		Torpedo tubes.
1 Amphitrite.....	4 10" 30 cal. B. L. R.; 2 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.		.....
2 Cheyenne (10)...	2 12" 40 cal. B. L. R.; 4 4" 50 cal. R. F.; 2 6-pdr. R. F.		.....
3 Monadnock.....	4 10" 30 cal. B. L. R.; 2 4" 40 cal. R. F.; 5 6-pdr. R. F.		.....
4 Monterey.....	2 12" 35 cal. B. L. R.; 2 10" 30 cal. B. L. R.; 6 6-pdr. R. F.		.....
5 Ozark (7).....	2 12" 40 cal. B. L. R.; 4 4" 50 cal. R. F.; 2 6-pdr. R. F.		.....
6 Tallahassee (9)...	2 12" 40 cal. B. L. R.; 4 4" 50 cal. R. F.; 3 6-pdr. R. F.		.....
7 Tonopah (8).....	2 12" 40 cal. B. L. R.; 4 4" 50 cal. R. F.; 2 6-pdr. R. F.		.....

* Estimated.

* Not ascertained.

Continued.

Generating sets.					Submarine signal sets.	Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1 { 1	24	80	4-24-400	General Electric Co.	.....	Amphitrite..... 1
1 { 1	16	80	2-16-320	Siemens Bros.		
2 4	32	80	4-32-400	Union Iron Works	(1)	Cheyenne (10).... 2
3 { 2	16	80	6-16-450	General Electric Co.	(2)	Monadnock..... 3
3 { 2	75	100-175	8-75-2400	General Electric Co.		
4 3	16	80	6-16-450	General Electric Co.	(1)	Monterey..... 4
5 4	32	80	6-32-400	General Electric Co.	(1)	Ozark (7)..... 5
6 4	32	80	6-32-400	General Electric Co.	(1)	Tallahassee (9).... 6
7 4	32	80	6-32-400	General Electric Co.	(1)	Tonopah (8)..... 7

Armor.					Protective deck amidships, total thickness.		Name and official number.
Water-line belt amidships.	Turrets.		Barbettes.		Flat.	Slope.	
	Size.	Thickness.	Size.	Thickness.			
<i>Inches.</i>	<i>Inches.</i>	<i>Inches.</i>	<i>In.</i>	<i>Inches.</i>	<i>Inches.</i>	<i>Inches.</i>	
1 Top 9, bottom 4, water line 9.	10	7½	10	11½	1½	.....	Amphitrite..... 1
2 Top 11, bottom 5, water line 8.	12	10-9	12	11-9	1½	.....	Cheyenne (10)... 2
3 Top 9, bottom 5, water line 9.	10	7½	10	11½	1½	.....	Monadnock.... 3
4 Top 13, bottom 5, water line 13.	12	8	12	13	2½	.....	Monterey..... 4
	10	7½	10	11½			
5 Top 11, bottom 5, water line 8.	12	10-9	12	11-9	1½	.....	Ozark (7)..... 5
6 Top 11, bottom 5, water line 8.	12	10-9	12	11-9	1½	.....	Tallahassee (9) 6
7 Top 11, bottom 5, water line 8.	12	10-9	12	11-9	1½	.....	Tonopah (8).... 7

* One sending set (overside) and one receiving set (type J) manufactured by the Submarine Signal Co.
 * One receiving set (type J) manufactured by the Submarine Signal Co.

MONITORS

Name and official number.	Rig and number of funnels.	Messes (complement).				Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.
		Wardroom officers.	Warrant officers.	Chief petty officers.	Men.			
1 Amphitrite.....	1 mil. m.; 1 funnel.....	14	4	15	192	.....	(¹)	Aug. 3, 1886 Mar. 3, 1887
2 Cheyenne (10).....	1 mil. m.; 1 funnel.....	13	4	15	195	.....	\$975,000	May 4, 1898
3 Monadnock.....	1 mil. m.; 1 funnel.....	14	4	15	195	*988	(¹)	Aug. 3, 1886 Mar. 3, 1887
4 Monterey.....	1 mil. m.; 1 funnel.....	14	4	15	195	*822	1,623,950	Mar. 3, 1887
5 Ozark (7).....	1 mil. m.; 1 funnel.....	13	4	15	195	.....	960,000	May 4, 1898
6 Tallahassee (9).....	1 mil. m.; 1 funnel.....	13	4	15	195	.....	925,000	May 4, 1898
7 Tonopah (8).....	1 mil. m.; 1 funnel.....	13	4	15	195	.....	962,000	May 4, 1898

¹ Appropriation to complete Amphitrite, Miantonomoh, Monadnock, Puritan, and Terror, \$3,178,046.
² Subject to possible change.

(Concluded.)

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1	1874	June 7, 1883	.....	.....	Apr. 23, 1895 June 14, 1910	Amphitrite..... 1
2 Oct. 5, 1898	Apr. 11, 1899	Sept. 8, 1900	Mar. 5, 1901	Dec. 1, 1902	Dec. 8, 1902 July 11, 1910	Cheyenne (10)... 2
3	1875	Sept. 19, 1883	.....	.....	Feb. 20, 1896 Apr. 20, 1911	Monadnock 3
4 June 14, 1889	Dec. 20, 1889	Apr. 28, 1891	June 14, 1892	Feb. 6, 1893	Feb. 13, 1893 Sept. 28, 1907	Monterey..... 4
5 Oct. 11, 1898	Nov. 14, 1899	Nov. 10, 1900	Mar. 11, 1901	Sept. 8, 1902	Oct. 28, 1902	Ozark (7)..... 5
6 Oct. 11, 1898	Jan. 23, 1899	Nov. 30, 1901	Mar. 11, 1901	May 26, 1903	June 18, 1903 Aug. 1, 1910	Tallahassee (9)... 6
7 Oct. 19, 1898	Apr. 17, 1899	Nov. 24, 1900	Mar. 19, 1901	Mar. 5, 1903	Mar. 5, 1903 May 14, 1909	Tonopah (8).... 7

DESTROYERS.

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean hull draft.
1 Allen (66).....	Bath Iron Works, Bath, Me..	Building, 91.4% complete.	<i>Ft. in.</i> 310 0	<i>Ft. in.</i> 29 10	<i>Ft. in.</i> 9 2½
2 Ammen (35).....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	289 0	26 1½	8 4
3 Aylwin (47).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	300 0	30 4	9 5
4 Balch (50).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	300 0	30 4	9 5
5 Beale (40).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	289 0	26 1½	8 4
6 Benham (49).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	300 0	30 4	9 5
7 Burrows (29).....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	289 0	26 1½	8 4
8 Caldwell (69).....	Navy yard, Mare Island.....	Building, 27.8% complete.	310 0	30 8	7 0½
9 Cassin (43).....	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	300 0	30 4	9 39
10 Conner (72).....	Wm. Cramp & Sons, Philadelphia, Pa.	Building, 16.1% complete.	310 0	30 8	8 0½
11 Conyngham (58).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	310 0	29 10	9 4½
12 Craven (70).....	Navy yard, Norfolk.....	Building, 9.1% complete.	310 0	30 8	7 9½
13 Cummings (44).....	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	300 0	30 4	9 3
14 Cushing (55).....	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet.....	300 3½	30 4½	9 5½
15 Davis (65).....	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	310 0	29 10	9 2½
16 Downes (45).....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	300 0	30 6	9 7
17 Drayton (23).....	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	289 0	26 1½	8 4

¹ Length on designed L. W. L. ² Length on designer's L. W. L. ³ Breadth molded, extreme.

Ship fully equipped ready for sea, normal stores, etc.—Continued.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Highest speed on trial.	Mean displacement on trial.	Bunker capacity oil fuel (40 cubic feet to the ton).	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.						
<i>Tons.</i> 1,071	<i>Tons.</i> 13.80	<i>Ft. in.</i> 315 3	<i>Tons.</i> 1,185	<i>Ft. in.</i> 9 9½	<i>Knots.</i> 30.00	<i>Tons.</i> 1,071	<i>Gals. & tons.</i> Allen (66)..... 1
742	12.00	293 10	883	9 5	30.45	736	67,855 (227) Ammen (35) 2
1,036	14.40	305 3	1,156	10 6	29.60	1,020	85,995 (287) Aylwin (47) 3
1,036	14.40	305 3	1,156	10 6	29.62	1,048	91,576 (306) Balch (50) 4
742	12.00	293 10	883	9 5	29.65	740	68,012 (227) Beale (40) 5
1,036	14.40	305 3	1,156	10 6	29.59	1,035	88,275 (295) Benham (49) ... 6
742	12.00	293 10	887	9 5	30.67	720	67,855 (227) Burrows (29).... 7
1,085	14.7	315 6	1,187	9 5½	32.00	1,085	Caldwell (69).... 8
1,020	14.80	305 3	1,139	10 3	30.14	1,011	93,375 (312) Cassin (43) 9
1,121	14.7	315 6	1,225	9 5½	30.00	1,121	Conner (72)..... 10
1,090	13.82	315 3	1,205	10 1½	29.63	1,106	86,768 (290) Conyngham (58) 11
1,085	14.7	315 6	1,187	9 5½	32.00	1,085	Craven (70)..... 12
1,020	14.80	305 3	1,139	10 3	30.57	1,014	93,375 (312) Cummings (44) . 13
1,050	14.37	305 3	1,171	10 6½	29.18	1,048	92,393 (309) Cushing (55).... 14
1,071	13.80	315 3	1,185	9 9½	30.36	1,065	Davis (65)..... 15
1,072	14.42	305 3	1,190	10 9½	29.07	1,106	91,591 (306) Downes (45).... 16
742	12.00	293 10	887	9 6	30.83	721	57,180 (191) Drayton (23) ... 17

¹ Estimated.

² Four-hour trial.

³ Three-hour trial.

DESTROYERS

Continued.

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial. ¹	Total maximum I. H. P. ²	Total weight of machinery.	Generating sets.					Submarine signal set.	Name and official number.	
												No.	Kilo-watts.	Volts.	Type.	Builders.			
		H. P.	I. P.	L. P.	Stroke.														
		In.	In.	In.	In.		Sq. ft.	Sq. ft.			Tons.								
1 Allen (66).....	Parsons turb. geared cruising (2).					4 Normand..	(⁴)	22,500	17,500		350	1	2	25	125	(¹) (²) (⁴)	General Electric Co.....	(⁴) Allen (66).....	1
2 Ammen (35)...	Parsons turb.(3)					4 Thornycroft.	(⁴)	19,200	14,001	(⁴)	289	2	2	10	125	*4-5-3800 *4-5-4000	Terry-Diehl.....	Ammen (35)....	2
3 Aylwin (47)....	Cramp turb. with recip. eng. (2).	13		25	12	4 White-Forster.	(⁴)	21,600	16,286	(⁴)	347	3	2	10	125	*2-10-5000	General Electric Co.....	Aylwin (47)....	3
4 Balch (50)....	Cramp turb. and recip. (2).	13		25	12	4 White-Forster.	(⁴)	21,600	17,251	(⁴)	347	4	2	10	125	*2-10-5000	General Electric Co.....	Balch (50).....	4
5 Beale (40)....	Parsons turb.(3)					4 White-Forster.	(⁴)	18,000	11,800	(⁴)	274	5	2	10	125	*2-5-5000	Terry-Diehl.....	Beale (40).....	5
6 Benham (49)...	Cramp turb. and recip. (2).	13		25	12	4 White-Forster.	(⁴)	21,600	16,610	(⁴)	347	6	2	10	125	*2-10-5000	General Electric Co.....	Benham (49)....	6
7 Burrows (29)...	Parsons turb.(3)					4 Thornycroft.	(⁴)	19,200	13,254	13,674	287	7	2	10	125	*2-5-5000	General Electric Co.....	Burrows (29)...	7
8 Caldwell (69)...	G. E. Curtis turbine mech. red. gear. (2).						(⁴)		20,000		23	8					Westinghouse Co.....	Caldwell (69)....	8
9 Cassin (43)....	Parsons turb. with recip. eng. (2).	16		24	18	4 Normand.	(⁴)	21,509	15,307	(⁴)	329	9	2	10	125	*2-10-5000	General Electric Co.....	Cassin (43).....	9
10 Conner (72)...	Parsons turbine geared cruising (3).						(⁴)		18,500		10	10						Conner (72)....	10
11 Conyngham (58)	Parsons turb. geared cruising (2).					4 White-Forster.	(⁴)	24,000	17,651	(⁴)	375	11	2	25	125	*2-25-3200	Diehl Electric Co. (Terry turbine).....	Conyngham (58)	11
12 Craven (70)....	Parsons turb. mech. red. gear. (2).						(⁴)		20,000		4	12					Westinghouse Co.....	Craven (70)....	12
13 Cummings (44)...	Parsons turb. with recip. eng. (2).	16		24	18	4 Normand.	(⁴)	21,509	16,335	(⁴)	329	13	2	10	125	*2-10-5000	General Electric Co.....	Cummings (44)...	13
14 Cushing (55)...	Curtis turb. geared cruising (2).					4 Yarrow...	(⁴)	21,500	15,280	(⁴)	360	14	2	25	125	*2-25-3600	General Electric Co.....	Cushing (55)....	14
15 Davis (65).....	Parsons turb. geared cruising (2).					4 Normand..	(⁴)	22,500	17,500		350	15	2	25	125	(¹) (²) (⁴)	Westinghouse Co.....	(⁴) Davis (65).....	15
16 Downes (45)...	Curtis turb. recip. (2).	12½		26½	14	4 Thornycroft.	(⁴)	26,456	16,475	(⁴)	386	16	2	10	125	*2-10-5000	General Electric Co.....	Downes (45)....	16
17 Drayton (23)...	Parsons turb.(3)					4 Normand..	(⁴)	19,321	15,524	(⁴)	263	17	2	10	125	*2-5-5000	General Electric Co.....	Drayton (23)...	17

¹ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines only.
² Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries.

³ Estimated.

⁴ Oil fuel.

⁵ Not ascertained.

¹ Not yet installed.
² One receiving set, type J, manufactured by the Submarine Signal Co.

³ Turbo-generators.
⁴ Geared sets.

DESTROYERS

Continued.

Name and official number.	Batteries.		Rig and number of funnels.	Messes (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.			Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.													
1 Allen (88).....	4 4" 50 cal. R. F. 21 pdr. auto. anti-air craft.	4 triple 21"	2 masts; 4 funnels.	5	9	89	.....	\$800,000	June 30, 1914	1	1	Jan. 30, 1915	May 10, 1915	.....	Jan. 30, 1917	.....	.....	Allen (88).....	1
2 Ammen (35)....	5 3" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	.....	648,000	Mar. 3, 1909	2	2	June 18, 1909	Mar. 29, 1910	Sept. 20, 1910	Apr. 18, 1911	May 20, 1911	May 23, 1911	Ammen (35).....	2
3 Aylwin (47)....	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	756,100	Mar. 4, 1911	3	3	Sept. 7, 1911	Mar. 7, 1912	Nov. 23, 1912	July 22, 1913	Jan. 17, 1914	Jan. 17, 1914 May 25, 1915	Aylwin (47).....	3
4 Balch (50).....	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	756,100	Mar. 4, 1911	4	4	Sept. 7, 1911	May 7, 1912	Dec. 21, 1912	Sept. 7, 1913	Mar. 26, 1914	Mar. 26, 1914	Balch (50).....	4
5 Beale (40).....	5 3" 50 cal. R. F.	3 twin 18"	2 masts; 3 funnels.	4	9	78	.....	654,000	June 24, 1910	5	5	Dec. 1, 1910	May 8, 1911	Apr. 30, 1912	Dec. 1, 1912	Aug. 29, 1912	Aug. 30, 1912	Beale (40).....	5
6 Benham (49)....	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	756,100	Mar. 4, 1911	6	6	Sept. 7, 1911	Mar. 14, 1912	Mar. 22, 1913	Aug. 22, 1913	Jan. 20, 1914	Jan. 20, 1914	Benham (49)....	6
7 Burrows (29)...	5 3" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	.....	665,000	May 13, 1908	7	7	Oct. 5, 1908	June 19, 1909	June 23, 1910	Oct. 5, 1910	Feb. 17, 1911	Feb. 21, 1911	Burrows (29)...	7
8 Caldwell (69)...	4 4" 50 cal. R. F. 21 pdr. auto. anti-air craft.	4 triple 21"	2 masts; 3 funnels.	5	9	89	.....	1,925,000	Mar. 3, 1915	8	8	Oct. 30, 1915	.....	.....	.....	.....	.....	Caldwell (69)...	8
9 Cassin (43).....	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	761,500	Mar. 4, 1911	9	9	Sept. 6, 1911	May 1, 1912	May 20, 1913	Sept. 6, 1913	Aug. 8, 1913	Aug. 9, 1913	Cassin (43).....	9
10 Conner (72)....	4 4" 50 cal. R. F. 21 pdr. auto. anti-air craft.	4 triple 21"	2 masts; 3 funnels.	5	9	89	.....	845,000	Mar. 3, 1915	10	10	Jan. 5, 1916	Oct. 16, 1916	.....	Aug. 20, 1917	.....	.....	Conner (72)....	10
11 Conyngham (58)	4 4" 50 cal. R. F.	4 twin 21"	2 masts; 4 funnels.	5	9	87	.....	881,000	Mar. 4, 1913	11	11	Oct. 2, 1913	July 27, 1914	July 8, 1915	Sept. 17, 1915	Jan. 20, 1916	Jan. 21, 1916	Conyngham (58)	11
12 Craven (70)....	4 4" 50 cal. R. F. 21 pdr. auto. anti-air craft.	4 triple 21"	2 masts; 3 funnels.	5	9	89	.....	1,925,000	Mar. 3, 1915	12	12	.....	.....	.....	.....	.....	11/18	Craven (70)....	12
13 Cummings (44) .	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	761,500	Mar. 4, 1911	13	13	Sept. 6, 1911	May 21, 1912	Aug. 6, 1913	Sept. 6, 1913	Sept. 19, 1913	Sept. 19, 1913	Cummings (44) .	13
14 Cushing (55)....	4 4" 50 cal. R. F.	4 twin 21"	2 masts; 4 funnels.	5	9	87	.....	854,500	Aug. 22, 1912	14	14	Dec. 11, 1912	Sept. 23, 1913	Jan. 16, 1915	Dec. 11, 1914	Aug. 21, 1915	Aug. 21, 1915	Cushing (55)....	14
15 Davis (65).....	4 4" 50 cal. R. F. 21 pdr. auto. anti-air craft.	4 triple 21"	2 masts; 4 funnels.	5	9	89	.....	800,000	June 30, 1914	15	15	Jan. 30, 1915	May 7, 1915	Aug. 15, 1916	Oct. 30, 1916	Oct. 4, 1916	Oct. 5, 1916	Davis (65).....	15
16 Downes (45)....	4 4" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	.....	777,500	Mar. 4, 1911	16	16	Sept. 8, 1911	June 27, 1912	Nov. 8, 1913	Sept. 8, 1913	Feb. 11, 1915	Feb. 11, 1915	Downes (45)....	16
17 Drayton (23)...	5 3" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	.....	644,000	May 13, 1908	17	17	Sept. 29, 1908	Aug. 19, 1909	Aug. 23, 1910	Sept. 29, 1910	Oct. 29, 1910	Oct. 29, 1910	Drayton (23)...	17

¹ Limit of cost.

DESTROYERS

Continued.

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.			Ship, fully equipped, etc.—Contd.	Displacement (normal).	Tons per inch immersion at normal draft.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Highest speed on trial.	Mean displacement on trial.	Bunker capacity oil fuel (40 cubic feet to the ton).	Name and official number.
			Length between perpendiculars. ¹	Breadth on load water line.	Mean hull draft.										
18 Duncan (46)....	Fore River S. B. Co., Quincy, Mass.	Atlantic Fleet.....	<i>Ft. in.</i> 300 0	<i>Ft. in.</i> 30 4	<i>Ft. in.</i> 9 3	18	Tons. 1,014	Tons. 14.26	<i>Ft. in.</i> 305 3	Tons. 1,133	<i>Ft. in.</i> 10 6	<i>Knots.</i> 29.14	Tons. 1,057	<i>Gallons and tons.</i> 86,720 (290)	Duncan (46)..... 18
19 Ericsson (56)...	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	300 0	30 6	9 9	19	1,090	14.50	305 3	1,211	10 8½	29.29	1,087	92,393 (309)	Ericsson (56).... 19
20 Fanning (37)...	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	289 0	26 1½	8 4	20	742	12.00	293 10	883	9 5	29.99	725	67,342 (225)	Fanning (37).... 20
21 Flusser (20)....	Bath Iron Works, Bath, Me...	Atlantic Fleet.....	289 0	26 0	8 0	21	700	11.86	293 10	902	10 0	30.41	686	324	Flusser (20)..... 21
22 Gwin (71).....	Seattle Construction & Dry Dock Co., Seattle, Wash.	Building, 10.7% complete.	310 0	30 8	8 0½	22	1,123	14.70	315 6	1,228	9 5½	30.00	* 1,123		Gwin (71)..... 22
23 Henley (39)....	Fore River S. B. Co., Quincy, Mass.	Atlantic Fleet.....	289 0	26 1½	8 4	23	742	12.00	293 10	891	9 5	30.32	767	68,901 (230)	Henley (39)..... 23
24 Jacob Jones (81).	New York Shipbuilding Co., Camden, N. J.	Atlantic Fleet.....	310 0	29 10	9 8½	24	1,150	13.92	315 3	1,265	10 8½	29.57	1,100	86,768 (290)	Jacob Jones (81). 24
25 Jarvis (38)....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	289 0	26 1½	8 4	25	742	12.00	293 10	883	9 5	30.01	777	66,707 (223)	Jarvis (38)..... 25
26 Jenkins (42)....	Bath Iron Works, Bath, Me...	Atlantic Fleet.....	289 0	26 1½	8 4	26	742	12.00	293 10	883	9 5	31.27	719	66,471 (222)	Jenkins (42)..... 26
27 Jouett (41)....	Bath Iron Works, Bath, Me...	Atlantic Fleet.....	289 0	26 1½	8 4	27	742	12.00	293 10	883	9 5	32.27	728	67,420 (225)	Jouett (41)..... 27
28 Lamson (18)....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	289 0	26 0	8 0	28	700	11.86	293 10	902	10 7	28.61	690	291	Lamson (18)..... 28
29 Manley (74)....	Bath Iron Works, Bath, Me...	Building, 35.4% complete.	310 0	30 8	7 9½	29	1,085	14.70	315 6	1,187	9 5½	32.00	* 1,085		Manley (74)..... 29
30 McCall (28)....	New York S. B. Co., Camden, N. J.	Atlantic Fleet.....	289 0	26 1½	8 4	30	742	12.00	293 10	887	9 5	30.66	738	56,282 (188)	McCall (28)..... 30
31 McDougal (54) .	Bath Iron Works, Bath, Me...	Atlantic Fleet.....	300 0	30 6	9 9½	31	1,020	14.80	305 3	1,139	9 8	30.70	1,021	97,980 (327)	McDougal (54) . 31
32 Mayrant (31)...	Wm. Cramp & Sons, Philadelphia, Pa.	Navy Yard, Philadelphia.	289 0	26 1½	8 4	32	742	12.00	293 10	887	9 5	30.22	734	59,765 (200)	Mayrant (31).... 32
33 Monaghan (32) .	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	289 0	26 1½	8 4	33	742	12.00	293 10	883	9 5	30.45	735	56,667 (190)	Monaghan (32) . 33

¹ Length on designed L. W. L. ² Length on designer's L. W. L. ³ Breadth molded, extreme.¹ Four-hour trial.² Tons of coal 42 cubic feet to the ton.³ Estimated.

DESTROYERS

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial. ¹	Total maximum I. H. P. ²	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
18 Duncan (46)....	Curtis turb. with recip. eng. (2).	12½	26½	13½	13½	4 Yarrow ...	Sq. ft. (°) 21,600	14,254	(°)	348	18
19 Ericsson (56)....	Parsons turb. (3) with recip. eng. (1).	16	24	18	18	4 Thornycroft.	(°) 26,936	17,151	(°)	364	19
20 Fanning (37)....	Parsons turb. (3).					4 Thornycroft.	(°) 18,136	12,600	(°)	272.3	20
21 Flusser (20)....	Parsons turb. (3).					4 Normand.	347 16,177	11,541	11,842	240	21
22 Gwin (71)....	Parsons turb. mech. red. gear (2).						(°) 18,750				22
23 Henley (39)....	Westinghouse turb. mech. red. gear (2).					4 Yarrow....	(°) 18,000	13,472	(°)	305	23
24 Jacob Jones (61).	Parsons turb. geared cruising.					4 Thornycroft.	(°) 23,936	17,955	(°)	371	24
25 Jarvis (38)....	Parsons turb. (3).					4 Thornycroft.	(°) 19,200	10,584	(°)	296	25
26 Jenkins (42)....	Parsons turb. (3).					4 Normand..	(°) 18,021	12,440	(°)	263	26
27 Jouett (41)....	Parsons turb. (3).					4 Normand..	(°) 18,021	12,340	(°)	263	27
28 Lamson (18)....	Parsons turb. (3).					4 Mosher....	368 18,003	10,597	11,041	251	28
29 Manley (74)....	Parsons turb. mech. reduction gearing (2).						(°) 20,000				29
30 McCall (28)....	Parsons turb. (3).					4 Thornycroft.	(°) 19,200	13,072	(°)	287	30
31 McDougal (54)...	Parsons turb. with recip. eng. (2 each).	16	24	18	18	4 Normand.	(°) 21,509	16,974	(°)	325	31
32 Mayrant (31)...	Westinghouse turb. mech. red. gear (2).					4 White-Forster.	(°) 18,000	13,140	(°)	284	32
33 Monaghan (32)...	Parsons turb. (3).					4 Thornycroft.	(°) 18,000	12,410	(°)	277	33

¹ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines only.
² Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines, together with horsepower developed by all auxiliaries.

³ Oil fuel.
⁴ Not ascertained.
⁵ Estimated.

18,530
 38,750

1312 409.302
 99.250

Continued.

No.	Kilo-watts.	Volts.	Type. ¹	Builders.	Submarine signal set.	Name and official number.
18	2	10	125	2-10-5000	General Electric Co.....	Duncan (46).... 18
19	2	25	125	(°)	Westinghouse Electric Co.....	Ericsson (56).... 19
20	2	10	125	4-10-3800	Terry-Diahl	Fanning (37) ... 20
21	2	10	125	2-10-5000	General Electric Co.....	Flusser (20).... 21
22						Gwin (71).... 22
23	2	10	125	2-10-5000	General Electric Co.....	Henley (39).... 23
24	2	25	125	2-25-3600	General Electric Co	Jacob Jones (61). 24
25	2	10	125	2-10-5000	General Electric Co.....	Jarvis (38)..... 25
26	2	10	125	2-10-5000	General Electric Co.....	Jenkins (42).... 26
27	2	10	125	2-10-5000	General Electric Co.....	Jouett (41)..... 27
28	2	10	125	2-10-5000	General Electric Co.....	Lamson (18).... 28
29						Manley (74).... 29
30	2	10	125	2-10-5000	General Electric Co.....	McCall (28)..... 30
31	2	25	125	2-25-3600	General Electric Co.....	McDougal (54).. 31
32	2	10	125	2-10-5000	General Electric Co.....	Mayrant (31).... 32
33	2	10	125	6-10-3600	Terry-Diahl	Monaghan (32) .. 33

¹ Turbo-generators.² Geared set.³ Not yet installed.

DESTROYERS

Name and official number.	Batteries.		Rig and number of funnels.	Messes (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.			
18 Duncan (46)...	44" 50 cal. R. F.	4 twin 18"	2 masts; 4 funnels.	5	9	87	779,450	Mar. 4, 1911	18
19 Ericsson (56)...	44" 50 cal. R. F.	4 twin 21"	2 masts; 4 funnels.	5	9	87	873,500	Aug. 22, 1912	19
20 Fanning (37)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 3 funnels.	4	9	78	630,500	June 24, 1910	20
21 Flusser (20)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	8	76	624,000	Mar. 2, 1907	21
22 Gwin (71)...	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 3 funnels.	5	9	89	885,000	Mar. 3, 1915	22
23 Henley (39)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	648,700	June 24, 1910	23
24 Jacob Jones (61)...	44" 50 cal. R. F.	4 twin 21"	2 masts; 4 funnels.	5	9	87	825,000	Mar. 4, 1913	24
25 Jarvis (38)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	640,000	June 24, 1910	25
26 Jenkins (42)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	654,500	June 24, 1910	26
27 Jouett (41)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	654,500	June 24, 1910	27
28 Lamson (18)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	8	76	585,000	June 29, 1908	28
29 Manley (74)...	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 3 funnels.	5	9	89	879,500	Mar. 3, 1915	29
30 McCall (28)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 4 funnels.	4	9	78	665,000	May 13, 1908	30
31 McDougal (54)...	44" 50 cal. R. F.	4 twin 21"	2 masts; 4 funnels.	5	9	89	810,000	Aug. 22, 1912	31
32 Mayrant (31)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 3 funnels.	4	9	78	664,000	May 13, 1908	32
33 Monaghan (32)...	53" 50 cal. R. F.	3 twin 18"	2 masts; 3 funnels.	4	9	78	629,000	Mar. 3, 1909	33

Continued.

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
18 Sept. 6, 1911	June 17, 1912	Apr. 5, 1913	Sept. 6, 1913	Aug. 30, 1913	Aug. 30, 1913 Dec. 9, 1915	Duncan (46)...
19 Dec. 16, 1912	Nov. 10, 1913	Aug. 22, 1914	Dec. 16, 1914	Aug. 14, 1915	Aug. 14, 1915	Ericsson (56)...
20 Dec. 6, 1910	Apr. 29, 1911	Jan. 11, 1912	Dec. 6, 1912	June 20, 1912	June 21, 1912	Fanning (37)...
21 Sept. 23, 1907	Aug. 3, 1908	July 20, 1909	Sept. 28, 1909	Sept. 29, 1909	Oct. 28, 1909	Flusser (20)...
22 Mar. 8, 1916	.....	.....	Nov. 8, 1917	.....	.....	Gwin (71)...
23 Nov. 23, 1910	July 17, 1911	Apr. 3, 1912	Nov. 28, 1912	Dec. 5, 1912	Dec. 6, 1912	Henley (39)...
24 Oct. 15, 1913	Aug. 3, 1914	May 29, 1915	Oct. 15, 1915	Feb. 10, 1916	Feb. 10, 1916	Jacob Jones (61)...
25 Dec. 3, 1910	July 1, 1911	Apr. 3, 1912	Dec. 3, 1912	Oct. 21, 1912	Oct. 22, 1912	Jarvis (38)...
26 Nov. 30, 1910	Mar. 24, 1911	Apr. 29, 1912	Nov. 30, 1912	June 14, 1912	June 15, 1912	Jenkins (42)...
27 Nov. 30, 1910	Mar. 7, 1911	Apr. 15, 1912	Nov. 30, 1912	May 24, 1912	May 25, 1912	Jouett (41)...
28 Oct. 10, 1907	Mar. 18, 1908	June 16, 1909	Oct. 10, 1909	Jan. 27, 1910	Feb. 10, 1910	Lamson (18)...
29 Dec. 30, 1915	.....	.....	Aug. 30, 1917	.....	.....	Manley (74)...
30 Oct. 5, 1908	June 8, 1909	June 4, 1910	Oct. 5, 1910	Jan. 18, 1911	Jan. 23, 1911	McCall (28)...
31 Dec. 16, 1912	July 29, 1913	Apr. 22, 1914	Sept. 16, 1914	June 16, 1914	June 16, 1914	McDougal (54)...
32 Oct. 1, 1908	Apr. 22, 1909	Apr. 23, 1910	Oct. 1, 1910	July 10, 1911	July 12, 1911 May 26, 1915 ¹	Mayrant (31)...
33 June 23, 1909	June 1, 1910	Feb. 18, 1911	June 23, 1911	June 20, 1911	June 21, 1911	Monaghan (32)...

¹ Date of placing out of commission.

DESTROYERS

Continued.

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship fully equipped ready for sea, normal stores, ammunition, and coal.			Ship fully equipped, etc.—Contd.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Highest speed on trial.	Mean displacement on trial.	Bunker capacity, oil fuel (40 cubic feet to the ton).	Name and official number.
			Length between perpendiculars. ¹	Breadth on load water line.	Mean hull draft.	Displacement (normal).							
34 Nicholson (52)...	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	¹ 300 0	² 30 4	³ 9 5 ¹ / ₂	Tons. 1,050	⁴ 305 3	Tons. 1,171	⁵ 10 5 ¹ / ₂	⁶ 29.08	Tons. 1,045	Gallons and tons. ¹ 92,393 (309)	Nicholson (52) .. 34
35 O'Brien (51)....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	¹ 300 0	² 30 4	³ 9 5 ¹ / ₂	Tons. 1,050	⁴ 305 3	Tons. 1,171	⁵ 10 5 ¹ / ₂	⁶ 29.17	Tons. 1,052	89,668 (300)	O'Brien (51) 35
36 Parker (48).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	¹ 300 0	² 30 4	³ 9 5	Tons. 1,036	⁴ 305 3	Tons. 1,156	⁵ 10 6	⁶ 29.55	Tons. 1,035	94,834 (317)	Parker (48) 36
37 Patterson (36) ..	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 883	⁵ 9 5	⁶ 29.69	Tons. 757	67,884 (227)	Patterson (36) .. 37
38 Paulding (22) ..	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 887	⁵ 9 6	⁶ 32.80	Tons. 711	56,980 (190)	Paulding (22) ... 38
39 Perkins (26)....	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 893	⁵ 10 1	⁶ 29.76	Tons. 765	55,600 (193)	Perkins (26) 39
40 Porter (59).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet	¹ 310 0	² 29 10	³ 9 4 ¹ / ₂	Tons. 1,090	⁴ 315 3	Tons. 1,205	⁵ 10 1 ¹ / ₂	⁶ 29.58	Tons. 1,108	¹ 86,768 (290)	Porter (59)..... 40
41 Preston (19)....	New York Shipbuilding Co., Camden, N. J.	Atlantic fleet	¹ 289 0	² 26 0	³ 8 0	Tons. 700	⁴ 293 10	Tons. 902	⁵ 10 11	⁶ 29.18	Tons. 719	² 290	Preston (19) 41
42 Reid (21)	Bath Iron Works, Bath, Me..	Atlantic fleet	¹ 289 0	² 26 0	³ 8 0	Tons. 700	⁴ 293 10	Tons. 902	⁵ 10 0	⁶ 31.82	Tons. 690	³ 324	Reid (21)
43 Roe (24).....	Newport News Shipbuilding Co., Newport News, Va.	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 887	⁵ 10 11	⁶ 29.60	Tons. 711	56,211 (188)	Roe (24)
44 Rowan (64).....	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet.....	¹ 310 0	² 29 10	³ 9 6	Tons. 1,111	⁴ 315 3	Tons. 1,225	⁵ 10 8 ¹ / ₂	⁶ 29.57	Tons. 1,135	.....	Rowan (64)..... 44
45 Sampson (63)...	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet.....	¹ 310 0	² 29 10	³ 9 6	Tons. 1,111	⁴ 315 3	Tons. 1,225	⁵ 10 8 ¹ / ₂	⁶ 29.52	Tons. 1,130	.....	Sampson (63) ... 45
46 Shaw (68).....	Navy yard, Mare Island.....	Building, 89.0% complete.	¹ 310 0	² 29 10	³ 9 5 ¹ / ₂	Tons. 1,110	⁴ 315 3	Tons. 1,224	⁵ 10 8 ¹ / ₂	⁶ 29.50	¹ 1,110	.....	Shaw (68)..... 46
47 Smith (17).....	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic fleet	¹ 289 0	² 26 0	³ 8 0	Tons. 700	⁴ 293 10	Tons. 902	⁵ 10 7	⁶ 28.35	Tons. 716	³ 305	Smith (17)
48 Sterett (27)	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 893	⁵ 10 1	⁶ 30.37	Tons. 754	57,703 (193)	Sterett (27)
49 Stockton (73)...	Wm. Cramp & Sons, Philadelphia, Pa.	Building, 16.1% complete.	¹ 310 0	² 30 8	³ 8 0 ¹ / ₂	Tons. 1,121	⁴ 315 6	Tons. 1,238	⁵ 9 5 ¹ / ₂	⁶ 30.00	¹ 1,121	.....	Stockton (73) ... 49
50 Terry (25).....	Newport News Shipbuilding Co., Newport News, Va.	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293 10	Tons. 887	⁵ 10 11	⁶ 30.24	Tons. 722	55,795 (186)	Terry (25)
51 Trippe (33).....	Bath Iron Works, Bath, Me...	Atlantic Fleet.....	¹ 289 0	² 26 1 ¹ / ₂	³ 8 4	Tons. 742	⁴ 293.10	Tons. 883	⁵ 9 5	⁶ 30.89	Tons. 733	69,824 (233)	Trippe (33) 51

¹ Length on designed L. W. L.
² Length on designer's L. W. L.³ Breadth molded, extreme.⁴ Estimated. ⁵ Tons of coal 42 cubic feet to the ton. ⁶ Four-hour trial. ⁷ Three-hour trial.

DESTROYERS

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
		In.	In.	In.	In.		Sq. ft.	Sq. ft.			Tons.
34 Nicholson (52)...	Cramp turb. with recip. eng. (2 each).	13	25	12	4	White-Forster.	(⁵)	21,600	15,906	(⁵)	351
35 O'Brien (51)....	Cramp turb. with recip. eng. (2 each).	13	25	12	4	White-Forster.	(⁵)	21,600	16,275	(⁵)	351
36 Parker (48).....	Cramp turb. and recip. (2).	13	25	12	4	White-Forster.	(⁵)	21,600	16,680	(⁵)	347
37 Patterson (36)...	Parsons turb. (3)				4	White-Forster.	(⁵)	18,000	12,622	(⁵)	270.8
38 Paulding (22)...	Parsons turb. (3)				4	Normand..	(⁵)	19,320	17,393	(⁵)	269
39 Perkins (28)....	Curtis turb. (2).				4	Yarrow....	(⁵)	18,000	11,668	(⁵)	301
40 Porter (59).....	Parsons turb. geared cruising. (2).				4	White-Forster.	(⁵)	24,000	18,334		375
41 Preston (19)....	Parsons turb. (3)				4	Thornycroft.	333	19,200	10,918	11,356	255
42 Reid (21).....	Parsons turb. (3)				4	Normand..	347	16,177	12,421	12,734	228
43 Roe (24).....	Parsons turb. (3)				4	Thornycroft.	(⁵)	18,000	11,789	12,297	277
44 Rowan (64)....	Curtis turb. geared cruising. (2).				4	Yarrow....	(⁵)	21,500	17,974		382
45 Sampson (63)...	Curtis turb. geared cruising. (2).				4	Yarrow....	(⁵)	21,500	17,696		388
46 Shaw (68).....	Parsons turb. geared cruising. (2)							17,000			
47 Smith (17).....	Parsons turb. (3)				4	Mosher....	368	18,003	9,946	10,362	250
48 Sterett (27)....	Curtis turb. (2).				4	Yarrow....	(⁵)	18,000	12,789	(⁵)	300
49 Stockton (73)...	Parsons turbine geared cruising (3).						(⁵)	18,500			
50 Terry (25).....	Parsons turb. (3)				4	Thornycroft.	(⁵)	18,000	13,350	(⁵)	277
51 Trippe (33).....	Parsons turb. (3)				4	Normand..	(⁵)	19,320	14,978	(⁵)	270

¹ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines only.
² Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries.
³ Not ascertained.
⁴ Estimated.
⁵ Oil fuel.

Continued.

No.	Kilo-watts.	Volts.	Type.	Builders.	Submarine signal set.	Name and official number.
34	2	25	18-25-3200	Terry-Diehl		Nicholson (52)....
35	2	25	18-25-3200	Terry-Diehl		O'Brien (51)....
36	2	10	12-10-5000	General Electric Co.		Parker (48).....
37	2	10	12-10-5000	General Electric Co.		Patterson (36)....
38	2	10	12-10-5000	General Electric Co.		Paulding (22)....
39	2	10	12-10-5000	General Electric Co.		Perkins (28).....
40	2	25	18-25-3200	Terry-Diehl		Porter (59).....
41	2	10	12-10-5000	General Electric Co.		Preston (19).....
42	2	10	12-10-5000	General Electric Co.		Reid (21).....
43	2	10	12-10-5000	General Electric Co.		Roe (24).....
44	2	25	18-25-3200	Westinghouse Co.	(³)	Rowan (64).....
45	2	25	(²) (⁴)	Westinghouse Co.	(³)	Sampson (63)....
46				Westinghouse Co.		Shaw (68).....
47	2	10	12-10-5000	General Electric Co.		Smith (17).....
48	2	10	12-10-5000	General Electric Co.		Sterett (27)....
49						Stockton (73)....
50	2	10	12-10-5000	General Electric Co.		Terry (25).....
51	2	10	12-10-5000	General Electric Co.		Tripp (33).....

¹ Turbo-generators.² Not yet installed.³ One receiving set, type J, manufactured by the Submarine Signal Co.⁴ Geared set.

258,469
+ 18,500
Total 276,969
+ 15,750

DESTROYERS

Name and official number.	Batteries.		Rig and number of funnels.	Messrs (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.			
34 Nicholson (52)...	4 4" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	\$842,000	Aug. 22, 1912
35 O'Brien (51).....	4 4" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	842,000	Aug. 22, 1912
36 Parker (48).....	4 4" 50 cal. R. F.	4 twin 18".	2 masts; 4 funnels.	5	9	87	.....	756,100	Mar. 4, 1911
37 Patterson (38)...	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	637,000	Mar. 3, 1909
38 Paulding (32)...	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 4 funnels.	4	9	78	.....	644,000	May 13, 1908
39 Perkins (26).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	610,000	May 13, 1908
40 Porter (59).....	4 4" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	881,000	Mar. 4, 1913
41 Preston (19).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 4 funnels.	4	8	76	.....	645,000	June 29, 1908
42 Reid (21).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 4 funnels.	4	8	76	.....	624,000	Mar. 2, 1907
43 Roe (24).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	620,000	May 13, 1908
44 Rowan (64).....	4 4" 50 cal. R. F.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....	795,000	June 30, 1914
45 Sampson (63)...	4 4" 50 cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....	795,000	June 30, 1914
46 Shaw (68).....	4 4" 50 cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....	925,000	June 30, 1914
47 Smith (17).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 4 funnels.	4	8	76	.....	585,000	June 29, 1908
48 Sterett (37).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	610,000	May 13, 1908
49 Stockton (73)...	4 4" 50 cal. R. F.; 2 1-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 3 funnels.	5	9	89	.....	845,000	Mar. 3, 1915
50 Terry (35).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	620,000	May 13, 1908
51 Trippe (33).....	5 3" 50 cal. R. F.	3 twin 18".	2 masts; 4 funnels.	4	9	78	.....	659,500	Mar. 3, 1909

¹ Limit of cost.

Continued.

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
Dec. 7, 1912	Sept. 8, 1913	Aug. 19, 1914	Nov. 22, 1914	Apr. 30, 1915	Apr. 30, 1915	Nicholson (52)...
Dec. 7, 1912	Sept. 8, 1913	July 20, 1914	Nov. 7, 1914	May 22, 1915	May 22, 1915	O'Brien (51).....
Sept. 7, 1911	Mar. 11, 1912	Feb. 8, 1913	Aug. 7, 1913	Dec. 29, 1913	Dec. 30, 1913	Parker (48).....
June 14, 1909	Apr. 27, 1910	Apr. 29, 1911	June 14, 1911	Oct. 7, 1911	Oct. 11, 1911	Patterson (38)...
Sept. 29, 1908	July 24, 1909	Apr. 12, 1910	Sept. 29, 1910	Sept. 27, 1910	Sept. 29, 1910	Paulding (32)...
Oct. 1, 1908	Mar. 22, 1909	Apr. 9, 1910	Sept. 1, 1910	Nov. 15, 1910	Nov. 18, 1910	Perkins (26)....
Oct. 2, 1913	Feb. 24, 1914	Aug. 26, 1915	Oct. 2, 1915	Apr. 17, 1916	Apr. 17, 1916	Porter (59).....
Sept. 28, 1907	Apr. 28, 1908	July 14, 1909	Sept. 28, 1909	Dec. 21, 1909	Dec. 24, 1909	Preston (19)....
Sept. 28, 1907	Aug. 3, 1908	Aug. 17, 1909	Sept. 28, 1909	Oct. 27, 1909	Dec. 3, 1909	Reid (21).....
Oct. 12, 1908	Jan. 18, 1909	July 24, 1909	Oct. 12, 1910	Sept. 15, 1910	Sept. 17, 1910	Roe (24).....
Dec. 19, 1914	May 10, 1915	Mar. 23, 1916	Dec. 19, 1916	Aug. 19, 1916	Aug. 22, 1916	Rowan (64).....
Dec. 19, 1914	Apr. 21, 1915	Mar. 4, 1916	Nov. 19, 1916	June 23, 1916	June 27, 1916	Sampson (63)...
Dec. 30, 1914	Feb. 7, 1916	.....	.....	.....	.....	Shaw (68).....
Oct. 10, 1907	Mar. 18, 1908	Apr. 20, 1909	Oct. 10, 1909	Nov. 24, 1909	Nov. 26, 1909	Smith (17).....
Oct. 1, 1908	Mar. 22, 1909	May 12, 1910	Oct. 1, 1910	Dec. 12, 1910	Dec. 15, 1910	Sterett (37).....
Jan. 5, 1916	Oct. 16, 1916	.....	Sept. 5, 1917	.....	.....	Stockton (73)...
Oct. 12, 1908	Feb. 8, 1909	Aug. 21, 1909	Oct. 12, 1910	Oct. 12, 1910	Oct. 18, 1910	Terry (35).....
June 15, 1909	Apr. 12, 1910	Dec. 20, 1910	June 15, 1911	Mar. 21, 1911	Mar. 23, 1911	Trippe (33).....

DESTROYERS

Continued.

Name and official number.	By whom and where built or building.	Duty or station, Nov. 1, 1916.	Ship fully equipped ready for sea, normal stores, ammunition, and coal.			Ship fully equipped ready for sea, normal stores, etc.—Continued.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Highest speed on trial.	Mean displacement on trial.	Bunker capacity, oil fuel (40 cubic feet to the ton).	Name and official number.
			Length between perpendiculars. ¹	Breadth on load water line.	Mean hull draft.	Displacement (normal).							
52 Tucker (57).....	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet	<i>Ft. in.</i> 3310 0	<i>Ft. in.</i> 29 10	<i>Ft. in.</i> 9 4½	<i>Tons.</i> 1,090	<i>Ft. in.</i> 315 3	<i>Tons.</i> 1,205	<i>Ft. in.</i> 10 4½	<i>Knots.</i> 29.56	<i>Tons.</i> 1,103	<i>Gallons and tons.</i> 86,768 (290)	Tucker (57)..... 52
53 Wadsworth (80)	Bath Iron Works, Bath, Me..	Atlantic Fleet	3310 0	29 10	9 2½	1,060	315 3	1,174	10 0½	30.67	1,034	86,768 (290)	Wadsworth (80) 53
54 Wainwright (62)	New York Shipbuilding Co., Camden, N. J.	Atlantic Fleet	3310 0	29 10	9 8½	1,150	315 3	1,265	10 8½	29.67	1,111	86,768 (290)	Wainwright (62) 54
55 Walke (34).....	Fore River Shipbuilding Co., Quincy, Mass.	Atlantic Fleet	289 0	26 1½	8 4	742	293 10	889	9 5	29.78	772	60,182 (201)	Walke (34)..... 55
56 Warrington (30).	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet	289 0	26 1½	8 4	742	293 10	887	9 5	30.12	729	59,777 (200)	Warrington (30). 56
57 Wilkes (67).....	Wm. Cramp & Sons, Philadelphia, Pa.	Building, 95.1% complete.	310 0	29 10	9 5½	1,110	315 3	1,224	10 8½	29.58	1,121		Wilkes (67)..... 57
58 Winslow (53)...	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet	3300 0	30 4	9 5½	1,050	305 3	1,171	10 5½	29.05	1,041	92,393 (309)	Winslow (53).... 58
59 Number (75).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (75)..... 59
60 Number (76).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (76)..... 60
61 Number (77).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (77)..... 61
62 Number (78).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (78)..... 62
63 Number (79).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (79)..... 63
64 Number (80).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (80)..... 64
65 Number (81).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (81)..... 65
66 Number (82).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (82)..... 66
67 Number (83).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (83)..... 67
68 Number (84).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (84)..... 68
69 Number (85).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (85)..... 69
70 Number (86).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (86)..... 70
71 Number (87).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (87)..... 71
72 Number (88).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (88)..... 72
73 Number (89).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (89)..... 73
74 Number (90).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (90)..... 74
75 Number (91).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (91)..... 75
76 Number (92).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (92)..... 76
77 Number (93).....			310 0	30 10½	9 1½	1,185	31 4½	1,278	9 8	35	1,185		Number (93)..... 77
78 Number (94).....			310 0	30 10½	9 1½	1,185	314 4½	1,278	9 8	35	1,185		Number (94)..... 78
79 Number (95-124).....													Number (95-124)..... 79
Total normal displacement.....						77,196							

¹ Length on designed L. W. L.
² Length on designers L. W. L.

³ Breadth molded, extreme.
⁴ Authorized but not appropriated for.

⁵ 3½-hour trial.
⁶ Four-hour trial.

⁷ Estimated.

⁸ Three-hour trial.

DESTROYERS

Continued.

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial. ¹	Total maximum I. H. P. ²	Total weight of machinery.	Generating sets.					Submarine signal set.	Name and official number.
		H. P.	I. P.	L. P.	Stroke.							No.	Kilo-watts.	Volts.	Type.	Builders.		
52 Tucker (57).....	Curtis turb. geared cruising. (2).	In.	In.	In.	In.	4 Yarrow	Sq. ft. (°)	Sq. ft. 21,500	16,399	(°)	369	62	25	125	12-25-3600	General Electric Co.....		Tucker (57)..... 52
53 Wadsworth (60)	Parsons turb. with reduction gear. (2).					4 Normand..	(°)	21,500	16,091	(°)	323	63	25	125	12-25-3600	General Electric Co.....		Wadsworth (60).. 53
54 Wainwright (62)	Parsons turb. geared cruising. (2).					4 Thornycroft.	(°)	23,936	17,955		367	64	25	125	12-25-3600	General Electric Co.....		Wainwright (62).. 54
55 Walke (34).....	Curtis (2).....					4 Yarrow....	(°)	18,000	12,573	(°)	303	65	10	125	12-10-5000	General Electric Co.....		Walke (34) 55
56 Warrington (30).	Zoelly turb. (2).					4 White-Forster.	(°)	18,000	12,846	13,333	283	66	10	125	12-10-5000	General Electric Co.....		Warrington (30). 56
57 Wilkes (67).....	Parsons turb. geared cruising. (2).					<i>N-f</i>	(°)		17,000			67				Westinghouse Co.....		Wilkes (67) 57
58 Winslow (53)...	Cramp turb. with recip. eng. (2 each).	13		25	12	4 White-Forster.	(°)	21,600	15,984	(°)	351	68	25	125	(1) K-8	Terry-Diehl.....		Winslow (53)..... 58
59 Number (75).....												69						Number (75)..... 59
60 Number (76).....												70						Number (76)..... 60
61 Number (77).....												71						Number (77)..... 61
62 Number (78).....												72						Number (78)..... 62
63 Number (79).....												73						Number (79)..... 63
64 Number (80).....												74						Number (80)..... 64
65 Number (81).....												75						Number (81)..... 65
66 Number (82).....												76						Number (82)..... 66
67 Number (83).....												77						Number (83)..... 67
68 Number (84).....												78						Number (84)..... 68
69 Number (85).....												79						Number (85)..... 69
70 Number (86).....												80						Number (86)..... 70
71 Number (87).....												81						Number (87)..... 71
72 Number (88).....												82						Number (88)..... 72
73 Number (89).....												83						Number (89)..... 73
74 Number (90).....												84						Number (90)..... 74
75 Number (91).....												85						Number (91)..... 75
76 Number (92).....												86						Number (92)..... 76
77 Number (93).....												87						Number (93)..... 77
78 Number (94).....												88						Number (94)..... 78
79 Number (95-124).....												89						Number (95-124)..... 79

¹ Having reference to turbine ships; I. H. P. corresponds to S. H. P. developed by main turbines only.
² Having reference to turbine ships; I. H. corresponds to S. H. P. developed by main turbines together with horsepower developed by all auxiliaries.
 ° Not ascertained. ° Estimated. ° Oil fuel.

¹ Turbogenerators.

9600
173

DESTROYERS

Continued.

Name and official number.	Batteries.		Rig and number of funnels.	Messes (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.										
52 Tucker (57).....	44" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	\$361,000	Mar. 4, 1913	Sept. 22, 1913	Nov. 9, 1914	May 4, 1915	Sept. 22, 1915	Apr. 11, 1916	Apr. 11, 1916	Tucker (57).....
53 Wadsworth (60)	44" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	884,000	Mar. 4, 1913	Oct. 15, 1913	Feb. 23, 1914	Apr. 29, 1915	Oct. 15, 1915	July 23, 1915	July 23, 1915	Wadsworth (60)
54 Wainwright (62)	44" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	825,000	Mar. 4, 1913	Oct. 15, 1913	Sept. 1, 1914	June 12, 1915	Oct. 15, 1915	May 12, 1916	May 12, 1916	Wainwright (62)
55 Walke (34).....	53" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	644,000	Mar. 3, 1909	June 29, 1909	Mar. 5, 1910	Nov. 3, 1910	June 29, 1911	July 18, 1911	July 22, 1911	Walke (34).....
56 Warrington (30).	53" 50 cal. R. F.	3 twin 18".	2 masts; 3 funnels.	4	9	78	.....	664,000	May 13, 1908	Oct. 1, 1908	June 21, 1909	June 18, 1910	Oct. 1, 1910	Mar. 17, 1911	Mar. 20, 1911	Warrington (30).
57 Wilkes (67).....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....	812,309	June 30, 1914	Jan. 28, 1915	Mar. 11, 1915	May 18, 1916	Nov. 28, 1916	Nov. 10, 1916	Nov. 10, 1916	Wilkes (67).....
58 Winslow (53)...	44" 50 cal. R. F.	4 twin 21".	2 masts; 4 funnels.	5	9	87	.....	842,000	Aug. 22, 1912	Dec. 7, 1912	Oct. 1, 1913	Feb. 11, 1915	Dec. 7, 1914	Aug. 7, 1915	Aug. 7, 1915	Winslow (53)...
59 Number (75)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (75)....
60 Number (76)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (76)....
61 Number (77)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (77)....
62 Number (78)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	4 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (78)....
63 Number (79)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (79)....
64 Number (80)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (80)....
65 Number (81)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (81)....
66 Number (82)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (82)....
67 Number (83)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21".	2 masts; 4 funnels.	5	9	89	.....		Aug. 29, 1916							Number (83)....

DESTROYERS

(Concluded.)

Name and official number.	Batteries.		Rig and number of funnels.	Messes (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.										
68 Number (84)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (84)....
69 Number (85)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (85)....
70 Number (86)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (86)....
71 Number (87)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (87)....
72 Number (88)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (88)....
73 Number (89)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (89)....
74 Number (90)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (90)....
75 Number (91)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (91)....
76 Number (92)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (92)....
77 Number (93)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (93)....
78 Number (94)....	44" 50 cal. R. F.; 21-pdr. auto. anti-aircraft.	4 triple 21"	2 masts; 4 funnels.	5	9	89			Aug. 29, 1916							Number (94)....
79 Number (95-124)									Aug. 29, 1916							Number (95-124)

* Authorized but not appropriated for.

COAST TORPEDO

[Destroyers not served.]

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean hull draft.
1 Bainbridge (1).....	Neafie & Levy, Philadelphia, Pa.	Asiatic Fleet.....	<i>Ft. in.</i> 245 0	<i>Ft. in.</i> 23 1	<i>Ft. in.</i> 6 6
2 Barry (2).....	Neafie & Levy, Philadelphia, Pa.	Asiatic Fleet.....	245 0	23 1	6 6
3 Chauncey (3).....	Neafie & Levy, Philadelphia, Pa.	Asiatic Fleet.....	245 0	23 1	6 6
4 Dale (4).....	Wm. R. Trigg Co., Richmond, Va.	Asiatic Fleet.....	245 0	23 1	6 6
5 Decatur (5).....	Wm. R. Trigg Co., Richmond, Va.	Asiatic Fleet.....	245 0	23 1	6 6
6 Hopkins (6).....	Harlan & Hollingsworth Co., Wilmington, Del.	Pacific Fleet.....	238 9	23 1½	6 0
7 Hull (7).....	Harlan & Hollingsworth Co., Wilmington, Del.	Pacific Fleet.....	238 9	23 1½	6 0
8 Lawrence (8).....	Fore River Engine Co., Weymouth, Mass.	Pacific Fleet.....	240 7	22 2½	6 2
9 Macdonough (9).....	Fore River Engine Co., Weymouth, Mass.	Atlantic Fleet *.....	240 7	22 2½	6 2
10 Paul Jones (10).....	Union Iron Works, San Francisco, Cal.	Pacific Fleet.....	245 0	23 1	6 6
11 Perry (11).....	Union Iron Works, San Francisco, Cal.	Pacific Fleet.....	245 0	23 1	6 6
12 Preble (12).....	Union Iron Works, San Francisco, Cal.	Pacific Fleet.....	245 0	23 1	6 6
13 Stewart (13).....	Gas Engine & Power Co. and Chas. L. Seabury & Co., Cons., Morris Heights, N. Y.	Pacific Fleet.....	245 0	23 1	6 6
14 Truxtun (14).....	Maryland Steel Co., Sparrows Point, Md.	Pacific Fleet.....	248 0	22 3½	6 0
15 Whipple (15).....	Maryland Steel Co., Sparrows Point, Md.	Pacific Fleet.....	248 0	22 3½	6 0
16 Worden (16).....	Maryland Steel Co., Sparrows Point, Md.	Atlantic Fleet *.....	248 0	22 3½	6 0
Total normal displacement.....					

¹ Length on designed L. W. L.

* Acting as tender to submarines.

VESSELS.

[able for duty with fleet.]

Ship, fully equipped ready for sea, normal stores, etc.—Continued.	Length over all.	Full-load displacement. ¹	Draft aft at designed full load.	Highest speed on trial.	Mean displacement on trial.	Bunker capacity to bottom of beams (42 cubic feet to the ton).	Name and official number.
Displacement (normal). Tons per inch immersion at normal draft.							
<i>Tons.</i> 420	<i>Ft. in.</i> 250 0	<i>Tons.</i> 592	<i>Ft. in.</i> 9 4	<i>Knots.</i> 28.45	<i>Tons.</i> 452	<i>Tons.</i> 183	Bainbridge (1)..... 1
420	9.40	250 0	592	9 4	28.13	462	183 Barry (2)..... 2
420	9.40	250 0	592	9 4	28.64	460	183 Chauncey (3).... 3
420	9.40	250 0	592	9 2	28.00	457	187 Dale (4)..... 4
420	9.40	250 0	592	9 2	28.10	450	185 Decatur (5)..... 5
408	9.50	248 8	568	10 5	29.02	467	157 Hopkins (6)..... 6
408	9.50	248 8	568	10 3	28.04	449	159 Hull (7)..... 7
400	8.56	246 3	505	9 5	28.41	412	108 Lawrence (8).... 8
400	8.56	246 3	505	9 5	28.03	405	119 Macdonough(9) 9
420	9.40	250 2	592	8 11	28.91	475	185 Paul Jones (10).. 10
420	9.40	250 2	592	8 11	28.32	476	185 Perry (11)..... 11
420	9.40	250 2	592	8 11	28.03	475	183 Preble (12)..... 12
420	9.40	250 6	592	9 2	29.69	439	194 Stewart (13).... 13
433	9.56	259 6	605	9 10	29.58	486	177 Truxtun (14).... 14
433	9.56	259 6	605	9 10	28.24	481	179 Whipple (15).... 15
433	9.56	259 6	605	9 10	29.86	476	188 Worden (16).... 16
6,695							

¹ Does not include reserve coal.

COAST TORPEDO

[Destroyers not serviceable for duty with fleet.]

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	In. In.	In. In.	Stroke.						
1 Bainbridge(1).	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	Sq. ft. 315	Sq. ft. 17,768	8,000	209	209
2 Barry (2).....	Vert. 3-exp. (2)...	20 1/2	32 1/2	1 3/8	22	4 Thornycroft.	315	17,768	8,000	209	209
3 Chauncey (3)...	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,768	8,000	210	210
4 Dale (4).....	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,768	8,000	204	204
5 Decatur (5)....	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,768	8,000	204	204
6 Hopkins (6)...	Vert. 3-exp. (2)...	22	32 1/2	1 3/4	18	4 Thornycroft.	294	17,612	8,456	201	201
7 Hull (7).....	Vert. 3-exp. (2)...	22	32 1/2	1 3/4	18	4 Thornycroft.	294	17,612	9,119	202	202
8 Lawrence (8)...	Vert. 3-exp. (2)...	22	31	1 3/4	20	4 Mod. Normand.	304	18,117	8,400	182	182
9 Macdonough (9).	Vert. 3-exp. (2)...	22	31	1 3/4	24	4 Mod. Normand.	304	18,117	8,400	183	183
10 Paul Jones (10)	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,783	8,000	206	206
11 Perry (11).....	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,763	7,784	7,950	205
12 Preble (12)....	Vert. 3-exp. (2)...	20 1/2	32	1 3/8	22	4 Thornycroft.	315	17,782	7,310	7,370	206
13 Stewart (13)...	Vert. 3-exp. (3)...	20 1/2	32	1 3/8	22	4 Seabury...	315	17,782	8,000	205	205
14 Truxtun (14)...	Vert. 3-exp. (2)...	23	34	1 3/7	20	4 Thornycroft.	300	19,748	7,734	8,354	207
15 Whipple (15)...	Vert. 3-exp. (2)...	23	34	1 3/7	20	4 Thornycroft.	300	19,748	7,202	7,823	208
16 Worden (16)...	Vert. 3-exp. (2)...	23	34	1 3/7	20	4 Thornycroft.	300	19,748	7,987	8,608	207

* Two low-pressure cylinders.

* Estimated.

VESSELS—Continued.

[able for duty with fleet.]

No.	Kilo-watts.	Volts.	Type.	Builders.	Submarine signal set.	Name and official number.
1	1	5	125	1 2-5-5000	General Electric Co	Bainbridge (1).... 1
2	1	5	125	1 2-5-5000	General Electric Co	Barry (2)..... 2
3	1	5	125	1 2-5-5000	General Electric Co	Chauncey (3).... 3
4	1	5	125	1 2-5-5000	Diehl Electric Co. (Terry turbine) ..	Dale (4)..... 4
5	1	5	125	1 2-5-5000	General Electric Co	Decatur (5)..... 5
6	1	10	125	1 2-10-5000	Fort Wayne Electric Co. (Kerr turbines).	(2) Hopkins (6)..... 6
7	1	5	125	1 2-5-5000	General Electric Co	Hull (7)..... 7
8	1	10	125	6-10-3600	Terry-Diehl	Lawrence (8)..... 8
9	1	10	110	6-5-700	General Electric Co. (Fore River engine).	Macdonough (9).. 9
10	1	10	125	1 4-10-4000	Terry-Diehl	Paul Jones (10)... 10
11	1	5	125	1 2-5-5000	General Electric Co	Perry (11)..... 11
12	1	5	125	1 2-5-5000	General Electric Co	Preble (12)..... 12
13	1	10	125	1 2-5-4000	Terry-Diehl	Stewart (13)..... 13
14	1	10	125	1 2-5-4000	Diehl Electric Co. (Terry turbines) ..	Truxtun (14)..... 14
15	1 1/2	5 1/2	125 125	1 2-5-5000	{ General Electric Co	(2) Whipple (15)..... 15
					{ Engle E. & M. Works	
16	1 1/2	5 1/2	125 125	8-5-675 1 6-5-3000	{ B. F. Sturtevant Co.	(2) Worden (16)..... 16
					{ Terry-Diehl	

* Turbo-generators.

* One receiving set, type J, manufactured by the Submarine Signal Co.

COAST TORPEDO

[Destroyers not serviceable for duty with fleet.]

Name and official number.	Batteries.		Rig and number of funnels.	Messes (complement).			Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.
	Guns.	Torpedo tubes (long).		Wardroom officers.	Chief petty officers.	Men.			
1 Bainbridge (1).	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	229	\$283,000	May 4, 1898
2 Barry (2).....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	229	283,000	May 4, 1898
3 Chauncey (3)...	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	229	283,000	May 4, 1898
4 Dale (4).....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	229	280,000	May 4, 1898
5 Decatur (5).....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	229	280,000	May 4, 1898
6 Hopkins (6)....	23" 50 cal. R. F.; 6 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	.....	291,000	May 4, 1898
7 Hull (7).....	23" 50 cal. R. F.; 6 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	.....	291,000	May 4, 1898
8 Lawrence (8)...	7 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	.....	281,000	May 4, 1898
9 Macdonough (9)	7 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	.....	281,000	May 4, 1898
10 Paul Jones (10).	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	1 229	285,000	May 4, 1898
11 Perry (11).....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	1 229	285,000	May 4, 1898
12 Preble (12).....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	1 229	285,000	May 4, 1898
13 Stewart (13)....	23" 50 cal. R. F.; 5 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	.....	282,000	May 4, 1898
14 Truxtun (14)...	23" 50 cal. R. F.; 6 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels; wireless pole.	3	6	67	.....	286,000	May 4, 1898
15 Whipple (15)...	23" 50 cal. R. F.; 6 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	.....	286,000	May 4, 1898
16 Worden (16)....	23" 50 cal. R. F.; 6 6-pdr. R. F.	2 18"....	Signal pole; 4 funnels.	3	6	67	.....	286,000	May 4, 1898

1 Subject to possible change.

VESSELS—Continued.

[able for duty with fleet.]

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Oct. 1, 1898	Aug. 15, 1899	Aug. 27, 1901	Apr. 1, 1900	Nov. 4, 1902	Nov. 24, 1902 Apr. 2, 1908	Bainbridge (1).. 1
2 Oct. 1, 1898	Sept. 2, 1899	Mar. 22, 1902	Apr. 1, 1900	Oct. 30, 1902	Nov. 24, 1902 Dec. 21, 1908	Barry (2)..... 2
3 Oct. 1, 1898	Dec. 2, 1899	Oct. 26, 1901	Apr. 1, 1900	Oct. 22, 1902	Nov. 20, 1902 Jan. 12, 1907	Chauncey (3)... 3
4 Nov. 16, 1898	July 12, 1899	July 24, 1900	May 16, 1900	July 17, 1902	Oct. 24, 1902	Dale (4)..... 4
5 Nov. 16, 1898	July 26, 1899	Sept. 26, 1900	May 16, 1900	Apr. 1, 1902	May 19, 1902 Apr. 22, 1910	Decatur (5)..... 5
6 Oct. 19, 1898	Feb. 2, 1899	Apr. 24, 1902	Apr. 19, 1900	May 27, 1903	Sept. 23, 1903 June 22, 1909	Hopkins (6)..... 6
7 Oct. 19, 1898	Feb. 22, 1899	June 21, 1902	Apr. 19, 1900	Mar. 18, 1903	May 20, 1903 Nov. 14, 1906	Hull (7)..... 7
8 Dec. 3, 1898	Apr. 10, 1899	Nov. 7, 1900	Apr. 3, 1900	Apr. 7, 1903	Apr. 14, 1903 July 23, 1907	Lawrence (8).... 8
9 Dec. 3, 1898	Apr. 21, 1899	Dec. 24, 1900	May 3, 1900	July 3, 1903	Sept. 5, 1903 Nov. 21, 1908	Macdonough (9) 9
10 Oct. 5, 1898	Apr. 20, 1899	June 14, 1902	Apr. 5, 1900	July 19, 1902	July 19, 1902 Jan. 7, 1909	Paul Jones (10). 10
11 Oct. 5, 1898	Apr. 19, 1899	Oct. 27, 1900	Apr. 5, 1900	May 31, 1902	Sept. 4, 1902 July 11, 1907	Perry (11)..... 11
12 Oct. 5, 1898	Apr. 21, 1899	Mar. 2, 1901	Apr. 5, 1900	June 21, 1902	June 21, 1902 Sept. 17, 1909	Preble (12)..... 12
13 Sept. 30, 1898	Jan. 24, 1900	May 10, 1902	Feb. 28, 1900	Nov. 14, 1902	Dec. 17, 1902 Nov. 18, 1909	Stewart (13).... 13
14 Oct. 4, 1898	Nov. 13, 1899	Aug. 15, 1901	Apr. 4, 1900	Aug. 16, 1902	Sept. 11, 1902 Nov. 18, 1907	Truxtun (14).... 14
15 Oct. 4, 1898	Nov. 13, 1899	Aug. 15, 1901	Apr. 4, 1900	Oct. 9, 1902	Oct. 21, 1902 July 16, 1906	Whipple (15).... 15
16 Oct. 4, 1898	Nov. 13, 1899	Aug. 15, 1901	Apr. 4, 1900	Oct. 17, 1902	Dec. 31, 1902 May 12, 1909	Worden (16).... 16

COAST TORPEDO

TORPEDO

VESSELS—Continued.

BOATS.

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, all stores on board; normal coal supply.				Full-load displacement.	Net tonnage for Suez Canal.	Highest speed on trial.	Mean displacement on trial.	Tons per inch immersion at normal draft.	Bunker capacity at 42 cubic feet per ton.	Name and official number.
			Length on load water line.	Extreme breadth.	Mean draft.	Displacement.							
			<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Knots.</i>	<i>Tons.</i>		<i>Tons.</i>	
1 Bagley (24).....	Bath Iron Works, Bath, Me.	Navy Yard, Norfolk.	157 0	17 7½	4 11	175	1	211	68	29.15	167	4.40	44 Bagley (24)..... 1
2 Bailey (21).....	Gas Engine & Power Co., and Chas. L. Seabury & Co., Consolidated, Morris Heights, N. Y.	Naval Academy, Annapolis.	205 0	19 3	6 10	280	2	379	.....	30.20	280	7.05	101 Bailey (21)..... 2
3 Barney (25).....	Bath Iron Works, Bath, Me.	Navy Yard, Philadelphia.	157 0	17 7½	4 11	175	3	211	68	29.04	167	4.40	44 Barney (25)..... 3
4 Biddle (26).....	Bath Iron Works, Bath, Me.	Naval Academy, Annapolis.	157 0	17 7½	4 11	175	4	211	68	28.57	168	4.40	44 Biddle (26)..... 4
5 Blakely (27)....	Lawley & Sons, S. Boston, Mass.	Torpedo Station, Newport.	175 1	17 9	5 11	196	5	262	.....	25.58	192	5.30	74 Blakely (27).... 5
6 Dahlgren (9) ...	Bath Iron Works, Bath, Me.	Navy Yard, Charleston.	147 0	16 4½	4 7	146	6	.....	.....	30.00	146	4.08	133 Dahlgren (9) ... 6
7 De Long (28)...	Lawley & Sons, S. Boston, Mass.	Navy Yard, Charleston.	175 1	17 9	5 11	196	7	262	.....	25.52	192	5.30	74 De Long (28) ... 7
8 Dupont (7).....	Herreshoff Mfg. Co., Bristol, R. I.	Naval Militia, Massachusetts. ²	175 0	17 8½	4 8	165	8	.....	.....	28.58	165	4.52	78 Dupont (7)..... 8
9 Farragut (11)...	Union Iron Works, San Francisco, Cal.	Naval Militia, California. ²	213 6	20 8	6 0	279	9	340	* 160	30.13	236	7.20	97 Farragut (11) ... 9
10 Foote (3).....	Columbian Iron Works, Baltimore, Md.	Naval Militia, N. Carolina. ²	160 0	16 1	5 0	142	10	180	.....	24.53	142	4.07	45 Foote (3)..... 10
11 Goldsborough (20).	Wolff & Zwicker, Portland, Oreg.	Naval Militia, Washington. ²	198 0	20 7	6 10	255	11	.....	.....	27.40	256	6.33	91 Goldsborough (20). 11
12 Morris (14).....	Herreshoff Mfg. Co., Bristol, R. I.	Torpedo Station, Newport.	138 3	15 6	4 1	105	12	124	.....	24.00	98	.....	27 Morris (14)..... 12
13 Rodgers (4).....	Columbian Iron Works, Baltimore, Md.	Naval Militia, Massachusetts. ²	160 0	16 1	5 0	142	13	180	.....	24.49	143	4.07	45 Rodgers (4)..... 13
14 Shubrick (31)...	Wm. R. Trigg Co., Richmond, Va.	Navy Yard, Charleston.	175 0	17 6	5 2	200	14	269	104	26.07	189	5.40	84 Shubrick (31) ... 14
15 Somers (22).....	Schichau Works, Elbing, Germany.	Naval Militia, Illinois. ²	149 4	17 6	5 10	150	15	.....	.....	15.00	147	3.75	38 Somers (22) 15
16 Thornton (33)...	Wm. R. Trigg Co., Richmond, Va.	Navy Yard, Charleston.	175 0	17 6	5 2	200	16	260	104	24.88	193	5.40	87 Thornton (33) ... 16
17 Tingey (34).....	Columbian Iron Works, Baltimore, Md.	Navy Yard, Charleston.	175 0	17 6	4 8	165	17	.....	103	24.94	190	5.40	75 Tingey (34)..... 17
Total displacement						3,146							

¹ Purchased during War with Spain.² For date of assignment see p. 177.³ For date of assignment see p. 181.

NOTE.—The Fox was stricken from Navy Register Aug. 31, 1916. The Mackenzie was stricken from Navy Register Mar. 10, 1916.

¹ Estimated.² Subject to possible change.

COAST TORPEDO

TORPEDO

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of main engines only on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Bagley (24).....	Vert. 3-exp. (2).	17 1/2	24 1/2	37 1/2	21	2 Normand..	Sq. ft. 118	Sq. ft. 5,552	1,392	148	91
2 Bailey (21).....	Vert. 3-exp. (2).	20	30 1/2	32	18	3 Normand..	178	8,328	15,000	148	2
3 Barney (25).....	Vert. 3-exp. (2).	17 1/2	24 1/2	37 1/2	21	2 Normand..	118	5,552	13,920	90	3
4 Biddle (28).....	Vert. 3-exp. (2).	17 1/2	24 1/2	37 1/2	21	2 Normand..	118	5,552	13,910	90	4
5 Blakely (27).....	Vert. 3-exp. (2).	14	22	25 1/2	18	3 Normand..	150	7,575	2,710	3,000	85
6 Dahlgren (9)....	Vert. 3-exp. (2).	17 1/2	24 1/2	37	21	2 Normand..	118	5,553	4,200	81	6
7 De Long (28)...	Vert. 3-exp. (2).	14	22	25 1/2	18	3 Normand..	150	7,575	13,000	180	7
8 Dupont (7).....	Vert. 3-exp. (2).	16	22 1/2	25	16	3 mod. Normand.	161	8,288	13,800	78	8
9 Farragut (11)...	Vert. 3-exp. (2).	20	29	30	18	3 Thornycroft.	196	9,912	5,600	108	9
10 Foote (3).....	Vert. 3-exp. (2).	12	19 1/2	22	16	2 Mosher....	95	5,260	2,000	51	10
11 Goldsborough (20).	Vert. 3-exp. (2).	19 1/2	31 1/2	35 1/2	20	3 Thornycroft.	216	13,500	5,850	126	11
12 Morris (14).....	Vert. 3-exp. (2).	12 1/2	18	25	13 1/2	2 mod. Normand.	80	4,004	1,750	41	12
13 Rodgers (4).....	Vert. 3-exp. (2).	12	19 1/2	22	16	2 Mosher....	95	5,260	2,295	2,411	51
14 Shubrick (31)...	Vert. 3-exp. (2).	14	22	25 1/2	18	3 Thornycroft.	137	7,548	3,000	89	14
15 Somers (22).....	Vert. 4-exp. (1).	17	24	42 1/2	18 1/2	1 locomotive	47	2,242	1,900	15	15
16 Thornton (33)...	Vert. 3-exp. (2).	14	22	25 1/2	18	3 Thornycroft.	137	7,548	3,000	89	16
17 Tingey (34).....	Vert. 3-exp. (2).	14	22	25 1/2	18	3 Thornycroft.	137	7,548	3,000	180	17

* Estimated.

* Two low-pressure cylinders.

VESSELS—Continued.

BOATS—Continued.

Generating sets.					Name and official number.
No.	Kilo-watts.	Volts.	Type.	Building.	
1	2.5	80	6-2.5-800	General Electric Co.....	Bagley (24)..... 1
2	5	80	8-5-725	B. F. Sturtevant Co.....	Bailey (21)..... 2
3	2.5	80	6-2.5-800	General Electric Co.....	Barney (25)..... 3
4	2.5	80	6-2.5-800	General Electric Co.....	Biddle (26)..... 4
5	2.5	80	6-2.5-800	General Electric Co.....	Blakely (27)..... 5
6	1.5	80	4-1.5-1100	B. F. Sturtevant Co.....	Dahlgren (9)..... 6
7	2.5	80	6-2.5-800	General Electric Co.....	De Long (28).... 7
8	2	80	4-2-800	Riker Electric Co. (Herreschoff engine).....	Dupont (7)..... 8
9	5	80	4-5-700	Union Iron Works.....	Farragut (11).... 9
10	2	80	4-2-650	General Electric Co.....	Foote (3)..... 10
11	3.6	80	4-3.6-800	General Electric Co.....	Goldsborough (20). 11
12	2	80	4-2-800	Riker Electric Co.....	Morris (14)..... 12
13	2	80	4-2-650	General Electric Co.....	Rodgers (4)..... 13
14	2.5	80	6-2.5-800	General Electric Co.....	Shubrick (31).... 14
15					Somers (22)..... 15
16	2.5	80	6-2.5-800	General Electric Co.....	Thornton (33).... 16
17	2.5	80	4-2.5-800	B. F. Sturtevant Co.....	Tingey (34)..... 17

COAST TORPEDO

TORPEDO

Name and official number.	Batteries.		Messrs (complement).			Contract price of hull and machinery.	Date of act authorizing the building.
	Guns.	Torpedo tubes.	Ward room officers.	Chief petty officers.	Men.		
1 Bagley (24).....	2 1-pdr. auto. anti-air craft.	3 18" single.....	2	3	23	\$161,000	May 4, 1898
2 Bailey (21).....	4 6-pdr. R. F.....	2 18" single.....	3	6	51	210,000	Mar. 3, 1897
3 Barney (25).....	3 1-pdr. R. F.....	3 18" single.....	2	3	23	161,000	May 4, 1898
4 Biddle (26).....	3 1-pdr. R. F.....	3 18" single.....	2	3	23	161,000	May 4, 1898
5 Blakely (27).....	3 1-pdr. R. F.....	3 18" single.....	2	2	27	159,400	May 4, 1898
6 Dahlgren (9).....	2 1-pdr. auto. anti-air craft.	.....	2	3	23	194,000	June 10, 1896
7 De Long (28)...	2 1-pdr. auto. anti-air craft.	.....	2	3	27	159,400	May 4, 1898
8 Dupont (7).....	3 1-pdr. R. F.....	.....	2	3	27	144,000	Mar. 2, 1895
9 Farragut (11)...	4 3-pdr. R. F.....	.....	3	5	57	227,500	June 10, 1896
10 Foote (3).....	3 1-pdr. R. F.....	.....	2	3	23	97,500	July 26, 1894
11 Goldsborough (20).	4 3-pdr. R. F.....	.....	3	5	43	214,500	Mar. 3, 1897
12 Morris (14).....	3 1-pdr. R. F.....	3 18" single.....	1	2	19	85,000	June 10, 1896
13 Rodgers (4).....	3 1-pdr. R. F.....	.....	1	3	21	97,500	July 26, 1894
14 Shubrick (31)...	2 1-pdr. auto. anti-air craft.	.....	2	3	23	129,750	May 4, 1898
15 Somers (22).....	3 1-pdr. R. F.....	.....	1	2	19	172,997	.....
16 Thornton (33)...	2 1-pdr. auto. anti-air craft.	.....	2	3	27	129,750	May 4, 1898
17 Tingey (34).....	2 1-pdr. auto. anti-air craft.	.....	2	3	27	168,000	May 4, 1898

¹ Purchase price.

VESSELS—Concluded.

BOATS—Concluded.

Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1 Oct. 19, 1898	Jan. 4, 1900	Sept. 25, 1900	Oct. 19, 1899	June 12, 1901	Oct. 18, 1901 Jan. 7, 1910	Bagley (24)..... 1
2 July 28, 1897	Apr. 30, 1898	Dec. 5, 1899	Jan. 28, 1899	May 29, 1901	June 10, 1901 Nov. 7, 1909	Bailey (21)..... 2
3 Oct. 19, 1898	Jan. 3, 1900	July 28, 1900	Oct. 19, 1899	May 31, 1901	Oct. 21, 1901 July 1, 1908	Barney (25)..... 3
4 Oct. 19, 1898	Feb. 21, 1900	May 18, 1901	Oct. 19, 1899	Aug. 5, 1901	Oct. 28, 1901 May 14, 1909	Biddle (26)..... 4
5 Sept. 27, 1898	Jan. 12, 1899	Nov. 22, 1900	Sept. 27, 1899	Sept. 14, 1904	Dec. 27, 1904 May 6, 1909	Blakely (27)..... 5
6 Oct. 6, 1896	Dec. 11, 1897	May 29, 1899	Apr. 6, 1898	Nov. 24, 1899	June 16, 1900	Dahlgren (9).... 6
7 Sept. 27, 1898	Jan. 24, 1899	Nov. 23, 1900	Sept. 27, 1899	Aug. 11, 1902	Oct. 27, 1902 Apr. 30, 1910	De Long (28)... 7
8 Oct. 19, 1895	Feb. —, 1896	Mar. 30, 1897	Nov. 19, 1896	Sept. 17, 1897	Sept. 23, 1897 May 14, 1909	Dupont (7)..... 8
9 Oct. 5, 1896	July 23, 1897	July 16, 1898	Apr. 5, 1898	Jan. 30, 1899	Mar. 22, 1899 May 10, 1911	Farragut (11)... 9
10 May 3, 1895	May 1, 1896	Oct. 1, 1896	Aug. 3, 1896	July 28, 1897	Aug. 7, 1897 May 29, 1913 ¹	Foote (3)..... 10
11 July 30, 1897	July 14, 1898	July 29, 1899	Jan. 30, 1899	.....	Apr. 9, 1908	Goldsborough (20). 11
12 Oct. 6, 1896	Nov. 17, 1897	Apr. 13, 1898	Oct. 6, 1897	May 12, 1898	May 11, 1898 Dec. 26, 1906	Morris (14)..... 12
13 May 3, 1895	May 6, 1896	Nov. 10, 1896	Aug. 3, 1896	Apr. 19, 1898	Apr. 2, 1898 May 19, 1911	Rodgers (4).... 13
14 Nov. 16, 1898	Mar. 11, 1899	Oct. 31, 1899	Nov. 16, 1899	May 31, 1901	Sept. 21, 1905 May 14, 1909	Shubrick (31)... 14
15	.....	.....	.....	.....	Mar. 28, 1898 Aug. 18, 1914	Somers (22)..... 15
16 Nov. 16, 1898	Mar. 16, 1899	May 15, 1900	Nov. 16, 1899	Apr. 1, 1902	June 9, 1902 June 19, 1907	Thornton (33).. 16
17 Oct. 1, 1898	Mar. 29, 1899	Mar. 25, 1901	Oct. 1, 1899	Dec. 15, 1903	Jan. 7, 1904 Dec. 11, 1907	Tingey (34)..... 17

¹ Date of placing out of commission.

SUB

	Name and official number.	Contractor.	By whom and where built or building.	
1	A-2 (3).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.	1
2	A-3 (4).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	2
3	A-4 (5).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.	3
4	A-5 (6).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	4
5	A-6 (7).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.	5
6	A-7 (8).....	J. P. Holland Torpedo Boat Co., New York, N. Y.	Crescent Shipyard, Elizabethport, N. J.	6
7	B-1 (10).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	7
8	B-2 (11).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	8
9	B-3 (12).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	9
10	C-1 (9).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	10
11	C-2 (13).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	11
12	C-3 (14).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	12
13	C-4 (15).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	13
14	C-5 (16).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	14
15	D-1 (17).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	15
16	D-2 (18).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	16
17	D-3 (19).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	17
18	E-1 (24).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	18
19	E-2 (25).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	19
20	F-1 (20).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	20
21	F-2 (21).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	21
22	F-3 (22).....	Electric Boat Co., New York, N. Y.	The Moran Co., Seattle, Wash.	22
23	G-1 (19).....	Lake Torpedo Boat Co., Bridgeport, Conn.	Newport News S. B. Co., Newport News, Va.	23
24	G-2 (27).....	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	24
25	G-3 (31).....	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	25

MARINES.

	Date of act authorizing the building.	Contract signed.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
1	June 7, 1900 ¹	Aug. 25, 1900	Apr. 25, 1901	Jan. 9, 1903	Jan. 12, 1903 Feb. 10, 1910	A-2 (3).....	1
2	June 7, 1900 ¹	Aug. 25, 1900	Apr. 25, 1901	May 11, 1903	May 28, 1903 June 9, 1908	A-3 (4).....	2
3	June 7, 1900 ¹	Aug. 25, 1900	May 25, 1901	Jan. 13, 1903	Jan. 17, 1903 Feb. 10, 1910	A-4 (5).....	3
4	June 7, 1900 ¹	Aug. 25, 1900	May 25, 1901	May 11, 1903	May 28, 1903 June 9, 1908	A-5 (6).....	4
5	June 7, 1900 ¹	Aug. 25, 1900	June 25, 1901	June 24, 1903	Sept. 19, 1903	A-6 (7).....	5
6	June 7, 1900 ¹	Aug. 25, 1900	July 25, 1901	June 24, 1903	Sept. 19, 1903	A-7 (8).....	6
7	Apr. 27, 1904	Mar. 6, 1905	Sept. 6, 1906	Oct. 12, 1907	Oct. 18, 1907 Apr. 15, 1910	B-1 (10).....	7
8	Apr. 27, 1904	Mar. 18, 1905	Sept. 18, 1906	Oct. 12, 1907	Oct. 18, 1907 Aug. 1, 1913	B-2 (11).....	8
9	Apr. 27, 1904	Mar. 18, 1905	Sept. 18, 1906	Nov. 11, 1907	Dec. 3, 1907 Sept. 2, 1913	B-3 (12).....	9
10	Apr. 27, 1904	Mar. 6, 1905	Sept. 6, 1906	June 23, 1908	June 30, 1908	C-1 (9).....	10
11	June 29, 1906 ²	Nov. 19, 1907	July 19, 1909	Oct. 16, 1909	Nov. 23, 1909	C-2 (13).....	11
12	June 29, 1906 ²	Nov. 19, 1907	July 19, 1909	Oct. 14, 1909	Nov. 23, 1909	C-3 (14).....	12
13	June 29, 1906 ²	Nov. 19, 1907	Sept. 19, 1909	Oct. 20, 1909	Nov. 23, 1909	C-4 (15).....	13
14	June 29, 1906 ²	Nov. 19, 1907	Sept. 19, 1909	Dec. 22, 1909	Feb. 2, 1910	C-5 (16).....	14
15	June 29, 1906 ²	Nov. 23, 1907	Nov. 23, 1909	Oct. 7, 1909	Nov. 23, 1909	D-1 (17).....	15
16	June 29, 1906 ²	Nov. 23, 1907	Nov. 23, 1909	Oct. 11, 1909	Nov. 23, 1909	D-2 (18).....	16
17	June 29, 1906 ²	Nov. 23, 1907	Dec. 23, 1909	Sept. 1, 1910	Sept. 8, 1910	D-3 (19).....	17
18	May 13, 1908	June 3, 1909	Aug. 3, 1911	Feb. 14, 1912	Feb. 14, 1912	E-1 (24).....	18
19	May 13, 1908	June 3, 1909	Aug. 3, 1911	Feb. 14, 1912	Feb. 14, 1912	E-2 (25).....	19
20	May 13, 1908	Mar. 5, 1909	June 5, 1911	June 19, 1912	June 19, 1912	F-1 (20).....	20
21	May 13, 1908	Mar. 5, 1909	June 5, 1911	June 25, 1912	June 25, 1912	F-2 (21).....	21
22	May 13, 1908	Mar. 5, 1909	Aug. 5, 1911	Aug. 5, 1912	Aug. 5, 1912	F-3 (22).....	22
23	June 29, 1906 ²	Feb. 3, 1908	May 3, 1910	Oct. 28, 1912	Oct. 28, 1912	G-1 (19).....	23
24	May 13, 1908	Apr. 21, 1909	Aug. 21, 1911	.....	Feb. 6, 1915	G-2 (27).....	24
25	Mar. 3, 1909	Jan. 19, 1911	Sept. 19, 1912	.....	Mar. 22, 1915	G-3 (31).....	25

¹ Together with acts of June 10, 1896, and Mar. 3, 1899.² Together with act of Mar. 2, 1907

SUBMARINES

	Name and official number.	Contractor.	By whom and where built or building.	
26	G-4 (26).....	American Laurenti Co., Philadelphia, Pa.	Wm. Cramp & Sons, Philadelphia, Pa.	26
27	H-1 (28).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	27
28	H-2 (29).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	28
29	H-3 (30).....	Electric Boat Co., New York, N. Y.	The Moran Co., Seattle, Wash.	29
30	K-1 (32).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	30
31	K-2 (33).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	31
32	K-3 (34).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	32
33	K-4 (35).....	Electric Boat Co., New York, N. Y.	The Moran Co., Seattle, Wash.	33
34	K-5 (36).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	34
35	K-6 (37).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	35
36	K-7 (38).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	36
37	K-8 (39).....	Electric Boat Co., New York, N. Y.	Union Iron Works, San Francisco, Cal.	37
38	L-1 (40).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	38
39	L-2 (41).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	39
40	L-3 (42).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	40
41	L-4 (43).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	41
42	L-5 (44) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	42
43	L-6 (45) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Craig S. B. Co., Long Beach, Cal.	43
44	L-7 (46) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Craig S. B. Co., Long Beach, Cal.	44
45	L-8 (48) ¹	United States	Navy Yard, Portsmouth, N. H.	45
46	L-9 (49).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Corp., Quincy, Mass.	46
47	L-10 (50).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Corp., Quincy, Mass.	47
48	L-11 (51).....	Electric Boat Co., New York, N. Y.	Fore River S. B. Corp., Quincy, Mass.	48
49	M-1 (47) ¹	Electric Boat Co., New York, N. Y.	Fore River S. B. Co., Quincy, Mass.	49
50	Schley (52) ¹	Electric Boat Co., New York, N. Y.	Fore River S. B. Corp., Quincy, Mass.	50
51	N-1 (53) ¹	Electric Boat Co., New York, N. Y.	Seattle Con. & D. D. Co., Seattle, Wash.	51
52	N-2 (54) ¹	Electric Boat Co., New York, N. Y.	Seattle Con. & D. D. Co., Seattle, Wash.	52
53	N-3 (55) ¹	Electric Boat Co., New York, N. Y.	Seattle Con. & D. D. Co., Seattle, Wash.	53
54	N-4 (56) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	54
55	N-5 (57) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	55
56	N-6 (58) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	56
57	N-7 (59) ¹	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	57

¹ Building.

Continued.

	Date of act authorizing the building.	Contract signed.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
26	May 13, 1908	Apr. 24, 1909	Oct. 24, 1911	Sept. 21, 1914	Jan. 22, 1914	G-4 (26).....	26
27	Mar. 3, 1909	Aug. 10, 1910	Jan. 10, 1913	Nov. 29, 1913	Dec. 1, 1913	H-1 (28).....	27
28	Mar. 3, 1909	Aug. 10, 1910	Jan. 10, 1913	Nov. 29, 1913	Dec. 1, 1913	H-2 (29).....	28
29	Mar. 3, 1909	Aug. 10, 1910	Feb. 10, 1913	Jan. 16, 1914	Jan. 16, 1914	H-3 (30).....	29
30	June 24, 1910	May 31, 1911	June 30, 1913	Mar. 17, 1914	Mar. 17, 1914	K-1 (32).....	30
31	June 24, 1910	May 31, 1911	June 30, 1913	Jan. 30, 1914	Jan. 31, 1914	K-2 (33).....	31
32	June 24, 1910	May 31, 1911	July 31, 1913	Oct. 29, 1914	Oct. 30, 1914	K-3 (34).....	32
33	June 24, 1910	May 31, 1911	Aug. 31, 1913	Oct. 26, 1914	Oct. 24, 1914	K-4 (35).....	33
34	Mar. 4, 1911	Oct. 27, 1911	Oct. 27, 1913	Aug. 20, 1914	Aug. 22, 1914	K-5 (36).....	34
35	Mar. 4, 1911	Oct. 27, 1911	Nov. 27, 1913	Sept. 8, 1914	Sept. 9, 1914	K-6 (37).....	35
36	Mar. 4, 1911	Oct. 27, 1911	Dec. 27, 1913	Dec. 1, 1914	Dec. 1, 1914	K-7 (38).....	36
37	Mar. 4, 1911	Oct. 27, 1911	Jan. 27, 1914	Dec. 1, 1914	Dec. 1, 1914	K-8 (39).....	37
38	Aug. 22, 1912	Feb. 1, 1913	Dec. 1, 1914	Apr. 11, 1916	Apr. 11, 1916	L-1 (40).....	38
39	Aug. 22, 1912	Feb. 1, 1913	Jan. 1, 1915	Sept. 28, 1916	Sept. 29, 1916	L-2 (41).....	39
40	Aug. 22, 1912	Feb. 1, 1913	Feb. 1, 1915	Apr. 21, 1916	Apr. 22, 1916	L-3 (42).....	40
41	Aug. 22, 1912	Feb. 1, 1913	Mar. 1, 1915	May 4, 1916	May 4, 1916	L-4 (43).....	41
42	Aug. 22, 1912	Apr. 24, 1914	Apr. 24, 1916	.....	.....	L-5 (44).....	42
43	Aug. 22, 1912	Apr. 24, 1914	Apr. 24, 1916	.....	.....	L-6 (45).....	43
44	Aug. 22, 1912	Apr. 24, 1914	Apr. 24, 1916	.....	.....	L-7 (46).....	44
45	Mar. 4, 1913	.....	.....	.....	.....	L-8 (48).....	45
46	Mar. 4, 1913	Mar. 14, 1914	Mar. 14, 1916	Aug. 4, 1916	Aug. 4, 1916	L-9 (49).....	46
47	Mar. 4, 1913	Mar. 14, 1914	Apr. 14, 1916	Aug. 2, 1916	Aug. 2, 1916	L-10 (50).....	47
48	Mar. 4, 1913	July 29, 1914	Sept. 29, 1916	Aug. 15, 1916	Aug. 15, 1916	L-11 (51).....	48
49	Aug. 22, 1912	Feb. 4, 1913	Apr. 4, 1915	.....	.....	M-1 (47).....	49
50	June 30, 1914	Mar. 19, 1915	Mar. 19, 1917	.....	.....	Schley (52).....	50
51	June 30, 1914	Mar. 19, 1915	May 19, 1917	.....	.....	N-1 (53).....	51
52	June 30, 1914	Mar. 19, 1915	June 19, 1917	.....	.....	N-2 (54).....	52
53	June 30, 1914	Mar. 19, 1915	July 19, 1917	.....	.....	N-3 (55).....	53
54	June 30, 1914	Feb. 18, 1915	Feb. 18, 1917	.....	.....	N-4 (56).....	54
55	June 30, 1914	Feb. 18, 1915	Mar. 18, 1917	.....	.....	N-5 (57).....	55
56	June 30, 1914	Feb. 18, 1915	Apr. 18, 1917			N-6 (58).....	56
57	June 30, 1914	Feb. 18, 1915	May 18, 1917			N-7 (59).....	57

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SUBMARINES

Continued.

	Name and official number.	Contractor.	By whom and where built or building.		Date of act authorizing the building.	Contract signed.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
58	Number (60) ¹ ..	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	58	Mar. 3, 1915 ¹	Oct. 2, 1916	Oct. 2, 1918	Oct. 2, 1918		Number (60)...	58
59	Number (61) ¹ ..	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	59	Mar. 3, 1915 ¹	Oct. 2, 1916	Dec. 2, 1918	Dec. 2, 1918		Number (61)...	59
60	O-1 (62) ²	United States.....	Navy yard, Portsmouth, N. H.....	60	Mar. 3, 1915					O-1 (62).....	60
61	O-2 (63) ²	United States.....	Navy yard, Puget Sound, Wash.....	61	Mar. 3, 1915					O-2 (63).....	61
62	O-3 (64) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	62	Mar. 3, 1915	Jan. 3, 1916	Oct. 3, 1917			O-3 (64).....	62
63	O-4 (65) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	63	Mar. 3, 1915	Jan. 3, 1916	Nov. 3, 1917			O-4 (65).....	63
64	O-5 (66) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	64	Mar. 3, 1915	Jan. 3, 1916	Nov. 3, 1917			O-5 (66).....	64
65	O-6 (67) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	65	Mar. 3, 1915	Jan. 3, 1916	Dec. 3, 1917			O-6 (67).....	65
66	O-7 (68) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	66	Mar. 3, 1915	Jan. 3, 1916	Dec. 3, 1917			O-7 (68).....	66
67	O-8 (69) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	67	Mar. 3, 1915	Jan. 3, 1916	Jan. 3, 1918			O-8 (69).....	67
68	O-9 (70) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	68	Mar. 3, 1915	Jan. 3, 1916	Jan. 3, 1918			O-9 (70).....	68
69	O-10 (71) ²	Electric Boat Co., New York, N. Y...	Fore River S. B. Corp., Quincy, Mass..	69	Mar. 3, 1915	Jan. 3, 1916	Feb. 3, 1918			O-10 (71).....	69
70	O-11 (72) ²	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	70	Mar. 3, 1915	Dec. 28, 1915	Oct. 28, 1917			O-11 (72).....	70
71	O-12 (73) ²	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	71	Mar. 3, 1915	Dec. 28, 1915	Nov. 28, 1917			O-12 (73).....	71
72	O-13 (74) ²	Lake Torpedo Boat Co., Bridgeport, Conn.	Lake Torpedo Boat Co., Bridgeport, Conn.	72	Mar. 3, 1915	Dec. 28, 1915	Dec. 28, 1917			O-13 (74).....	72
73	O-14 (75) ²	California S. B. Co., ¹ Augusta, Me.....	California S. B. Co., Long Beach, Cal...	73	Mar. 3, 1915	Dec. 31, 1915	Nov. 31, 1917			O-14 (75).....	73
74	O-15 (76) ²	California S. B. Co., ¹ Augusta, Me.....	California S. B. Co., Long Beach, Cal...	74	Mar. 3, 1915	Dec. 31, 1915	Dec. 31, 1917			O-15 (76).....	74
75	O-16 (77) ²	California S. B. Co., ¹ Augusta, Me.....	California S. B. Co., Long Beach, Cal...	75	Mar. 3, 1915	Dec. 31, 1915	Jan. 31, 1918			O-16 (77).....	75
76	Number (78).....			76	Aug. 29, 1916					Number (78)...	76
77	Number (79).....			77	Aug. 29, 1916					Number (79)...	77
78	Number (80).....			78	Aug. 29, 1916					Number (80)...	78
79	Number (81).....			79	Aug. 29, 1916					Number (81)...	79
80	Number (82).....			80	Aug. 29, 1916					Number (82)...	80
81	Number (83).....			81	Aug. 29, 1916					Number (83)...	81
82	Number (84).....			82	Aug. 29, 1916					Number (84)...	82
83	Number (85).....			83	Aug. 29, 1916					Number (85)...	83
84	Number (86).....			84	Aug. 29, 1916					Number (86)...	84
85	Number (87).....			85	Aug. 29, 1916					Number (87)...	85
86	Number (88).....			86	Aug. 29, 1916					Number (88)...	86

¹ Successor to Craig S. B. Co.² Building.¹ Together with act of June 27, 1916.

SUBMARINES

Name and official number.	Contractor.	By whom and where built or building.
87 Number (89).....		
88 Number (90).....		
89 Number (91).....		
90 Number (92).....		
91 Number (93).....		
92 Number (94).....		
93 Number (95).....		
94 Number (96).....		
95 Number (97).....		
96 Number (98).....		
97 Number (99).....		
98 Number (100).....		
99 Number (101).....		
100 Number (102).....		
101 Number (103).....		
102 Number (104).....		
103 Number (105).....		
104 Number (106).....		
105 Number (107).....		
106 Number (108-145.) ¹		

¹ Authorized but not appropriated for.

Concluded.

Date of act authorizing the building.	Contract signed.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
87 Aug. 29, 1916					Number (89)..... 87
88 Aug. 29, 1916					Number (90)..... 88
89 Aug. 29, 1916					Number (91)..... 89
90 Aug. 29, 1916					Number (92)..... 90
91 Aug. 29, 1916					Number (93)..... 91
92 Aug. 29, 1916					Number (94)..... 92
93 Aug. 29, 1916					Number (95)..... 93
94 Aug. 29, 1916					Number (96)..... 94
95 Aug. 29, 1916					Number (97)..... 95
96 Aug. 29, 1916					Number (98)..... 96
97 Aug. 29, 1916					Number (99)..... 97
98 Aug. 29, 1916					Number (100)..... 98
99 Aug. 29, 1916					Number (101)..... 99
100 Aug. 29, 1916					Number (102)..... 100
101 Aug. 29, 1916					Number (103)..... 101
102 Aug. 29, 1916					Number (104)..... 102
103 Aug. 29, 1916					Number (105)..... 103
104 Aug. 29, 1916					Number (106)..... 104
105 Aug. 29, 1916					Number (107)..... 105
106 Aug. 29, 1916					Number (108-145.) ¹ 106

¹ Authorized but not appropriated for

PRINCIPAL DIMENSIONS AND CHARACTERISTICS
OF U. S. SUBMARINE TORPEDO BOATS.
CONFIDENTIAL.

SHEET No. 1

OFFICIAL NO.	NAME	DIMENSIONS.			MAIN ENGINE.			ELECTRIC PROPELLING MACHINERY.					CAPACITY OF FUEL TANKS	ARMAMENT.		CONTRACT PRICE.
		LENGTH OVER ALL.	BREADTH EXTREME.	DISP'T. SURFACE SUBMERGED	TYPE.	BRAKE H. P.	FULL SPEED SURFACE.	TYPE.	BRAKE H. P.	FULL SPEED SUBMERGED.	NUMBER OF BATTERY CELLS	STORAGE CAPACITY (AMP-HRS.)		TORPEDO TUBES.	NUMBER OF TORPEDOS	
2	EX PLUNGER #	FT. IN.	FT. IN.	TONS	SINGLE SCREW, 4 CYLINDER OTTO GASOLINE.		KNOTS	DIRECT CURRENT SHUNT		KNOTS		SH. RATE	CALB.		3-45 CM BY 11-8"	DOLLARS.
A1		63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	122.55		160	8.73		70	7.25	60	1730	767	1		170,000
3	ADDER	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.87	Do.	70	7.08	60	1730	767	1	Do.	170,000
4	GRAMPUS	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.45	Do.	70	7.30	60	1730	767	1	Do.	170,000
5	MOCCASIN	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.41	Do.	70	7.24	60	1730	767	1	Do.	170,000
6	PIKE	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.55	Do.	70	7.18	60	1730	767	1	Do.	170,000
7	PORPOISE	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.41	Do.	70	7.12	60	1730	767	1	Do.	170,000
8	SHARK	63-9 $\frac{7}{8}$	11-10 $\frac{1}{2}$	106.55 122.55	Do.	160	8.27	Do.	70	7.28	60	1730	767	1	Do.	170,000
10	VIPER	82-5	12-5 $\frac{1}{2}$	145.0 170.0	SINGLE SCREW 6 CYLINDER GASOLINE.	250	9.18	Do.	115	8.55	60	2550	1880	2	4-45 CM BY 5 M	200,000
11	CUTTLEFISH	82-5	12-5 $\frac{1}{2}$	145.0 170.0	Do.	250	9.08	Do.	115	8.06	60	2550	1880	2	Do.	185,000
12	TARANTULA	82-5	12-5 $\frac{1}{2}$	145.0 170.0	Do.	250	9.44	Do.	115	8.00	60	2550	1880	2	Do.	185,000
9	OCTOPUS	105-3 $\frac{1}{2}$	13-10 $\frac{1}{2}$	239.8 274.4	TWIN SCREW 2-6 CYLINDER GASOLINE.	500	10.99	Do.	230	8.41	120	2550	3900	2	Do.	250,000
13	STINGRAY	105-3 $\frac{1}{2}$	13-10 $\frac{1}{2}$	240.0 273.0	Do.	500	11.11	Do.	230	9.22	120	2700	3900	2	Do.	285,000
14	TARPON	105-3 $\frac{1}{2}$	13-10 $\frac{1}{2}$	240.0 273.0	Do.	500	11.39	Do.	230	9.09	120	2700	3900	2	Do.	285,000
15	BONITA	105-3 $\frac{1}{2}$	13-10 $\frac{1}{2}$	240.0 273.0	Do.	500	10.85	Do.	230	9.45	120	2700	3900	2	Do.	285,000
16	SNAPPER	105-3 $\frac{1}{2}$	13-10 $\frac{1}{2}$	240.0 273.0	Do.	500	10.79	Do.	230	9.28	120	2700	3900	2	Do.	285,000
17	MARWHAL	134-10	13-10 $\frac{5}{8}$	288.0 337.0	TWIN SCREW 2-6 CYLINDER GASOLINE.	600	13.08	Do.	330	9.61	120	2970	6000	4	Do.	360,000
18	GRAYLING	134-10	13-10 $\frac{5}{8}$	288.0 337.0	Do.	600	13.29	Do.	330	9.68	120	2970	6000	4	Do.	360,000
19	SALMON	134-10	13-10 $\frac{5}{8}$	288.0 337.0	Do.	600	13.24	Do.	330	11.21	120	2970	6000	4	Do.	369,650
24	SKIPJACK	135-2 $\frac{3}{4}$	14-6 $\frac{7}{8}$	287.2 342.1	TWIN SCREW 2-4 CYLINDER HEAVY OIL-DIESEL	500	13.44	Do.	520	11.67	120	3180	5280	4	4-45 CM BY 5.2 M	375,000
25	STUNGEON	135-2 $\frac{3}{4}$	14-6 $\frac{7}{8}$	287.2 342.1	Do.	500	13.47	Do.	520	11.65	120	3180	5200	4	Do.	375,000
* TORPEDOES ON B C & D CLASSES TO BE CHANGED TO 5.2 M.																
* INCLUDES COST OF SPECIAL MAIN MOTORS																

* STRICKEN FROM NAVY LIST.

PRINCIPAL DIMENSIONS AND CHARACTERISTICS
OF U. S. SUBMARINE TORPEDO BOATS.
CONFIDENTIAL.

SHEET No. 2.

OFFICIAL NO.	NAME.	DIMENSIONS.			MAIN ENGINE.		
		LENGTH OVER ALL.	BREADTH EXTREME	DISP. T. SURFACE. SUBMERGED.	TYPE.	BRAKE H.P.	FULL SPEED SURFACE
20	EX CARP F1	FT.-IN. 142-7	FT.-IN. 15-4 $\frac{5}{8}$	TONS 330.2 400.1	TWIN SCREW 2-6 CYLINDER HEAVY OIL-DIESEL	620	KNOTS 13.81
21	BARRACUDA F2	142-7	15-4 $\frac{5}{8}$	330.2 400.1	Do.	620	14.04
22	PICKEREL F3	142-7	15-4 $\frac{5}{8}$	330.2 400.1	Do.	620	14.0
23	SHARK F4	142-7	15-4 $\frac{5}{8}$	330.2 400.1	Do.	620	13.92
24	SEAL G1	161-0	13-0 $\frac{13}{16}$	400 516	TWIN SCREW 4-6 CYLINDER GASOLINE	1200	14.07
27	TUNA G2	161-0	13-0 $\frac{13}{16}$	475	Do.	1200	#
31	TURBOT G3	161-0	13-0 $\frac{13}{16}$	460	TWIN SCREW 2-6 CYLINDER HEAVY OIL-DIESEL	1200	#
26	THRASHER G4	157-5 $\frac{1}{2}$	17-6 $\frac{1}{8}$	370.6 452.2	TWIN SCREW 4-6 CYLINDER GASOLINE	920	14.0
28	SEAWOLF H1	150-3 $\frac{1}{2}$	15-9 $\frac{3}{8}$	358 434	TWIN SCREW 2-6 CYLINDER HEAVY OIL-NORDBERG	950	14.04
29	NAUTILUS H2	150-3 $\frac{1}{2}$	15-9 $\frac{3}{8}$	358 434	Do.	950	14.11
30	GARFISH H3	150-3 $\frac{1}{2}$	15-9 $\frac{3}{8}$	358 434	Do.	950	14.18
32	HADDOCK K1	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 521	Do.	950	14.101
33	CACHALOT K2	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 521	Do.	950	14.095
34	ORCA K3	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 521	Do.	950	14.07
35	WALRUS K4	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 521	Do.	950	14.25
36	K5	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 519	Do.	900	14.03
37	K6	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 519	Do.	900	14.04
38	K7	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 519	Do.	900	14.14
39	K8	153-6 $\frac{1}{2}$	16-8 $\frac{3}{8}$	392 519	Do.	900	14.10

© G1 HAS NO OFFICIAL NUMBER.

SPEEDS FOR G-2 AND G-3 ARE CONTRACT REQUIREMENTS.

ELECTRIC PROPELLING MACHINERY.					CAPACITY OF FUEL TANKS	ARMAMENT.		CONTRACT PRICE.
TYPE	BRAKE H.P.	FULL SPEED SUBMER- GED.	NUMBER OF BATTERY CELLS.	STORAGE CAPACITY (AMP-HRS)		TORPEDO TUBES	NUMBER OF TORPEDOES	
DIRECT CURRENT SHUNT	620	KNOTS 11.31	120	3770	GALS. 5800	4	4-45 CM. BY 5.2 M.	DOLLARS 454,740
Do.	620	11.53	120	3770	5800	4	Do.	454,740
Do.	620	11.27	120	3770	5800	4	Do.	454,740
Do.	620	11.43	120	3770	5800	4	Do.	454,740
INTERPOLE	750	10.109	120	3840	12340	6	6-45 CM. BY 5.2 M.	450,000
Do.	750	#	120	3840	10700	4	8-45 CM. BY 5.2 M.	410,000
Do.	600	#	120	4200	13500	6	10-45 CM. BY 5.2 M.	455,000
Do.	550	9.5	140 LARGE 24 SMALL	7176	7650	4	8-45 CM. BY 5.2 M.	437,000
Do.	620	10.63	120	3800	11800	4	Do.	491,000
Do.	620	10.55	120	3800	11800	4	Do.	491,000
Do.	620	10.64	120	3800	11800	4	Do.	491,000
Do.	680	10.593	120	4000	8100	4	Do.	469,000
Do.	680	10.55	120	4000	8100	4	Do.	469,000
Do.	680	10.52	120	4000	8100	4	Do.	501,000
Do.	680	10.52	120	4000	8100	4	Do.	501,000
Do.	680	10.52	120	4000	8500	4	Do.	478,000
Do.	680	10.65	120	4000	8500	4	Do.	478,000
Do.	680	10.62	120	4000	8500	4	Do.	512,000
Do.	680	10.63	120	4000	8500	4	Do.	512,000

SHEET No. 3

✚ FOR FURNISHING PLANS

TENDERS TO

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
1 Alert ²	John Roach, Chester, Pa.....	Submarine tender, Pacific.	¹ 177 4	² 32 0	³ 13 0
2 Bushnell (2) ⁴ 10. (Submarine tender.)	Seattle Con. & D. D. Co., Seattle, Wash.	Submarine tender, Atlantic.	300 0	45 8	15 0
3 Dixie ⁵ 10.....	Newport News Shipbuilding Co., Newport News, Va.	Destroyer tender, Atlantic Fleet.	¹ 391 1	² 48 3	³ 19 11
4 Fulton (1) ⁶ 10. (Submarine tender.)	New London S. & E. Co., Groton, Conn.	Submarine base, New London, Conn.	216 0	² 35 0	13 0
5 Iris ⁷	A. Leslie & Co., Newcastle, England.	Navy Yard, Mare Island, Cal.	310 6	39 0	24 0
6 Melville (2) ⁸ (Destroyer tender.)	New York S. B. Co., Camden, N. J.	Destroyer tender, Atlantic Fleet.	400 0	² 54 5 ¹	20 0
7 Panther ⁹ 10.....	Wm. Cramp & Sons, Philadelphia, Pa.	Destroyer tender, Atlantic Fleet.	304 8	² 40 8	15 9
8 Pompey ¹⁰	S. P. Austin & Sons (Ltd.) Sunderland, England.	Naval Station, Olongapo, P. I.	234 0	33 6	³ 15 10
9 Submarine Tender No. 3. ¹¹					
10 Destroyer Tenders Nos. 3 and 4. ¹¹					
Total displacement.....					

¹ Length on designed L. W. L.² Iron.³ Purchased during War with Spain.⁴ Fore side of stem to after side of rudder post.⁵ Extreme.⁶ Formerly the Niagara. Name changed Feb. 18, 1913.⁷ Molded.⁸ Loaded.⁹ Has towing machine.¹⁰ Fitted as a flagship.¹¹ Authorized but not appropriated for.

TORPEDO VESSELS.

Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		Length over all.	Full-load displacement.	Speed on trial.	Displacement on trial.	Bunker capacity at 42 cubic feet per ton.	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.						
¹ Tons. 1,110	² Tons. 10.40	³ Fl. in. 199 9	⁴ Tons.	⁵ Knots. 10.0	⁶ Tons.	⁷ Tons. 202	Alert..... 1
3,580	23.0	350 6	.....	14.15	3,548	⁸ 197,472 ⁹ (860)	Bushnell (2)..... 2
6,114	33.70	405 10	.....	14.5	.....	1,100	Dixie..... 3
1,408	12.36	226 6	1,453	12.34	1,306	⁸ 70,013 ⁹ (234)	Fulton (1)..... 4
6,100	23.30	321 0	.....	10.0	.....	307	Iris..... 5
7,150	36.9	417 3	.....	15.09	6,679	⁸ 269,280 ⁹ (900)	Melville (2)..... 6
3,380	23.22	324 4	.....	13.5	.....	691	Panther..... 7
3,085	.....	245 0	.....	10.5	.....	205	Pompey..... 8
.....	.....	.....	.....	.....	.....	.....	Submarine Tender No. 3. 9
.....	.....	.....	.....	.....	.....	.....	Destroyer Tenders Nos. 3 and 4. 10
31,927	.....	.....	.....	.....	.....	.....	

¹ Estimated.² Gallons of oil fuel.³ Tons of oil fuel.⁴ Two-thirds full supply of stores and full supply of ammunition and fuel.⁵ Calculated to 6 inches below bottom of beams.⁶ Loaded.

TENDERS TO TORPEDO

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Alert.....	Hor. comp. (1)...	28½	42½	42		2 B. & W...	Sq. ft. 96	Sq. ft. 4,250	500	560	Tons.
2 Bushnell (2)...	Turbs. Red. gear (1).					2 Yarrow...	(1)	5,120	2,617	(2)	304
3 Dixie.....	Vert. 3-exp. (1).	33	52	84	54	3 D. E.....	414	10,581		3,800	
4 Fulton (1)....	Diesel (1).....					1 Roberts auxiliary & 1 Almy.	(1)	1,170	1,097	(2)	135
5 Iris.....	Vert. comp. (1).	31		70	48	2 D. E.....	154	4,918		1,320	
6 Melville (2)...	Parson's turb. (1)					2 B. & W...	(1)	7,000	4,006	(2)	509
7 Panther.....	Vert. 3-exp. (1)...	25½	41	67½	42	4 S. E.....	234	6,960		3,200	
8 Pompey.....	Vert. 3-exp. (1).	19½	31½	51	32	1 S. E.; 1 auxiliary.	74	2,672		850	
9 Submarine Tender No. 3.											
10 Destroyer Tenders Nos. 3 and 4.											

¹ Oil burning.² Not ascertained.³ Estimated.

VESSELS—Continued.

Generating sets.					Name and official number
No.	Kilo-watts.	Volts.	Type.	Builder.	
1 { 2 1	85 10	100-175 125	4-85-2400 6-10-375	General Electric Co..... Westinghouse Co.	Alert..... 1
2 { 1 2	300 50	95-350 125	6-300-1500 4-50-3300	General Electric Co.....	Bushnell (2).... 2
3 4	32	125	8-32-400	General Electric Co.....	Dixie..... 3
4 { 1 2	35 300	125 95-350	8-35-250 8-300-250	Crocker-Wheeler Co.	Fulton (1).... 4
5 2	24	80	4-8-400	General Electric Co.....	Iris..... 5
6 2	150	125	6-150-6000 900	Westinghouse Co.....	Melville (2).... 6
7 2	30	110	14-30-2800	General Electric Co.....	Panther..... 7
8 { 1 2	32 15	125 110	4-32-400	General Electric Co..... General Electric Co.	Pompey..... 8
9					Submarine Tender No. 3. 9
10					Destroyer Tenders Nos. 3 and 4. 10

¹ Turbo-generators.

TENDERS TO TORPEDO

Name and official number.	Submarine signal sets.				Battery.
	Sending sets.		Receiving sets.		
	Number.	Type.	Number.	Type.	
1 Alert.....					46-pdr R. F.....
2 Bushnell (2)....	1		1		45'' 51 cal. R. F.; 23-pdr. saluting ..
3 Dixie					10 3'' 50 cal. S. A.; 26-pdr. R. F.....
4 Fulton (1).....	1		1		23'' 50 cal.; 11-pdr. auto. antiaircraft..
5 Iris.....					
6 Melville (2)....			1		8 5'' 51 cal. R. F.; 2 3-pdr. saluting; 1 18'' torpedo tube.
7 Panther.....					26-pdr. R. F.; 4-3'' 50 cal. R. F.....
8 Pompey.....					
9 Submarine Ten- der No. 3.					
10 Destroyer Ten- ders Nos. 3 and 4.					

Name and official number.	Net ton- nage for Suez Canal.	Net ton- nage for United States.	Net ton- nage for Panama Canal.	Contract price of hull and ma- chinery.	Date of act author- izing the building.	Contract signed.
1 Alert.....	1 713					
2 Bushnell (2)....				\$935,695	Aug. 22, 1912	June 30, 1913.
3 Dixie	1 3,074			2 575,000		
4 Fulton (1).....	786	556		492,930	Mar. 4, 1911	June 19, 1912.
5 ~~Iris~~	1 1,923			2 145,000		
6 Melville (2)....	3,941	3,127	3,093	1,810,000	Aug. 22, 1912	June 20, 1913.
7 Panther.....	1,912			2 375,000		
8 Pompey.....				2 111,929		
9 Submarine Ten- der No. 3.....					Aug. 29, 1916	
10 Destroyer Ten- ders Nos. 3 and 4.....					Aug. 29, 1916	

¹ Subject to possible change.² Purchase price.³ Authorized but not appropriated for.

VESSELS—Concluded.

Water-tight deck.		Rig and number of funnels.	Messcs (complement).					Name and official number.	
Flat.	Slope.		Wardroom officers.	Warrant officers.	Additional officers for flagship.	Chief petty officers.	Men.		
Inches.	Inches.								
1		Schooner, 2 masts	5			15	117	Alert.....	1
2		2 masts, 1 funnel.....	6			17	128	Bushnell (2)....	2
3		Brig, 1 funnel	9	6	(1)	26	265	Dixie	3
4		Schooner, 1 funnel	6			15	114	Fulton (1).....	4
5		Brigantine, 1 funnel	9	6	(1)	16	111	Iris.....	5
6		2 masts, 1 funnel.....	9	6	(1)	30	270	Melville (2)....	6
7		Schooner, 1 funnel	8		8	22	169	Panther.....	7
8		Schooner, 1 funnel	9	6	(1)	9	97	Pompey.....	8
9								Submarine Tender No. 3.	9
10								Destroyer Tenders Nos. 3 and 4.	10

Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1873				Jan. 25, 1912	Alert..... 1
Jan. 3, 1914	Feb. 9, 1915	Mar. 30, 1915	Nov. 20, 1915	Nov. 24, 1915	Bushnell (2).... 2
1893				Apr. 19, 1898 Feb. 2, 1909	Dixie..... 3
Oct. 2, 1913	June 6, 1914	June 19, 1914	Dec. 2, 1914	Dec. 7, 1914	Fulton (1)..... 4
1885				Apr. 1, 1898 May 2, 1916 ²	Iris..... 5
Nov. 11, 1913	Mar. 2, 1915	June 20, 1915	Dec. 2, 1915	Dec. 3, 1915	Melville (2).... 6
				Apr. 22, 1898 Nov. 18, 1907	Panther..... 7
				May 26, 1898 Feb. 12, 1916 ²	Pompey..... 8
					Submarine Tender No. 3..... 9
					Destroyer Tenders Nos. 3 and 4..... 10

¹ Extra if used as flagship; 1 flotilla commander; 2 aids; 1 torpedo officer; 1 paymaster; and 1 pay clerk.² Date of placing out of commission.

GUN BOATS.

Name and official number.	By whom and where built or building.	Duty or station. Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.				Ship, fully equipped, etc.—Contd.				Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to 6 inches below beams (42 cubic feet to the ton).	Name and official number.
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.		Displacement (normal).	Tons per inch immersion at normal draft.	Length over all.							
1 Annapolis (10) ² .	Lewis Nixon, Elizabethport, N. J.	Pacific Fleet.....	<i>Ft. in.</i> 168 0	<i>Ft. in.</i> 36 0	<i>Ft. in.</i> 12 0	1	<i>Tons.</i> 1,010	10.72	<i>Ft. in.</i> 203 6	<i>Tons.</i> 1,153	<i>Ft. in.</i> 12 9	<i>Knots.</i> 13.17	<i>Tons.</i> 951	<i>Tons.</i> 235	Annapolis (10)...	1
2 Castine (6).....	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	204 0	32 1½	12 0	2	1,177	10.78	212 4	1,293	12 0	16.03	1,060	246	Castine (6).....	2
3 Dolphin ³	John Roach & Sons, Chester, Pa.	General service, Atlantic.	240 0	32 0	14 3	3	1,496	13.31	256 6	.....	17 0	15.50	1,413	225	Dolphin.....	3
4 Don Juan de Austria. ⁴ 5	Cartagena, Spain.....	Naval Militia, Michigan. ⁶	210 0	32 0	12 6	4	1,130	11.65	215 6	.....	15 8	12.20	1,015	209	Don Juan de Austria.	4
5 Dubuque (17) ² 13	Gas Engine & Power Co. and Chas. L. Seabury & Co. (Consolidated), Morris Heights, N. Y.	Atlantic Fleet.....	174 0	35 0	12 3	5	1,085	10.66	200 5	1,237	13 4	12.90	1,084	252	Dubuque (17)...	5
6 Elcano ⁴ 9	Carraca, Spain.....	Asiatic Fleet.....	157 11	26 0	10 0	6	1,620	7.50	165 6	.....	12 0	11	.....	98	Elcano.....	6
7 Helena (9) ² 10	Newport News S. B. Co., Newport News, Va.	Asiatic Fleet.....	250 9	39 8	9 0	7	1,392	17.10	251 10	1,571	10 0	15.50	1,340	307	Helena (9).....	7
8 Isla de Luzon ² 11	W. G. Armstrong, Newcastle on Tyne, England.	Naval Militia, New York. ⁶	192 8	30 1½	11 6	8	1,030	9.73	196 9	.....	12 0	11.23	1,020	163	Isla de Luzon..	8
9 Machias (5) ²	Bath Iron Works, Bath, Me..	Atlantic Fleet.....	204 0	32 1½	12 0	9	1,177	10.78	212 4	1,293	13 7	15.46	1,067	267	Machias (5).....	9
10 Marietta (15) ² ..	Union Iron Works, San Francisco, Cal.	Navy yard, Boston, Mass.	174 0	34 0	12 0	10	1,990	10.10	189 7	1,106	12 10	13.02	990	234	Marietta (15)...	10
11 Monocacy (20) ² .	Navy yard, Mare Island ¹²	Asiatic Fleet.....	160 0	24 6	2 5	11	1,190	7.58	.....	204	2 5	13.25	1,190	34	Monocacy (20)...	11
12 Nashville (7) ² ..	Newport News S. B. Co., Newport News, Va.	Atlantic Fleet.....	220 0	38 1½	11 0	12	1,371	13.16	233 8	1,620	12 7	16.30	1,379	381	Nashville (7)...	12
13 Newport (12) ⁴ ..	Bath Iron Works, Bath, Me..	Public Marine School, New York.	168 0	36 0	12 0	13	1,010	10.72	204 5	1,153	12 9	12.29	990	229	Newport (12)...	13
14 Paducah (18) ² ..	Gas Engine & Power Co. and Chas. L. Seabury & Co. (Consolidated), Morris Heights, N. Y.	Special service, surveying, Atlantic.	174 0	35 0	12 3	14	1,085	10.66	200 5	1,237	13 4	12.85	1,084	242	Paducah (18)...	14

¹ Length on designed L. W. L.² Composite.³ Steel.⁴ Iron.⁵ Captured during war with Spain.⁶ For date of assignment see p. 177.⁷ Molded.⁸ Suitable for harbor service only.⁹ Transferred to the Navy from the Army, Nov. 9, 1899.¹⁰ 1-inch plate on side.¹¹ Extreme breadth, 40 1½".¹² Reerected by the Shanghai Dock & Engineering Co. (Ltd.), Shanghai, China.¹³ Mine training ship.¹ Full supply ammunition and stores, normal coal.² Estimated.³ Two-thirds full supply of ammunition and stores.⁴ Calculated to bottom of beams.

NOTE.—Callao was stricken, Apr. 17, 1916.

GUNBOATS

Continued.

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Annapolis (10)	Vert. 3-exp. (1)	15	24½	40	28	2 B. & W....	100	3,814	1,223	1,227	124
2 Castine (8)...	Vert. 3-exp. (2)	15½	22½	35	24	2 marine loco.	120	4,930	2,180	2,199	145
3 Dolphin.....	Vert. comp. (1)	42	.....	78	48	2 D. E.; 2 S. E.	264	6,529	2,253	2,255	410
4 Don Juan de Austria.	Hor. comp. (1)	40	.....	70	30	4 S. W.....	164	4,442	.....	941	.....
5 Dubuque (17)	Vert. 3-exp. (2)	9	15½	25½	21	2 B. & W....	100	4,159	1,193	1,220	133
6 Elcano.....	Vert. comp. (2)	21½	.....	38½	18½	2 S. E.; Scotch.	47½	1,155	.....	435	.....
7 Helena (9)....	Vert 3-exp. (2)	15½	22½	33½	18	4 Hohenstein	153	6,092	1,959	1,988	.....
8 Isla de Luzon.	Hor. 3-exp. (2)	18½	29	43	24	2 S. W.....	149	5,508	516	535	.....
9 Machias (5)...	Vert. 3-exp. (2)	15½	22½	35½	24	2 S. W.....	106	3,954	1,848	1,873	144
10 Marietta (15)	Vert. 3-exp. (2)	12	18	28	18	2 B. & W....	98	3,604	1,036	1,054	126
11 Monocacy (20)	Vert. comp. (2)	14	.....	26	14	2 B. & W. box type.	95	2,654	800	(*)	71
12 Nashville (7)..	Vert. 4-exp. (2)	11	17	34	18	6 Mosher....	159	6,156	2,524	2,536	.....
13 Newport (12).	Vert. 3-exp. (1)	15½	23½	30	30	2 S. E.....	78	2,524	998	1,009	138
14 Paducah (18).	Vert. 3-exp. (2)	9	15½	25½	21	2 B. & W....	100	4,200	1,247	1,268	133

* Estimated.

* Twin screws.

* Main engine only.

* Not ascertained.

Generating sets.					Submarine signal set.	Name and official number.
No.	Kilo-watts	Volts.	Type.	Builders.		
1	2	10	125	6-10-460	B. F. Sturtevant Co.....	Annapolis (10) 1
2	1	15	125	4-15-400	General Electric Co.....	Castine (8)...
2	1	7	110	4-7-550		
3	2	10	125	6-10-450	General Electric Co.....	Dolphin.....
4	2	8	125	6-8-480	B. F. Sturtevant Co.....	Don Juan de Austria.
5	2	24	125	8-24-400	General Electric Co.....	Dubuque (17).
6	1	10	110	4-10-450	General Electric Co.....	Elcano.....
7	2	16	125	4-16-450	General Electric Co. (B. F. Sturtevant engines).	Helena (9)....
8	2	5	80	4-5-500	General Electric Co.....	Isla de Luzon.
9	2	8	125	6-8-550	General Electric Co.....	Machias (5)...
10	2	8	125	6-8-475	B. F. Sturtevant Co.....	Marietta (15).
11	1	10	125	6-10-3600	Terry-Diehl.....	Monocacy (20)
12	1	16	80	4-16-400	General Electric Co.....	Nashville (7)..
12	1	25	80	K-8		
13	2	4	80	4-4-600	Westinghouse Co.....	Newport (12).
14	2	24	125	8-24-400	General Electric Co.....	Paducah (18).

* Turbo-generating set.

* One receiving set, type J, manufactured by the Submarine Signal Co.

GUNBOATS

Name and official number.	Batteries.	
	Guns.	Torpedo tubes.
1 Annapolis (10)...	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr.	1
2 Castine (8).....	2 4" R. F.; 6 6-pdr. R. F.	2
3 Dolphin.....	6 6-pdr. R. F.	3
4 Don Juan de Austria.	6 3-pdr. R. F.; 2 1-pdr. R. F.	4
5 Dubuque (17)...	4 6-pdr. R. F.; 2 1-pdr. R. F.; 2 1-pdr. auto. anti-air craft.	5
6 Elcano.....	4 4" 40 cal. R. F.; 4 3-pdr. R. F.	6
7 Helena (9).....	8 4" 40 cal. R. F.; 4 3-pdr. R. F.	7
8 Isla de Luzon...	4 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.	8
9 Machias (5).....	4 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.; added temporarily, 2 3-pdr. R. F.	9
10 Marietta (15)...	6 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	10
11 Monocacy (20)...	2 6-pdr. R. F.; 6 auto. machine rifles.	11
12 Nashville (7)....	8 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	12
13 Newport (12)....	.....	13
14 Paducah (18)...	4 4" 40 cal. R. F.; 4 6-pdr. R. F.; 2 1-pdr. R. F.	14

Continued.

Water-tight deck.		Rig and number of funnels.	Messes (complement).				Name and official number.
Flat.	Slope.		Wardroom officers.	Chief petty officers.	Men.	Marines.	
Inches.	Inches.						
1		3-masted schooner; 1 funnel.....	8	11	125	....	Annapolis (10)...
2	$\frac{1}{4}$	2 pole masts; 1 funnel.....	10	12	110	17	Castine (8).....
3		Schooner, 1 funnel.....	8	13	131	14	Dolphin.....
4		Schooner; 1 funnel.....	8	12	133	....	Don Juan de Austria.
5		Schooner; 2 funnels.....	8	11	131	....	Dubuque (17) ..
6		Schooner; 1 funnel.....	6	6	87	....	Elcano.....
7		1 mil. m.; 1 funnel.....	10	13	146	30	Helena (9).....
8	$1\frac{1}{2}$	Schooner; 2 funnels.....	8	12	121	....	Isla de Luzon...
9	$\frac{1}{4}$	Schooner; 1 funnel.....	8	12	110	17	Machias (5).....
10		Schooner; 1 funnel.....	8	12	110	17	Marietta (15)...
11		Pole mast, 1 fighting top; 2 funnels ...	2	2	43	....	Monocacy (20)...
12	$\frac{1}{4}$	Schooner; 2 funnels.....	8	12	160	....	Nashville (7) ...
13		Barkentine; 1 funnel.....	8	11	124	....	Newport (12)...
14		Schooner; 2 funnels.....	8	11	149	....	Paducah (18)...

1 Protective deck.

GUNBOATS

	Name and official number.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.
1	Annapolis (10) ..	1 560	\$227,700	Mar. 2, 1895.....	Nov. 20, 1895.....
2	Castine (6).....	1 398	318,500	Mar. 2, 1889.....	Apr. 12, 1890.....
3	Dolphin.....	1 447	315,000	Mar. 3, 1883.....	July 23, 1883.....
4	Don Juan de Austria.	1 366	180,000	.....	.....
5	Dubuque (17) ..	568	295,000	July 1, 1902.....	May 29, 1903.....
6	Elcano.....		(²)	.....	.....
7	Helena (9).....	1 921	280,000	Mar. 3, 1893.....	Jan. 29, 1894.....
8	Isla de Luzon..	1 314	215,000	.....	.....
9	Machias (5)	1 398	318,500	Mar. 2, 1889.....	Apr. 12, 1890.....
10	Marietta (15)...	1 532	223,000	Mar. 2, 1895.....	Nov. 26, 1895.....
11	Monocacy (20) ..		215,000	Mar. 4, 1911.....	.....
12	Nashville (7)....	1 756	280,000	Mar. 3, 1893.....	Jan. 22, 1894.....
13	Newport (12) ..	1 560	229,400	Mar. 2, 1895.....	Nov. 15, 1895.....
14	Paducah (18)...	568	355,000	July 1, 1902.....	July 6, 1903.....

¹ Subject to possible change.² Estimated value.³ Transferred to the Navy from the Army Nov. 9, 1899.⁴ Limit of cost.

Continued.

	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
1	Apr. —, 1896	Dec. 23, 1896	Feb. 20, 1897	May 18, 1897	July 20, 1897 May 1, 1912	Annapolis (10)..... 1
2	Feb. —, 1891	May 11, 1892	Apr. 12, 1892	Aug. 18, 1893	Oct. 22, 1894 Apr. 22, 1914	Castine (6)..... 2
3	Oct. 11, 1883	Apr. 12, 1884	July 23, 1884	.....	Dec. 8, 1885 Mar. 24, 1898	Dolphin..... 3
4	.....	1887	.....	.....	Apr. 11, 1900 Mar. 7, 1907 ¹	Don Juan de Austria. 4
5	Sept. 22, 1903	Aug. 15, 1904	Nov. 29, 1904	May 31, 1905	June 3, 1905 Oct. 3, 1914	Dubuque (17)..... 5
6	.....	1885	.....	.....	Nov. 20, 1902 Dec. 5, 1910	Elcano..... 6
7	Oct. 11, 1894	Jan. 30, 1896	Jan. 29, 1896	May 24, 1897	July 8, 1897 July 16, 1906	Helena (9)..... 7
8	.....	1887	Dec. —, 1886	.....	Jan. 31, 1900 Aug. 4, 1914 ¹	Isla de Luzon..... 8
9	Feb. —, 1891	Dec. 8, 1891	Apr. 12, 1892	June 23, 1893	July 20, 1893 Apr. 27, 1914	Machias (5)..... 9
10	Apr. 3, 1896	Mar. 18, 1897	Feb. 26, 1897	Aug. 6, 1897	Sept. 1, 1897 May 14, 1906	Marietta (15)..... 10
11	Apr. 28, 1913	Apr. 27, 1914	.....	.....	June 24, 1914	Monocacy (20)..... 11
12	Aug. 9, 1894	Oct. 19, 1895	Jan. 22, 1896	June 25, 1897	Aug. 19, 1897 July 24, 1911	Nashville (7)..... 12
13	Mar. —, 1896	Dec. 5, 1896	Feb. 15, 1897	July 8, 1897	Oct. 5, 1897 Nov. 17, 1906 ¹	Newport (12)..... 13
14	Sept. 22, 1903	Oct. 11, 1904	Mar. 6, 1905	Aug. 31, 1905	Sept. 2, 1905	Paducah (18)..... 14

¹ Date of placing out of commission.

GUNBOATS

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, normal stores, ammunition, and coal.		
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.
15 Palos (16).....	Navy Yard, Mare Island ²	Asiatic Fleet.....	<i>Ft. in.</i> 160 0	<i>Ft. in.</i> 24 6	<i>Ft. in.</i> 2 5
16 Pampanga ^{3 4} ...	Manila Slip Co., Cavite, P. I.	Asiatic Fleet.....	115 3	17 10	6 6
17 Petrel (2) ^{5 6}	Columbian Iron Works, Baltimore, Md.	Station ship Guantanamo.	181 4	31 0	11 6
18 Princeton (13) ^{7 8} ...	J. H. Dialogue & Son, Camden, N. J.	Navy Yard, Puget Sound.	168 0	36 0	12 0
19 Quiros ⁹	Hongkong & Whampoa Dock Co.	Asiatic Fleet.....	137 9	22 9	7 9
20 Ranger ⁴	Harlan & Hollingsworth, Wilmington, Del.	Public Marine School, Boston.	177 4	32 0	13 0
21 Sacramento (19) ⁵ ...	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	210 0	40 10 ¹⁰	11 6
22 Samar ⁴	Manila Slip Co., Cavite, P. I.	Asiatic Fleet.....	115 3	17 10	6 6
23 Sandoval ^{5 10 11} ...	Clydebank Engineering & Shipbuilding Co.	Naval Militia, New York. ¹²	110 0	15 6	5 4
24 Vicksburg (11) ⁷ ...	Bath Iron Works, Bath, Me.	Naval Militia, Washington. ¹³	168 0	36 0	12 0
25 Villalobos ^{7 9}	Hongkong & Whampoa Dock Co.	Asiatic Fleet.....	148 0 ¹¹	23 0 ¹¹	7 6
26 Wheeling (14) ⁷ ...	Union Iron Works, San Francisco, Cal.	Atlantic Fleet.....	174 0	34 0	12 0
27 Wilmington (8) ^{5 12} ...	Newport News Shipbuilding Co., Newport News, Va.	Asiatic Fleet.....	250 9 ¹³	39 8	9 0
28 Yorktown (1) ⁵	Wm. Cramp & Sons, Philadelphia, Pa.	Pacific Fleet.....	230 0	36 0	14 0
29 Number (21)....	Navy Yard, Charleston, S. C.	Building, 0% complete.	225 0 ¹⁶	41 2 ¹³	11 4
30 Number (22) ¹⁴					
Total normal displacement.....					

¹ Length on designed L. W. L.² Reerected by the Shanghai Dock & Engineering Co., (Ltd.), Shanghai, China.³ Transferred to the Navy from the Army Nov. 9, 1899.⁴ Iron.⁵ Steel.⁶ Suitable for harbor service only.⁷ Composite.⁸ To be surveyed with view to sale.⁹ Transferred to Navy from Army Feb. 21, 1900.¹⁰ Captured during War with Spain.¹¹ Designed.¹² 1" plate on side.¹³ Extreme breadth, 40' 11".¹⁴ Authorized but not appropriated for.¹⁵ For date of assignment see p. 181.¹⁶ Breadth extreme.

Continued.

Ship, fully equipped ready for sea, normal stores, ammunition, and coal.	Length over all.	Full-load displacement.	Draft aft at designed full load.	Speed on trial.	Displacement on trial.	Bunker capacity to 6 inches below beams (42 cubic feet to the ton).	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.						
<i>Tons.</i> 190	<i>Tons.</i> 7.58	<i>Ft. in.</i>	<i>Tons.</i> 204	<i>Ft. in.</i> 2 5	<i>Knots.</i> 13.25	<i>Tons.</i> 190	<i>Tons.</i> 34
* 243	3.80	121 0	.....	7 6	* 10.0	.....	34
890	9.26	188 0	.....	12 10	11.40	867	198
* 1,010	10.72	204 5	1,153	12 9	10.64	1,038	231
350	.....	145 0	.....	9 3	* 11.0	.....	70
1,261	.....	199 9	.....	.....	10.0	.....	182
* 1,425	12.95	226 2	1,592	11 6	12.78	1,395	* 428
* 243	3.80	121 0	.....	7 6	* 10.5	.....	32
* 100	2.70	116 10	.....	5 10	* 8.0	.....	16
* 1,010	10.72	204 5	1,153	12 9	12.71	990	249
* 370	* 5.10	156 2	.....	9 0	* 11.0	.....	67
* 990	10.10	189 7	1,106	12 10	12.88	1,000	* 256
1,392	17.10	251 10	1,571	10 0	15.08	1,330	* 258
* 1,710	13.75	244 5	1,910	16 3	16.14	1,720	336
1,575	14.3	241 2	1,760	12 8 ¹	* 12.0	* 1,575	.....
27,512	.....	.....	.....	.....	.....	.....	.....

¹ Two-thirds full supply of stores and coal and full supply of ammunition.² Estimated.³ Full supply of ammunition and stores, normal coal.⁴ Calculated to bottom of beams.⁵ Designed.

GUNBOATS

(Continued.)

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
15 Palos (16)....	Vert. comp. (2).	14	26	14	14	2 B. & W. box type.	85	2,654	1,800	.....	71
16 Pampanga....	Vert. comp. (2).	12½	24½	15	15	1 S. E. E.....	35	1,197	1,250	.....	16
17 Petrel (2)....	Hor. comp. (1).	25	46	33	33	4 S. E. E.....	93	2,505	1,008	1,045	130
18 Princeton (13)....	Vert. 3-exp. (1).	15½	23½	36	30	2 S. E. E.....	78	2,524	835	923	128
19 Quiros.....	Vert. 3-exp. (1).	13½	21½	35½	24	2 S. E. Scotch return tube double furnace.	51	1,365	1,450	1,550	.....
20 Ranger.....	Hor. comp. (1).	28	42	42	42	4 S. E. E.....	120	2,945	1,500	.....	20
21 Sacramento (19).	Vert. 3-exp. (1).	16	26½	44	26	2 B. & W.	112	3,800	1,022	.....	172
22 Samar.....	Vert. comp. (2).	12	16½	24½	15	1 S. E. Scotch.	40	1,040	1,250	.....	22
23 Sandoval....	Vert. 3-exp. (1).	7	11	17	15	1 S. E. Scotch.	.....	.....	666	.....	23
24 Vicksburg (11)	Vert. 3-exp. (1).	15½	23½	36	30	2 S. E. E.....	78	2,524	1,111	1,118	138
25 Villalobos....	Triple exp.	13	21	35	24	2 S. E. Scotch double furnace.	46.8	1,080	1,450	1,550	.....
26 Wheeling (14)	Vert. 3-exp. (2).	12	18	28	18	2 S. E. E.....	60	2,508	1,063	1,080	144
27 Wilmington (8)	Vert. 3-exp. (2).	15	22½	34½	18	4 B. & W.	150	5,140	1,868	1,898	.....
28 Yorktown (1)	Hor. 3-exp. (2).	22	31	50	30	4 Marine locomotive.	220	7,721	3,341	3,392	330
29 Number (21)...	Parson's turb. mech. red. gear.	.....	.....	.....	.....	.....	.....	.....	1,800	.....	.....
30 Number (22)...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Main engine only.

² Estimated.

³ Twin screws

Generating sets.						Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1	10	125	4-10-4000	Terry-Diehl.....		Palos (18)..... 15
2	10	125	6-10-450	General Electric Co.....		Pampanga..... 16
1	10	125	(*)	Kerr S. T. Co.....		Petrel (2)..... 17
1	7	110	4-7-550	General Electric Co.....		Princeton (13).... 18
1	5	110	4-5-600	Eddy Electric Mfg. Co. (New Britton engine.)....		Quiros..... 19
2	25	125	2-25-3600	General Electric Co.....		Ranger..... 20
1	5	.....	.....	Union Iron Works.....		Sacramento (19). 21
2	10	125	6-10-480	B. F. Sturtevant Co.....		Samar..... 22
1	4	80	(*)	Union Iron Works.....		Sandoval..... 23
2	8	80	4-8-500	B. F. Sturtevant Co.....		Vicksburg (11).... 24
2	16	125	6-16-450	General Electric Co.....		Villalobos..... 25
2	16	125	6-16-450	General Electric Co.....		Wheeling (14).... 26
2	16	125	6-16-450	General Electric Co.....		Wilmington (8). 27
2	16	125	6-16-450	General Electric Co.....		Yorktown (1).... 28
.....	.....	.....	.....	.....		Number (21).... 29
.....	.....	.....	.....	.....		Number (22).... 30

¹ Turbo-generating set.

² Not yet installed.

³ Compound engine direct connected to compound wound dynamo.

GUNBOATS

Continued.

Name and official number.	Batteries.		Flat.	Slope.	Rig and number of funnels.	Messes (complement).				Name and official number.
	Guns.	Torpedo tubes.				Wardroom officers.	Chief petty officers.	Men.	Marines.	
			Inch.	Inch.						
15 Palos (16).....	2 6-pdr. R. F.; 6 auto. machine rifles.....		15	15	Pole masts, 1 fighting top; 2 funnels..	2	2	43		Palos (16)..... 15
16 Pampanga.....	4 3-pdr. R. F.; 2 1-pdr. R. F.....		16	16	Signal mast; 1 funnel.....	2	2	27		Pampanga..... 16
17 Petrel (2).....	4 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....		17	17	2-masted schooner; 1 funnel.....	8	11	111		Petrel (2)..... 17
18 Princeton (13).....	4 6-pdr. R. F.; 2 1-pdr. R. F.....		18	18	Barkentine; 1 funnel.....	8	11	125		Princeton (13)..... 18
19 Quiros.....	4 3-pdr. R. F.....		19	19	Schooner.....	2	2	52		Quiros..... 19
20 Ranger.....			20	20	Barkentine; 1 funnel.....	8	9	122		Ranger..... 20
21 Sacramento (19).....	3 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....		21	21	Pole masts, 1 fighting top; 1 funnel..	8	11	124		Sacramento (19)..... 21
22 Samar.....	4 3-pdr. R. F.....		22	22	Signal mast; 1 funnel.....	2	2	27		Samar..... 22
23 Sandoval.....	2 3-pdr. R. F.; 2 1-pdr. R. F.....		23	23	Schooner; 1 funnel.....	2	2	18		Sandoval..... 23
24 Vicksburg (11).....	6 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....		24	24	Barkentine; 1 funnel.....	8	11	124		Vicksburg (11)..... 24
25 Villalobos.....	4 3-pdr. R. F.; 2 1-pdr. R. F.....		25	25	Schooner; 1 funnel.....	2	2	52		Villalobos..... 25
26 Wheeling (14).....	6 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....		26	26	Schooner; 1 funnel.....	8	10	113		Wheeling (14)..... 26
27 Wilmington (8).....	8 4" 40 cal. R. F.; 4 3-pdr. R. F.....		27	27	1 mil. m.; 1 funnel.....	10	12	157	30	Wilmington (8)..... 27
28 Yorktown (1).....	6 5" 40 cal. R. F.; 4 6-pdr. R. F.; 4 1-pdr. R. F.....		28	28	Schooner; 1 funnel.....	8	13	150	20	Yorktown (1)..... 28
29 Number (21).....	3 4" 50 cal. R. F.....		29	29	2 pole masts; 1 funnel.....					Number (21)..... 29
30 Number (22).....			30	30						Number (22)..... 30

GUNBOATS

Concluded.

Name and official number.	Net tonnage for Suez Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.
15 Palos (16).....		\$260,000	May 4, 1898. Aug. 22, 1912.		15 Apr. 28, 1913	15 Apr. 23, 1914			June 24, 1914	15 Palos (16).....
16 Pampanga.....		(*)			16 Mar. —, 1887	16 Feb. —, 1888	1888		June 8, 1899 Jan. 31, 1916	16 Pampanga.....
17 Petrel (2).....	362	247,000	Mar. 3, 1885.....	Dec. 22, 1886.....	17 Aug. 27, 1887	17 Oct. 13, 1888	Dec. 22, 1887	Oct. 15, 1889	Dec. 10, 1889 May 2, 1910	17 Petrel (2).....
18 Princeton (13).....	\$560	230,000	Mar. 2, 1895.....	Nov. 20, 1895.....	18 May —, 1896	18 June 3, 1897	Feb. 20, 1897	July 25, 1898	May 27, 1898 Nov. 5, 1909	18 Princeton (13)....
19 Quiros.....		(*)			19 June —, 1894	19 1895	Apr. —, 1895		Mar. 14, 1900 Oct. 11, 1910	19 Quiros.....
20 Ranger.....					20 1873		1876			20 Ranger.....
21 Sacramento (19).....		492,500	Mar. 4, 1911.....	Sept. 9, 1912.....	21 Apr. 30, 1913	21 Feb. 21, 1914	June 9, 1914	Apr. 26, 1914	Apr. 26, 1914	21 Sacramento (19) ..
22 Samar.....		(*)			22 Mar. —, 1887	22 Nov. —, 1887	1888		May 26, 1899 Mar. 11, 1903	22 Samar.....
23 Sandoval.....		(*)			23				Sept. 2, 1898 Mar. 22, 1906 ¹	23 Sandoval.....
24 Vicksburg (11).....	\$560	229,400	Mar. 2, 1895.....	Nov. 15, 1895.....	24 Mar. —, 1896	24 Dec. 5, 1896	Feb. 15, 1897	July 8, 1897	Oct. 23, 1897 May 17, 1909	24 Vicksburg (11)....
25 Villalobos.....		(*)			25 Sept. —, 1895	25 1896	July —, 1896		Mar. 5, 1900 Jan. 21, 1903	25 Villalobos.....
26 Wheeling (14).....	518	219,000	Mar. 2, 1895.....	Nov. 26, 1895.....	26 Apr. 11, 1896	26 Mar. 18, 1897	Feb. 26, 1897	Aug. 6, 1897	Aug. 10, 1897 May 3, 1910	26 Wheeling (14).....
27 Wilmington (8).....	\$921	280,000	Mar. 3, 1893.....	Jan. 29, 1894.....	27 Oct. 8, 1894	27 Oct. 19, 1895	Jan. 29, 1896	May 17, 1897	May 13, 1897 Apr. 2, 1906	27 Wilmington (8)....
28 Yorktown (1).....	\$482	455,000	Mar. 3, 1885.....	Jan. 31, 1887.....	28 May 14, 1887	28 Apr. 28, 1888	Jan. 31, 1888	Mar. 23, 1889	Apr. 23, 1889 Apr. 1, 1913	28 Yorktown (1).....
29 Number (21).....		\$860,000	Aug. 29, 1916.....		29					29 Number (21).....
30 Number (22).....			Aug. 29, 1916.....		30					30 Number (22).....

¹ Limit of cost.² Transferred to the Navy from the Army Nov. 9, 1899.³ Subject to possible change.⁴ Transferred to the Navy from the Army Feb. 21, 1900 (General Alava, Quiros, and Villalobos), at a cost of \$215,000 Mexican.⁵ Captured during War with Spain.⁶ Authorized but not appropriated for.

TRANS

PORTS.

Name and official number.	Material.	Rig and number of funnels.	Built.		
			When.	Where.	By whom.
1 Buffalo ¹	Steel..	Topsail schooner, 1 funnel.	1892	Newport News, Va.	Newport News S. B. & D. D. Co.
2 General Alava ²	Steel..	Schooner, 1 funnel.....	1895	Dumbarton, Scotland. ³	A. McMillan & Son.
3 Hancock ⁴	Iron....	Schooner, 4 masts, 1 funnel.	1879	Glasgow, Scotland.	J. Elder & Co...
4 Henderson (1).....	Steel..	2 masts, 1 funnel.....	(⁵)	Navy yard, Philadelphia, Pa.	United States...
5 Prairie ¹	Iron....	Brig, 1 funnel.....	1890	Philadelphia, Pa.	Wm. Cramp & Sons.
6 <i>Haywood</i> Number (2) ⁶					

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Buffalo.....	Vert. 3-exp. (1).....	33	52	84	54	3 D. E.....	Sq. ft. 414	Sq. ft. 11,795		3,600	Tons.
2 General Alava..	Vert. 3-exp. (1).....	17	27	45	30	1 S. E., auxiliary.	82	1,855		770	.....
3 Hancock.....	Vert. 3-exp. (1).....	33	56	92	66	3 D. E.; 2 S. E.	462	14,088		3,100	.....
4 Henderson (1)...	Vert. 3-exp (2).....	21	37	63	48	3 B. & W...	(⁶)	11,400	4,000		.....
5 Prairie.....	Vert. 3-exp. (1).....	22	52	84	54	3 D. E. 1; auxiliary.	447	10,506		3,800	.....
6 Number (2).....											.....

- ¹ Purchased during War with Spain.
² Originally purchased by War Department.
³ Engined by David Rowen & Son, of Glasgow.
⁴ Transferred from the Army Nov. 8, 1902.
⁵ Estimated.
⁶ Oil burning.
⁷ Design, main engines only.
⁸ Building.
⁹ Authorized but not appropriated for.

Duty or station Nov. 1, 1916.	Length over all.	Length between perpendiculars.	Breadth.	Mean draft.	Name and official number.
1 Pacific Fleet.....	Ft. in. 406 1	Ft. in. 391 1	Ft. in. 48 3	Ft. in. 19 5	Buffalo..... 1
2 Naval station, Cavite.....		212 6	29 9	11 0	General Alava... 2
3 General service, Atlantic.....	465 6	450 2	45 4	24 3	Hancock..... 3
4 Building, 86.7% complete.....	483 10½	460 0	61 1	19 10½	Henderson (1)... 4
5 Atlantic Fleet.....	404 9	391 6	48 3	20 9	Prairie..... 5
6					Number (2).... 6

Generating sets.						Submarine signal set.	Name and official number.
No.	Kilowatts.	Volts.	Type.	Builders.			
1	2	30	125	2-30-1250	Edison General Electric Co. (Ideal engines)	.....	Buffalo.....
2	1	10	110	4-10-450	General Electric Co		General Alava..
3	1	25	125	4-25-400	Union Iron Works	(¹)	Hancock.....
	2	24	125	8-24-400	General Electric Co.		
4	2	200	125	(¹)	Westinghouse Co.....	(¹)	Henderson (1)..
5	3	15	110	4-15-400	General Electric Co	(¹)	Prairie.....
6	.....					.....	Number (2)....

- ¹ Foreside of stem to afterside of rudder post.
² Extreme.
³ On load water line.
⁴ One receiving set, type J, manufactured by the Submarine Signal Co.
⁵ Turbo-generators.

TRANSPORTS

Name and official number.	Displacement.	Net tonnage for Suez Canal.	Net tonnage for United States.	Net tonnage for Panama Canal.	Speed.	Bunker capacity (42 cubic feet to the ton).	Battery.
1 Buffalo.....	Tons. 6,000	Tons.			Knots. 14.5	Tons. 1,408	6 4" 40 cal. R. F.; 4 3-pdr. R. F.
2 General Alava.....	1,115				10.5	246	2 6-pdr. R. F.
3 Hancock.....	18,500	3,840	2,977	3,400	13.0	1,423	6 3" 50 cal. S. A.; 2 3-pdr. guns for saluting.
4 Henderson (1).....	10,000				14.0	1,359,040 (1,200)	8 5" 50 cal. R. F.; 2 3-pdr. saluting.
5 Prairie.....	6,620				14.5	1,331	10 3" 50 cal. S. A.; 2 6-pdr. R. F.; 3 1-pdr. R. F.
6 Number (2).....							
	32,235	Total displacement.					

¹ Estimated.² Calculated to 6" below beams.³ Gallons of oil fuel.⁴ Tons of oil fuel.

SUPPLY

Name and official number.	Material.	Type.	Rig.	Built.		
				When.	Where.	By whom.
1 Bridge (1) ¹	Steel.	Supply ship..	2 pole masts.	(²)	Navy yard, Boston, Mass.	United States...
2 Celtic ²	Steel.	Refrigerator ship.	2 pole masts.	1891	Belfast, Ireland.	Workman, Clark & Co. (Ltd.).
3 Culgoa ²	Steel.	Supply ship..	Schooner....	1889	Sunderland, England.	J. L. Thompson & Son.
4 Glacier ^{1,2}	Steel.	Refrigerator ship.	Schooner....	1891	Sunderland, England.	J. L. Thompson & Son.
5 Supply ²	Iron..	Supply ship..	Schooner....	1873	Philadelphia, Pa.	Wm. Cramp & Sons.

¹ Fitted with towing machine.² Purchased during War with Spain.³ Authorized, Mar. 4, 1913.

—Concluded.

Messes (complement).				Contract price of hull and machinery.	Date of act authorizing the building.	Date of first and latest commission.	Name and official number.
Wardroom officers.	Warrant officers.	Chief petty officers.	Men.				
1 8	4	14	171	\$575,000		July 13, 1898; Nov. 29, 1915.	Buffalo..... 1
2 9		6	82	(¹)		Mar. 9, 1900; Feb. 26, 1906.	General Alava.. 2
3 8	4	17	198			Nov. 20, 1902.	Hancock..... 3
4 8	5	16	185	\$1,850,000	Mar. 4, 1913		Henderson (1).. 4
5 8	4	14	174	\$575,000		Apr. 14, 1898; Sept. 26, 1906.	Prairie..... 5
6					Aug. 29, 1916 ³		Number (2).... 6

¹ Purchase price.² Limit of cost.³ Does not include 15 marines.⁴ Transferred to the Navy from the Army Feb. 21, 1900 (Gen. Alava, Quiros, and Villabobos), at a cost of \$215,000 Mexican.⁵ Authorized but not appropriated for.

SHIPS.

Duty or station Nov. 1, 1916.	Length over all.	Length between perpendiculars.	Breadth.	Mean draft.	Name and official number.
1 Building, 87.3% complete.....	Ft. in. 422 11	Ft. in. 400 0	Ft. in. 55 2½	Ft. in. 20 8	Bridge (1)..... 1
2 Supply ship, Atlantic Fleet...	383 1	369 8	44 7	21 0	Celtic..... 2
3 Supply ship, Atlantic Fleet...	346 4	334 4	43 0	21 9	Culgoa..... 3
4 Supply ship, Pacific Fleet....	388 7	353 0	46 1	25 4	Glacier..... 4
5 Station ship, Guam.....	355 8	342 7	43 4	19 5	Supply..... 5

SUPPLY

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Bridge (1).....	Vert. 3-exp. (2).	21½	37	63½	48	3 water tube.	Sq. ft. (1)	Sq. ft. 11,400	14,000		Tons.
2 Celtic.....	Vert. 3-exp. (1).	26½	44	72	48	4 B. & W...	250	8,140		2,200	
3 Culgoa.....	Vert. 3-exp. (1).	28	44½	72	48	2 D. E.....	185	6,799	2,350	2,383	
4 Glacier.....	Vert. 3-exp. (1).	30	48	78	54	3 D. E., 1 auxiliary.	243	7,134		2,127	
5 Supply.....	Vert. 3-exp. (1).	23	36	60	36	1 D. E., 2 auxiliary.	114	3,827		1,069	

Name and official number.	Displacement.	Tons per inch, normal draft.	Net tonnage for Suez Canal.	Net tonnage for United States.	Net tonnage for Panama Canal.	Speed.	Bunker capacity (42 cubic feet to the ton).
1 Bridge (1).....	Tons. 8,500	41.85	Tons.			Knots. 14	Tons. 299,200 (1,000)
2 Celtic.....	6,750	30	2,860	2,387	2,576	* 10.5	757
3 Culgoa.....	6,000	28.5	2,481			13.25	980
4 Glacier.....	8,325	32.7				12.3	939
5 Supply.....	4,325	25	2,629			9.66	1,053
33,900 Total displacement.							

1 Oil burning.

2 Design, main engines only.

3 Estimated.

4 Gallons of oil fuel.

5 Tons of oil fuel.

SHIPS—Concluded.

Generating sets.					Submarine signal set.	Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1	2	35	125	6-35-3600	Westinghouse Co.....	(1) Bridge (1)..... 1
2	2	8	125	6-8-450	B. F. Sturtevant Co.....	Celtic..... 2
3	2	16	125	6-16-450	General Electric Co.....	Culgoa..... 3
4	2	16	125	6-16-450	General Electric Co.....	Glacier..... 4
5	1	24	80	6-24-450	General Electric Co.....	Supply..... 5
2	16	80	4-16-450			

Guns.	Contract price of hull and machinery.	Messes (complement).				Date of first and latest commission.	Name and official number.
		Wardroom officers.	Warrant officers.	Chief petty officers.	Men.		
1 4 5" 50 cal. R. F.....	\$1,425,000			14	136		Bridge (1)..... 1
2 4 3" 50 cal. R. F.....	\$340,900	8	4	13	127	May 25, 1898 Oct. 23, 1903	Celtic..... 2
3 4 3" 50 cal. R. F.....		8	4	12	118	Dec. 3, 1898 Sept. 12, 1907	Culgoa..... 3
4 13-pdr. R. F.....	\$340,550	8	4	11	126	July 5, 1898 Sept. 15, 1905	Glacier..... 4
5 6 6-pdr. R. F.; 4 1-pdr. R. F...	\$325,000	8	4	11	105	Aug. 1, 1902	Supply..... 5

1 Turbo-generators.

2 One receiving set, type J, manufactured by Submarine Signal Co.

3 Limit of cost.

4 Purchase price.

HOSPITAL SHIPS.

	Name.	Material.	Rig.	Built.			
				When.	Where.	By whom.	
1	Solace ¹	Steel....	Schooner.....	1896	Newport News, Va.	Newport News S. B. Co.	1
2	Number (1).....	Steel....	2 masts; 1 funnel.	.....	Philadelphia, Pa.	Navy yard, Philadelphia, Pa.	2

	Name.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.	
			H. P.	I. P.	L. P.	Stroke.							
1	Solace.....	Vert. 3-exp. (1).	In. 28	In. 44	In. 74	In. 54	3 D. E.....	Sq. ft. 383	Sq. ft. 10,910	.....	* 3,200	Tons.	1
2	Number (1).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2

	Name.	Displacement.	Tons per inch, normal draft.	Net tonnage for Suez Canal.	Speed.	Bunker capacity (42 cubic feet to the ton).	
		Tons.	Tons.		Knots.	Tons.	
1	Solace.....	5,700	.....	2,759	* 15	1,162	1
2	Number (1).....	9,800	49.7	.....	* 16	.....	2
		15,500 total normal displacement.					

¹ Purchased during War with Spain.

* Estimated.

SHIPS.

	Duty or station Nov. 1, 1916.	Length over all.	Length between perpen- diculars.	Breadth.	Mean draft.	Name.	
1	Atlantic Fleet.....	<i>Ft. in.</i> 377 0	<i>Ft. in.</i> 361 2	<i>Ft. in.</i> 44 0	<i>Ft. in.</i> 22 0	Solace.....	1
2	Building 0% complete.....	483 10½	460 0	46 1	19 6	Number (1)	2

Generating sets.						Name	
No.	Kilo- watts.	Volts.	Type.	Builders.			
1	2	24	125	8-24-400	General Electric Co.....	Solace	1
2	.....					Number (1).....	2

Complement.		Contract price of hull and machinery.	Date of first and latest commission.	Name.		
Officers.	Men.					
1	17	152	\$600,000	Apr. 14, 1898; Nov. 20, 1909.....	Solace	1
2	.....		\$2,350,000	.....	Number (1)	2

¹ Also carries merchant complement of 12 officers and 82 men (civilians).² Purchase price.³ Limit of cost.⁴ Extreme.

FUEL

	Name and official number.	By whom and where built or building.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	Keel laid.	Launched.
1	Abarenda ¹ .	Edwards S.B.Co., Newcastle, England. ³	\$175,000				1
2	Ajax ¹ .	D. & W. Henderson & Co., Glasgow, Scotland. ³	\$267,657				2
3	Arethusa ¹ .	Craig, Taylor & Co., Stockton. ⁵	\$218,992			1893	3
4	Brutus ¹ .	J. Redhead & Sons, South Shields, England. ⁵	\$215,000				4
5	Cæsar ¹ .	Ropner & Son, Stockton-on-Tees, England. ⁵	\$175,194				5
6	Cuyama (15). ⁴	United States navy yard, Mare Island. ⁷	\$1,140,000	Mar. 3, 1915		Dec. 15, 1915	June 17, 1916
7	Cyclops (4).	Wm. Cramp & Sons, Philadelphia, Pa. ⁵	\$22,500	May 13, 1908	Mar. 24, 1909	June 2, 1909	May 7, 1910
8	Hector (7).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$479,600	May 13, 1908	Oct. 28, 1908	Oct. 5, 1908	July 3, 1909
9	Jason (12).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$951,000	Mar. 4, 1911	Aug. 22, 1911	Mar. 26, 1912	Nov. 16, 1912
10	Jupiter (3).	United States navy yard, Mare Island. ⁷	\$1,200,000	May 13, 1908		Oct. 18, 1911	Aug. 24, 1912
11	Kanawha (13). ⁴	United States navy yard, Mare Island. ⁷	\$1,140,000	Aug. 22, 1912		Dec. 8, 1913	July 11, 1914
12	Mars (6).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$479,600	May 13, 1908	Oct. 28, 1908	Oct. 5, 1908	Apr. 10, 1909
13	Maumee (14). ⁴	United States navy yard, Mare Island. ⁷	\$1,140,000	Aug. 22, 1912		July 23, 1914	Apr. 17, 1915
14	Nanshan ¹ .	Grangemouth Dockyard Co., Grangemouth, Scotland. ¹⁰	\$155,728				14
15	Neptune (8).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$89,600	Mar. 3, 1909	Sept. 23, 1909	Mar. 23, 1910	Jan. 21, 1911
16	Nereus (10).	Newport News S.B.Co., Newport News, Va. ⁹	\$990,000	June 24, 1910	Aug. 29, 1911	Dec. 4, 1911	Apr. 26, 1913
17	Nero ¹ .	J. L. Thompson & Son (Ltd.), Sunderland, England. ¹⁰	\$215,000				17
18	Orion (11).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$951,000	Mar. 4, 1911	Aug. 22, 1911	Oct. 6, 1911	Mar. 23, 1912
19	Proteus (9).	Newport News S.B.Co., Newport News, Va. ⁹	\$990,000	June 24, 1910	Aug. 29, 1911	Oct. 31, 1911	Sept. 14, 1912
20	Saturn ¹ .	Harlan & Hollingsworth, Wilmington, Del. ¹⁰	\$290,000				20
21	Sterling ¹ .	Duncan & Co., Port Glasgow, Scotland. ¹¹	\$190,000				21
22	Vulcan (5).	Maryland Steel Co., Sparrow Point, Md. ⁵	\$479,600	May 13, 1908	Oct. 28, 1908	Oct. 5, 1908	May 15, 1909
23	Number (16).	Navy yard, Boston, Mass. ¹²	\$1,500,000	Aug. 29, 1916			23
24	Number (17-18). ¹³			Aug. 29, 1916			24

¹ Purchased during War with Spain.² Purchase price.³ Asiatic station.⁴ Has towing machine.⁵ Atlantic station.⁶ Limit of cost.⁷ Building; 84.3% complete Nov. 1, 1916.⁸ Act of Congress approved Mar. 4, 1911.⁹ General service.¹⁰ Pacific station.¹¹ Navy yard, Philadelphia.¹² Building; 0% complete Nov. 1, 1916.¹³ Authorized but not appropriated for.

SHIPS.

	Contract date of completion.	Date of first and latest commission.	Length over all.	Length between perpendiculars.	Breadth.	Depth of hold.	Net tonnage.			Name and official number.
							Panama Canal.	Suez Canal.	United States.	
1	May 20, 1898	Feb. 21, 1905	325 ft. 6 in.	314 ft. 0 in.	42 ft. 0 in.	28 ft. 6 in.		2,133		Abarenda..... 1
2	May 21, 1898	July 3, 1912	387 ft. 6 in.	375 ft. 4 in.	46 ft. 6 in.	30 ft. 0 in.		3,320		Ajax..... 2
3	Oct. 15, 1909	May 27, 1898	343 ft. 6 in.	332 ft. 0 in.	42 ft. 2 in.		2,151	2,313	2,016	Arethusa..... 3
4	May 27, 1898	July 2, 1912	332 ft. 6 in.	321 ft. 6 in.	41 ft. 6 in.	21 ft. 9 in.	2,172	2,302	2,262	Brutus..... 4
5	May 13, 1898	Nov. 4, 1905	322 ft. 1 in.	310 ft. 0 in.	43 ft. 11 in.	20 ft. 6 in.	1,731	2,072		Cæsar..... 5
6			475 ft. 7 in.	455 ft. 0 in.	56 ft. 0 in.	33 ft. 11 in.				Cuyama (15)..... 6
7	Nov. 24, 1910	Nov. 7, 1910	542 ft. 0 in.	520 ft. 0 in.	65 ft. 0 in.	36 ft. 9 in.		7,055	6,004	Cyclops (4)..... 7
8	Oct. 28, 1909	Oct. 22, 1909	403 ft. 0 in.	385 ft. 0 in.	53 ft. 0 in.	29 ft. 6 in.	3,042	3,583	3,043	Hector (7)..... 8
9	Aug. 22, 1913	June 26, 1913	536 ft. 0 in.	514 ft. 0 in.	65 ft. 0 in.	36 ft. 3 in.	6,346	7,148	6,258	Jason (12)..... 9
10		Apr. 7, 1913	542 ft. 0 in.	520 ft. 0 in.	65 ft. 0 in.	36 ft. 9 in.		7,212	6,105	Jupiter (3)..... 10
11		June 5, 1915	475 ft. 7 in.	455 ft. 0 in.	56 ft. 0 in.	33 ft. 11 in.	5,388	5,937	5,580	Kanawha (13)..... 11
12	Aug. 28, 1909	Aug. 26, 1909	403 ft. 0 in.	385 ft. 0 in.	53 ft. 0 in.	29 ft. 6 in.	3,197			Mars (6)..... 12
13		Dec. 11, 1912	475 ft. 7 in.	455 ft. 0 in.	56 ft. 0 in.	33 ft. 11 in.				Maumee (14)..... 13
14		Oct. 23, 1916	295 ft. 8 in.	285 ft. 0 in.	39 ft. 0 in.	24 ft. 0 in.				Nanshan..... 14
15		Feb. 1, 1907								
15	June 22, 1911	Sept. 20, 1911	542 ft. 0 in.	520 ft. 0 in.	65 ft. 0 in.	36 ft. 9 in.		7,581	5,968	Neptune (8)..... 15
16	June 29, 1913	Dec. 5, 1912	522 ft. 0 in.	500 ft. 0 in.	62 ft. 0 in.	36 ft. 9 in.	6,749	7,640	5,325	Nereus (10)..... 16
17		Sept. 10, 1913	522 ft. 0 in.	500 ft. 0 in.	62 ft. 0 in.	36 ft. 9 in.				Nereus (10)..... 16
17		June 8, 1898	323 ft. 5 in.	312 ft. 0 in.	41 ft. 0 in.	20 ft. 6 in.				Nero..... 17
17		July 31, 1913								
18	Aug. 22, 1913	July 29, 1912	536 ft. 0 in.	514 ft. 0 in.	65 ft. 0 in.	36 ft. 3 in.		7,148	6,258	Orion (11)..... 18
19	June 29, 1913	July 9, 1913	522 ft. 0 in.	500 ft. 0 in.	62 ft. 0 in.	36 ft. 9 in.	6,522	7,599	5,559	Proteus (9)..... 19
20		June 15, 1914	522 ft. 0 in.	500 ft. 0 in.	62 ft. 0 in.	36 ft. 9 in.				Proteus (9)..... 19
20		Apr. 11, 1898	297 ft. 1 in.	283 ft. 0 in.	40 ft. 5 in.	26 ft. 4 in.				Saturn..... 20
20		Aug. 3, 1913								
21		Apr. 16, 1898	284 ft. 0 in.	275 ft. 0 in.	37 ft. 0 in.	23 ft. 6 in.	1,391	1,499	1,218	Sterling..... 21
21		Aug. 9, 1913								
22	Sept. 28, 1909	Oct. 2, 1909	403 ft. 0 in.	385 ft. 0 in.	53 ft. 0 in.	29 ft. 6 in.				Vulcan (5)..... 22
22		July 2, 1912								
23			475 ft. 7 in.	455 ft. 0 in.	56 ft. 0 in.	33 ft. 11 in.				Number (16)..... 23
24										Number (17-18)..... 24

¹ Molded.² Date of placing out of commission.

FUEL

SHIPS—Continued.

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.	Generating sets.					Submarine signal sets.	Name and official number.
		H. P.	I. P.	L. P.	Stroke.							No.	Kilo-watts.	Volts	Type.	Builders.		
1 Abarenda.....	Vert. 3-exp. (1).....	23	38	62	42	2 S. E.	106	4,000	11,050	1	1	1	10	110	4-10-450	General Electric Co.	Abarenda.....	1
2 Ajax.....	Vert. 3-exp. (1).....	27	44	71	60	3 S. E.; 1 auxiliary.	254		13,000	2	2	2	24	80	6-24-400	General Electric Co.	Ajax.....	2
3 Arethusa.....	Vert. 3-exp. (1).....	25	40	66	45	2 B. & W. ²	(²)	4,812	11,700	3	3	1	10	110	6-10-450	General Electric Co.	Arethusa.....	3
4 Brutus.....	Vert. 3-exp. (1).....	24	40	64	42	2 S. E.; 1 auxiliary.	123	4,000	11,200	4	4	1	15	120	6-15-425	B. F. Sturtevant Co.	Brutus.....	4
5 Caesar.....	Vert. 3-exp. (1).....	22	37	61	42	2 D. E.; 1 auxiliary.	104	3,760	11,500	5	5	1	15	125	6-15-400	B. F. Sturtevant Co.	Caesar.....	5
6 Cuyama (15).....	Vert. 3-exp. (2).....	23	39	68	48	4 B. & W. ²	(²)	12,000	15,200	6	6	2	50	125	(¹ ²)	B. F. Sturtevant Co.	Cuyama (15).....	6
7 Cyclops (4).....	Vert. 3-exp. (2).....	27	46	76	48	3 D. E.; 1 auxiliary.	450	19,379	16,705	7	7	2	15	125	4-15-400	General Electric Co.	Cyclops (4).....	7
8 Hector (7).....	Vert. 3-exp. (2).....	22	37	60	42	4 S. E.	235	10,200	13,921	8	8	1	15	125	6-15-400	B. F. Sturtevant Co.	Hector (7).....	8
9 Jason (12).....	Vert. 3-exp. (2).....	27	46	76	48	3 D. E.	440	18,921	16,876	9	9	2	25	125	8-25-350	B. F. Sturtevant Co.	Jason (12).....	9
10 Jupiter (3).....	G. E. Electric Drive.					3 D. E.	450	19,379	7,161	10	10	3	35	125	2-35-3600	General Electric Co. (Curtis turbine)	Jupiter (3).....	10
11 Kanawha (13).....	Vert. 3-exp. (2).....	23	39	68	48	4 B. & W. ²	(²)	12,000	15,200	11	11	2	50	125	6-30-2800	Terry-Diehl	Kanawha (13).....	11
12 Mars (6).....	Vert. 3-exp. (2).....	27	46	76	48	4 S. E.	235	10,200	13,918	12	12	1	15	125	6-15-400	B. F. Sturtevant Co.	Mars (6).....	12
13 Maumee (14).....	Diesel 2 cycle (2).....					1 B. & W. auxiliary.			15,000	13	13	2	50	125	6-50-2800	Terry-Diehl	Maumee (14).....	13
												1	25	125	6-25-375	General Electric Co. (Diesel oil engine)		
14 Nanshan.....	Vert. 3-exp. (1).....	23	38	61	42	2 S. E.; 1 auxiliary.	120	3,365	1,400	14	14	1	24	80	8-24-400	General Electric Co.	Nanshan.....	14
15 Neptune (8).....	Westinghouse-Parson's turb. mech. r. e. d. gear.					3 D. E.; 1 auxiliary.	462	19,544	15,409	15	15	2	15	125	6-15-400	B. F. Sturtevant Co.	Neptune (8).....	15
16 Nereus (10).....	Vert. 3-exp. (2).....	26	43	74	48	3 D. E.	430	18,492	16,904	16	16	2	25	125	6-25-400	General Electric Co.	Nereus (10).....	16
17 Nero.....	Vert. 3-exp. (1).....	23	37	61	42	2 S. E.; 1 auxiliary.	122	4,426	11,000	17	17	1	12.5	125	4-12.5-400	Eddy Electric Co. (Sturtevant eng.)	Nero.....	17
												1	15	125	4-15-400	B. F. Sturtevant Co.		
18 Orion (11).....	Vert. 3-exp. (2).....	27	46	76	48	3 D. E.	440	18,921	16,943	18	18	2	25	125	8-25-350	B. F. Sturtevant Co.	Orion (11).....	18
19 Proteus (9).....	Vert. 3-exp. (2).....	26	43	74	48	3 D. E.	430	18,492	17,202	19	19	2	25	125	6-25-400	General Electric Co.	Proteus (9).....	19
20 Saturn.....	Vert. 3-exp. (1).....	24	39	59	48	4 B. & W.	182	5,092	1,500	20	20	2	4	125	4-4-600	General Electric Co. (engine) Forbes	Saturn.....	20
												1	24	125		General Electric Co.		
21 Sterling.....	Vert. 3-exp. (1).....	22	32	55	42	1 S. E.; 1 auxiliary.	54	3,466	1,026	21	21	1	2	(⁴)			Sterling.....	21
22 Vulcan (5).....	Vert. 3-exp. (2).....	22	37	60	42	4 S. E.	23	10,200	13,736	22	22	1	15	125	6-15-400	B. F. Sturtevant Co.	Vulcan (5).....	22
23 Number (16).....										23	23						Number (16).....	23
24 Number (17-18).....										24	24						Number (17-18).....	24

¹Estimated.²Oil burning.³Oil fuel.⁴Main engines only.⁵Design.⁶Turbo-generating set.
⁷Not yet installed.⁸One receiving set, type (J), manufactured by the Submarine Signal Co.
⁹Radio only.

FUEL

	Name and official number.	Designed mean draft.	Displacement.	Dead-weight capacity to designed draft.				
				Cargo fuel.	Bunker fuel.	Reserve feed water.	Other weights.	Total.
		<i>Ft. in.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	
1	Abarenda.....		16,680					
2	Ajax.....		9,250					
3	Arethusa.....	20 11 ³	6,160					
4	Brutus.....		6,550					
5	Cæsar.....		5,940					
6	Cuyama (15).....	26 2	14,500	7,500	1,575	110	415	9,600
7	Cyclops (4).....	27 8	19,360	10,500	2,000	100	300	12,900
8	Hector (7).....	24 8	11,250	7,200	300	50	50	7,600
9	Jason (12).....	27 8	19,250	10,500	2,000	100	600	13,200
10	Jupiter (3).....	27 8	19,360	10,500	2,000	100	300	12,900
11	Kanawha (13).....	26 2	14,500	7,500	1,575	110	415	9,600
12	Mars (6).....	24 8	11,250	7,200	300	50	50	7,600
13	Maumee (14).....	26 2	14,500	7,500	1,575	110	415	9,600
14	Nanshan.....	21 3 ³	5,140					
15	Neptune (8).....	27 8	19,480	10,500	2,000	100	400	13,000
16	Nereus (10).....	27 8	19,080	10,500	2,000	100	300	12,900
17	Nero.....		6,100					
18	Orion (11).....	27 8	19,250	10,500	2,000	100	600	13,200
19	Proteus (9).....	27 8	19,080	10,500	2,000	100	300	12,900
20	Saturn.....	21 3 ³	4,840					
21	Sterling.....		5,660					
22	Vulcan (5).....	24 8	11,250	7,200	300	50	50	7,600
23	Number (16).....	26 2	14,500					9,600
24	Number (17-18).....							
	Total displacement.....		282,930					

¹ To Plimsoll mark.² Approximate.³ From inclining experiment.

SHIPS—Concluded.

Draft to Plimsoll mark.	Dead-weight capacity to Plimsoll mark. ¹	Maximum bunker capacity (42 cubic feet per ton). ²	Maximum cargo capacity for coal (42 cubic feet per ton). ³	Maximum cargo capacity for oil (40 cubic feet per ton). ⁴	Speed loaded.	Complement.		Name and official number.	
						Officers.	Men.		
<i>Ft. in.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>					
1 22 10	4,800	825	3,500		9	11	31	Abarenda.....	1
2		500	4,800		10	11	44	Ajax.....	2
3 22 9	4,100	(⁵)		4,450	10	11	32	Arethusa.....	3
4 22 11	4,800	450	4,850		10	11	30	Brutus.....	4
5 19 7		800	3,250		10	11	30	Caesar.....	5
6		⁶ 1,575		7,500	14			Cuyama (15).....	6
7 29 9	14,500	2,275	11,600 ⁷ 10,100	2,925 ⁸ 1,275	14.61	13	91	Cyclops (4).....	7
8 25 8	8,100	825	7,600		12.87	12	70	Hector (7).....	8
9 29 0	14,200	2,300	11,500	2,575	14.32			Jason (12).....	9
10		2,300	11,600 ⁹ 10,100	3,075 ¹⁰ 1,275	14.99	13	157	Jupiter (3).....	10
11		¹¹ 1,575		7,500	14	12	64	Kanawha (13).....	11
12 25 8	8,100	825	7,600		12.65	12	70	Mars (6).....	12
13		¹² 1,575		7,500	14	10	140	Maumee (14).....	13
14		425	2,850		10.5	11	30	Nanshan.....	14
15 28 11	14,000	2,500	11,700 ¹³ 10,200	2,925 ¹⁴ 1,250	12.93	13	139	Neptune (8).....	15
16		1,925	11,800 ¹⁵ 10,100	3,050 ¹⁶ 1,125	14.58	13	91	Nereus (10).....	16
17 21 6	4,000	300	4,300		9	11	30	Nero.....	17
18 29 0	14,200	2,300	11,500	2,575	14.47	13	91	Orion (11).....	18
19		1,925	11,800 ¹⁷ 10,100	3,050 ¹⁸ 1,125	14.67	13	91	Proteus (9).....	19
20		400	2,550		11	11	30	Saturn.....	20
21		475	2,750		11	11	30	Sterling.....	21
22 25 8	8,100	825	7,600		12.82	12	70	Vulcan (5).....	22
23					14			Number (16).....	23
24								Number (17-18).....	24

¹ Dead-weight includes all cargo, ship's fuel and stores, potable and reserve feed water and ballast.
² Weight is based on volume of holds and contemplates close stowage. This exceeds designed capacity for ordinary loose stowage. Total load carried must be governed by "Dead-weight capacities."
³ Estimated.
⁴ Merchant complements (civilians).
⁵ Drawn from cargo holds.
⁶ Oil fuel.
⁷ Approximate.
⁸ With maximum oil.
⁹ With maximum coal.

CONVERTED

	Name.	Material.	Rtg.	Built.			
				When.	Where.	By whom.	
1	Alleen ¹	Steel.....	Schooner..	1896	Chester, Pa.....	John Roach.....	1
2	Dorothea ¹	Steel.....	Schooner..	1897	Philadelphia, Pa...	Wm Cramp & Sons.....	2
3	Eagle ¹	Steel.....	1 mast....	1890	Wilmington, Del...	Harlan & Hollingsworth.	3
4	Elfrida ^{1 2}	Steel.....	Schooner..	1889	Wilmington, Del...	Harlan & Hollingsworth.	4
5	Gloucester ¹ ...	Steel.....	Schooner..	1891	Philadelphia, Pa...	Neafie & Levy.....	5
6	Hawk ¹	Steel.....	1 mast....	1891	Palsley, Scotland...	Fleming & Ferguson....	6
7	Huntress ¹	Composite	Schooner..	1895	Nyack-on-Hudson..	Chas. L. Seabury & Co..	7
8	Mayflower ¹ ...	Steel.....	Schooner..	1896	Clydebank, Scot- land.	J. & G. Thompson.....	8
9	Scorpion ¹	Steel.....	Schooner..	1896	South Brooklyn, N. Y.	John N. Robins.....	9
10	Sylph ¹	Steel.....	Schooner..	1898	Chester, Pa.....	John Roach.....	10
11	Sylvia ¹	Iron.....	Schooner..	1882	Glasgow, Scotland.	A. Stephen & Sons.....	11
12	Viren ¹	Steel.....	Schooner..	1896	Elizabethport, N. J.	Lewis Nixon.....	12
13	Wasp ¹	Steel.....	Schooner..	1898	Philadelphia, Pa...	Wm. Cramp & Sons.....	13
14	Yankton ¹	Steel.....	Schooner..	1893	Leith, Scotland....	Ramage & Ferguson....	14

¹ Purchased during War with Spain.² Suitable for harbor service only.

VACHTS.

	Duty or station, Nov. 1, 1916.	Length.	Breadth.	Mean draft.	Name.	
		<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>		
1	Naval Militia, Rhode Island ¹	120 0	20 0	8 0	Alleen.....	1
2	Naval Militia, Ohio ¹	182 4	23 5	11 5	Dorothea....	2
3	Special service, Atlantic, surveying.....	155 6	24 0	11 6	Eagle.....	3
4	Naval Militia, North Carolina ¹	101 6	18 0½	7 9	Elfrida.....	4
5	Naval Militia, New York ¹	204 0	27 2	12 0	Gloucester....	5
6	Naval Militia, New York ¹	145 0	22 0	11 6	Hawk.....	6
7	Naval Militia, Missouri ¹	97 0	16 0	7 3	Huntress.....	7
8	Special service, Atlantic.....	273 0	36 0	17 4	Mayflower....	8
9	Station ship, Constantinople.....	212 9	28 1	11 0	Scorpion.....	9
10	Special service, Atlantic.....	123 8	20 0	7 6	Sylph.....	10
11	Naval Militia, District of Columbia ²	130 0	18 6	10 0	Sylvia.....	11
12	Naval Militia, New Jersey ²	182 3	28 0	12 8	Viren.....	12
13	Naval Militia, New York ²	180 0	23 0	12 0	Wasp.....	13
14	Tender, Atlantic Fleet.....	185 0	27 6	13 10	Yankton.....	14

¹ For date of assignment see p. 177.
² For date of assignment see p. 181.³ On waterline.

CONVERTED

Name.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Alleen.....	Vert. 3-exp. (1).	18	27	42	24	2 Roberts...	49	1,480		500	1
2 Dorothea.....	Vert. 3-exp. (1).	18	27	42	24	2 Yarrow....	65	2,546		1,558	2
3 Eagle.....	Vert. 3-exp. (1).	17	28	42	22	1 S. E.....	71	1,987		850	3
4 Elfrida.....	Vert. 3-exp. (1).	10½	16	24	16	1 Almy....	30	1,270		200	4
5 Gloucester.....	Vert. 3-exp. (1).	21	33	54	30	2 B. & W...	100	3,100		2,000	5
6 Hawk.....	Vert. 4-exp.....	15	20½	45	24	2 S. E., 1 auxiliary.	57	1,635		900	6
7 Huntress.....	Vert. 3-exp. (1).	11	16½	26	12	1 Seabury ..	35	1,250		250	7
8 Mayflower.....	Vert. 3-exp. (2).	22½	38	40	27	2 Mosher....	181	7,940		2,400	8
9 Scorpion.....	Vert. 3-exp. (2).	15	24	39	21	4 Yarrow....	159	8,384		2,800	9
10 Sylph.....	Vert. 3-exp. (1).	10	16	25	16	2 Almy.....	45	1,588		550	10
11 Sylvia.....	Vert. comp. (1).	17		27	27	2 Roberts...	44	1,770		1,165	11
12 Vixen.....	Vert. 3-exp. (1).	18	27	48	25	2 S. E.....	126	3,508		1,250	12
13 Wasp.....	Vert. 3-exp. (1).	21½	31	34	20	2 S. E., 1 auxiliary.	142	2,584		1,800	13
14 Yankton.....	Vert. 3-exp. (1).	18	29	47	34	1 S. E.....	67	3,000		1,750	14

¹ Estimated.

² Two low-pressure cylinders.

YACHTS—Continued.

Generating sets.					Builders.	Submarine signal sets.	Name.
No.	Kilo-watts.	Volts.	Type.				
1	1 4	80	2-4-750		General Electric Co.....		Alleen..... 1
2	1 25	110			Fort Wayne Electric Co. (Terry turbines).....		Dorothea... 2
3	1 7	125	4-7-550		General Electric Co.....		Eagle..... 3
4	1 5	115 125	4-5-550		Fort Wayne Electric Co.....		Elfrida..... 4
5	1 8	80	6-8-480		General Electric Co.....		Gloucester.. 5
6	1 10	110	6-10-450		Fisher Electric Co.....		Hawk..... 6
7	1 3	80	4-3-250		Riker Electric Co.....		Huntress... 7
8	2 25	125	8-25-3200		Terry-Diehl	(¹)	Mayflower.. 8
9	1 5 1 14	110 110	4-5-380 4-14-325		Lundell Co. (Sturtevant engine).....		Scorpion... 9
10	1 10	125	6-10-450		General Electric Co.....		Sylph..... 10
11	1 3.4	85	4-3.4-580		Lundell Co. (Sturtevant engine).....		Sylvia..... 11
12	1 5.75	125	6-5.75-400		Westinghouse Co.....		Vixen..... 12
13	1 8	125	6-8-550		General Electric Co.....		Wasp..... 13
14	1 5	80	4-5-450		General Electric Co.....		Yankton... 14

¹ One receiving set, type J, manufactured by the Submarine Signal Co.

CONVERTED

Name.	Displacement.	Net tonnage for Suez Canal.	Speed.	Bunker capacity (42 cubic feet to the ton).	Battery.
1 Aileen.....	Tons. 192	Tons.	Knots. 14	Tons. 46	13-pdr. R. F.; 21-pdr. R. F..... 1
2 Dorothea.....	594	.....	1 14	80	43-pdr. R. F.; 21-pdr. R. F..... 2
3 Eagle.....	434	.....	1 12.5	68	26-pdr. R. F..... 3
4 Elfrida.....	164	.....	10.5	24	13-pdr. R. F.; 21-pdr. R. F..... 4
5 Gloucester.....	786	.....	17	123	53-pdr. R. F.; 21-pdr. R. F..... 5
6 Hawk.....	375	.....	14.5	72	13-pdr. R. F.; 21-pdr. R. F..... 6
7 Huntress.....	82	.....	14	17	13-pdr. R. F.; 21-pdr. R. F..... 7
8 Mayflower.....	2,690	.....	14.5	537	66-pdr. R. F..... 8
9 Scorpion.....	775	.....	17.85	136	46-pdr. R. F..... 9
10 Sylph.....	152	.....	15	48	 10
11 Sylvia.....	1 302	.....	9	61	31-pdr. R. F..... 11
12 Vixen.....	806	.....	1 16	195	43-pdr. R. F.; 21-pdr. R. F..... 12
13 Wasp.....	630	.....	1 16.5	81	23-pdr. R. F.; 21-pdr. R. F..... 13
14 Yankton.....	1 975	.....	1 14	174	23-pdr. R. F..... 14
8,957 Total displacement.					

¹ Estimated.² Calculated to bottom of beams.

YACHTS—Concluded.

Complement.		Contract price of hull and machinery. ²	Date of first and latest commission.	Name.
Officers.	Men.			
1 .....	.....	\$55,000	May 14, 1898; Sept. 26, 1898 ¹ ...	Aileen..... 1
2	50	187,500	June 1, 1898; Sept. 20, 1898 ¹ ...	Dorothea..... 2
3 4	65	110,000	Mar. 26, 1898.....	Eagle..... 3
4 .....	.....	50,000	June 30, 1898; Sept. 14, 1898 ¹ ...	Elfrida..... 4
5 9	70	225,000	May 20, 1899; Feb. 8, 1905 ¹ ...	Gloucester..... 5
6 4	38	50,000	Apr. 5, 1898; Sept. 14, 1898 ¹ ...	Hawk..... 6
7 .....	.....	27,500	July 1, 1898; Aug. 31, 1898 ¹ ...	Huntress..... 7
8 8	172	430,000	July 25, 1905.....	Mayflower..... 8
9 7	80	300,000	Apr. 11, 1898; Aug. 1, 1908.....	Scorpion..... 9
10 3	28	50,000	Aug. 18, 1898.....	Sylph..... 10
11 .....	.....	25,000	June 29, 1898; Sept. 16, 1898 ¹ ...	Sylvia..... 11
12 5	74	150,000	Apr. 11, 1898; Mar. 31, 1906 ¹ ...	Vixen..... 12
13 4	32	95,000	Apr. 11, 1898; Oct. 2, 1902 ¹ ...	Wasp..... 13
14 8	78	125,000	May 16, 1898.....	Yankton..... 14

¹ Date of placing out of commission.² Purchase price.³ Includes chief petty officers.

TUGS.

Name and official number.	Built.		Material.	
	Where.	By whom.		
1 <i>Accomac</i> ¹	Newport News, Va.	Newport News Shipbuilding & Dry Dock Co.	Iron	1
2 Active	San Francisco, Cal.	Union Iron Works	Steel	2
3 Apache	Tottenville, N. Y.	A. C. Brown	Wood	3
4 Arapaho (14) ²	Seattle, Wash.	Seattle Construction & Dry Dock Co.	Steel	4
5 Choctaw	Philadelphia, Pa.	Neafie & Levy	Iron	5
6 Fortune	Boston, Mass.	James Tetlow	Iron	6
7 Hercules	Camden, N. J.	J. H. Dialogue & Son	Iron	7
8 Iroquois ¹	San Francisco, Cal.	Union Iron Works	Steel	8
9 Iwana (2)	Boston, Mass.	City Point Iron Works	Steel	9
10 Massasoit	Philadelphia, Pa.	Neafie & Levy	Steel	10
11 Modoc	Camden, N. J.	J. H. Dialogue & Son	Iron	11
12 Mohave (15) ²	Seattle, Wash.	Seattle Construction & Dry Dock Co.	Steel	12
13 Mohawk	Newburgh, N. Y.	T. S. Marvel & Co.	Steel	13
14 Narkeeta (3)	Boston, Mass.	City Point Iron Works	Steel	14
15 Navajo ¹	Philadelphia, Pa.	Neafie & Levy	Steel	15
16 Ontario (13) ^{1,2}	Camden, N. J.	New York Shipbuilding Co.	Steel	16
17 Osceola ¹	Philadelphia, Pa.	Chas. Hillman	Steel	17
18 Patapsco (10) ^{1,2}	Navy yard, Portsmouth, N. H.	United States	Steel	18
19 Patuxent (11) ^{1,2}	Navy yard, Norfolk, Va.	United States	Steel	19
20 Pawnee	Tompkins Cove, N. Y.	Rodermond & Co.	Wood	20
21 Pawtucket (7)	Navy yard, Mare Island, Cal.	United States	Steel	21
22 Penacook (6)	Navy yard, New York, N. Y.	United States	Steel	22
23 Pentucket (3)	Navy yard, Boston, Mass.	United States	Steel	23
24 Peoria	Philadelphia, Pa.	Neafie & Levy	Steel	24

¹ Suitable for sea service.² Has towing machine.

NOTE.—Alice stricken from Naval Register Apr. 23, 1916.

TUGS.

Duty or station Nov. 1, 1916.	Rig.	Dimensions.			Displacement.	Name and official number.	
		Length.	Breadth.	Mean draft.			
1 Navy yard, Boston		¹ 81 5	² 18 10 ¹	8 5	187	Accomac	1
2 Navy yard, Mare Island	Light-signal mast.	¹ 107 0	22 6	10 0	296	Active	2
3 Iona Island	1 mast, 1 derrick.	141 6	29 0	10 0	650	Apache	3
4 Navy yard, Mare Island	1 mast, 1 derrick.	¹ 122 6	² 24 0	12 10	575	Arapaho (14)	4
5 Navy yard, Washington	2 pole masts.	¹ 100 9	21 0	9 5	274	Choctaw	5
6 Naval station, Tutuila	Schooner	¹ 137 0	² 26 0	9 6	450	Fortune	6
7 Navy yard, Norfolk	1 mast	101 6	20 6	9 0	198	Hercules	7
8 Pacific Fleet	Schooner	¹ 152 0	26 0	13 6	702	Iroquois	8
9 Navy yard, Boston		¹ 92 6	20 11 ¹	8 0	192	Iwana (2)	9
10 Navy yard, Norfolk	1 pole mast.	¹ 89 5	19 0	8 6	202	Massasoit	10
11 Navy yard, Philadelphia		¹ 96 9	20 10	9 3	241	Modoc	11
12 Navy yard, Puget Sound	1 mast, 1 derrick.	¹ 122 6	² 24 0	12 10	575	Mohave (15)	12
13 Navy yard, Norfolk		¹ 103 10	24 0	10 9	368	Mohawk	13
14 Navy yard, New York	2 pole masts.	¹ 92 6	20 11 ¹	8 0	192	Narkeeta (3)	14
15 Naval station, Honolulu	2 masts.	¹ 141 4	² 27 6	14 1	800	Navajo	15
16 Tender, Atlantic Fleet	2 pole masts.	¹ 175 0	² 34 0	12 6	1,120	Ontario (13)	16
17 Naval station, Guantanamo.	Schooner	125 5	26 3	14 0	571	Osceola	17
18 Tender, Atlantic Fleet	2 pole masts.	¹ 148 0	29 0 ¹	12 3	755	Patapsco (10)	18
19 Tender, Atlantic Fleet	2 pole masts.	¹ 148 0	29 0 ¹	12 3	755	Patuxent (11)	19
20 Navy yard, New York	1 mast, 1 derrick.	112 0	27 3	7 0	275	Pawnee	20
21 Navy yard, Puget Sound	Schooner	¹ 92 6	21 1	8 9	225	Pawtucket (7)	21
22 Navy yard, Portsmouth		¹ 92 6	21 1	9 0	230	Penacook (6)	22
23 Navy yard, New York	2 pole masts.	¹ 92 6	21 1	9 0	230	Pentucket (8)	23
24 Naval station, Key West	Schooner	131 0	25 0	10 6	487	Peoria	24

¹ Between perpendiculars.² Molded.³ Over all.⁴ Maximum.⁵ On water line.

TUGS—

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
		In.	In.	In.	In.		Sq. ft.	Sq. ft.			Tons.
1 <i>Notaway</i> Accomac.....	Vert. 4-exp. (1).	10	14	18	26	1 S. E....	31	975		320	1
2 Active.....	Vert. comp. (1).	20		38	24	1 S. E....	58½	1,815		600	2
3 Apache.....	Vert. 3-exp. (1).	16	26	40	28	1 S. E....	39	1,397		550	3
4 Arapaho (14)...	Vert. 3-exp. (1).	15	24	38	24	2 S. E....	(*)	2,290	800		4
5 Choctaw.....	Vert. comp. (1).	20		36	26	1 S. E....	72	1,779		550	5
6 Fortune.....	Vert. comp. (1).	18		33½	24	2 S. E....	67	1,766	334	340	6
7 Hercules.....	Vert. 3-exp. (1).	14	22	36	22	1 S. E....	43	1,277		1,350	7
8 Iroquois.....	Vert. 3-exp. (1).	20	30	50	36	2 S. E....	85½	2,817		1,000	8
9 Iwana (2).....	Vert. 3-exp. (1).	12½	20	31	24	1 S. E....	49	1,491		350	9
10 Massasoit.....	Vert. comp. (1).	14½		26	22	1 S. E....	40	1,202		1,150	10
11 Modoc.....	Vert. comp. (1).	15		20	21	1 S. E....	38	1,061		1,175	11
12 Mohave (15)...	Vert. 3-exp. (1).	15	24	38	24	2 S. E....	(*)	2,290	800		12
13 Mohawk.....	Vert. comp. (1).	20		40	24	1 S. E....	62	1,856		400	13
14 Narkeeta (3)...	Vert. 3-exp. (1).	13	20	31½	24	1 S. E....	49	1,491		300	14
15 Navajo.....	Vert. 3-exp. (1).	16½	24	41	30	2 S. E....	92	2,638		935	15
16 Ontario (13)...	Vert. 3-exp. (1).	10½	31½	54½	36	2 Scotch...	158	5,812	1,517		16
17 Osceola.....	Vert. 3-exp. (1).	16	24	40	28	2 S. E....	88	2,568		800	17
18 Patapsco (10)✓	Vert. 3-exp. (2).	11½	18½	32	27	2 S. E....	97	3,078		1,160	18
19 Patuxent (11)✓	Vert. 3-exp. (2).	11½	18½	32	27	2 S. E....	97	3,078		1,160	19
20 Pawnee.....	Vert. comp. (1).	15		27	20	2 hor. tubular.	44	1,944		250	20
21 Pawtucket (7)...	Vert. 3-exp. (1).	13	20	31	30	1 S. E....	48	1,351		500	21
22 Penacook (6)...	Vert. 3-exp. (1).	13	20	31½	24	1 S. E....	48	1,359		450	22
23 Pentucket (8)...	Vert. 3-exp. (1).	13	20	31½	24	1 S. E....	48	1,359		450	23
24 Peoria.....	Vert. comp. (1).	20½		40	27	1 S. E....	65	2,040		1,270	24

¹ Estimated.
² Main engines only.

³ Oil burning.
⁴ Design.

Continued.

Generating sets.						Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.		
1	1	4	120	4-650	B. F. Sturtevant Co.....	Accomac..... 1
2	1	4	125	4-4-600	General Electric Co.....	Active..... 2
3	1	2	80	4-2-720	General Electric Co.....	Apache..... 3
4						Arapaho (14).... 4
5	1	7.5	110	4-7-450	B. F. Sturtevant Co.....	Choctaw..... 5
6	1	7.5	125		B. F. Sturtevant Co.....	Fortune..... 6
7						Hercules..... 7
8	1	5	125	1 4-5-5000	General Electric Co. (Curtis turbine).....	Iroquois..... 8
9	1	2	80	4-2-650	General Electric Co.....	Iwana (2)..... 9
10						Massasoit..... 10
11	1	2	80	4-2-670	General Electric Co.....	Modoc..... 11
12						Mohave (15).... 12
13						Mohawk..... 13
14	1	2.5	110	4-25-800	B. F. Sturtevant Co.....	Narkeeta (3).... 14
15	1	5	110	4-5-400	B. F. Sturtevant Co.....	Navajo..... 15
16	2	10	125		General Electric Co.....	Ontario (13).... 16
17	1	5	110	4-5-450	B. F. Sturtevant Co.....	Osceola..... 17
18	1	8	125	6-8-500	General Electric Co.....	Patapsco (10).... 18
19	1	8	125	6-8-475	B. F. Sturtevant Co.....	Patuxent (11).... 19
20						Pawnee..... 20
21	1	5	110	4-10-1300	Crocker-Wheeler 15-horsepower motor (Sturtevant engine).	Pawtucket (7).... 21
22						Penacook (6).... 22
23	1	5	125	6-5-700	General Electric Co.....	Pentucket (8).... 23
24	1	8	80	4-8-650	General Electric Co.....	Peoria..... 24

¹ Turbo-generating set.

TUGS—

Name and official number.	Net tonnage for Suez Canal.	Net tonnage for United States.	Net tonnage for Panama Canal.	Speed.	Coal capacity (42 cubic feet to the ton).	Guns.	Contract price of hull and machinery.	
<i>Not to way</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Tons.</i>	<i>Knots.</i>	<i>Tons.</i>			
1 Accomac.....				10	34		\$40,000	1
2 Active.....				12	82		75,000	2
3 Apache.....				10	123		54,510	3
4 Arapaho (14).....				10.82	149		(¹)	4
5 Choctaw.....				10	72		82,500	5
6 Fortune.....				10	111		128,000	6
7 Hercules.....				12	41		40,000	7
8 Iroquois.....				13.25	{ (¹) 41,752 }		150,000	8
9 Iwana (2).....				11.50	36		32,438	9
10 Massasoit.....				9	35		30,000	10
11 Modoc.....				10	41		30,000	11
12 Mohave (15).....				11.11	149		(²)	12
13 Mohawk.....				12	33		44,000	13
14 Narkeeta (3).....				11.50	36		32,438	14
15 Navajo.....				12.00	(¹)		115,000	15
16 Ontario (13).....	324	131	178	13.23	445		194,000	16
17 Osceola.....	116.13			14	154		100,000	17
18 Patapsco (10).....				13	324	2 3-pdr	175,000	18
19 Patuxent (11).....				13	324	2 3-pdr	175,000	19
20 Pawnee.....				10	17		25,000	20
21 Pawtucket (7).....				12.2	31		50,000	21
22 Penacook (8).....				12	29		50,000	22
23 Pentucket (8).....				12	29		70,000	23
24 Peoria.....				9	70	4 3-pdr. R. F.	100,000	24

- ¹ Purchase price.
² Tons of oil fuel.
³ Arapaho, Mohave, and Tillamook purchased under requisition at a cost of \$377,000 for the three vessels.
⁴ Oil burners.
⁵ Estimated
⁶ Limit of cost
⁷ Gallons of fuel oil.

Continued.

Date of act authorizing building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Name and official number.	
1 (¹)		1891			Accomac.....	1
2 (¹)		1888			Active.....	2
3 (¹)		1889			Apache.....	3
4	June 30, 1913		June 20, 1914	Aug. 12, 1914	Arapaho (14).....	4
5 (¹)		1892			Choctaw.....	5
6		1865		Sept. 20, 1864	Fortune.....	6
7 (¹)		1888			Hercules.....	7
8 (¹)		1892			Iroquois.....	8
9 Mar. 2, 1889	Dec. 20, 1890	Apr. —, 1891	Mar. 12, 1892	Dec. 20, 1891	Iwana (2).....	9
10 (¹)		1898			Massasoit.....	10
11 (¹)		1890			Modoc.....	11
12	June 30, 1913		July 20, 1914	Aug. 12, 1914	Mohave (15).....	12
13 (¹)		1893			Mohawk.....	13
14 Mar. 2, 1889	Dec. 20, 1890	Apr. —, 1891	Feb. 11, 1892	Dec. 20, 1891	Narkeeta (3).....	14
15 (²)					Navajo.....	15
16 Mar. 4, 1911	July 28, 1911	Nov. 23, 1911	Apr. 11, 1912	Aug. 24, 1912	Ontario (13).....	16
17 (¹)		1896			Osceola.....	17
18 Apr. 27, 1904		May 12, 1907	June 29, 1908		Patapsco (10).....	18
19 Apr. 27, 1904		July 25, 1907	May 16, 1908		Patuxent (11).....	19
20 (¹)		1896			Pawnee.....	20
21 Mar. 3, 1897		July 22, 1898	Nov. 17, 1898		Pawtucket (7).....	21
22 Mar. 3, 1897		Feb. 8, 1898	Oct. 29, 1898		Penacook (8).....	22
23 July 1, 1902		Jan. 29, 1903	July 16, 1903		Pentucket (8).....	23
24 (¹)					Peoria.....	24

¹ Purchased during War with Spain.² Purchased Nov. 21, 1907.

TUGS—

Name and official number.	Built.		Material.	
	Where.	By whom.		
25 Piscataqua ^{1 2}	West Bay City, Mich.	F. W. Wheeler & Co.	Steel	25
26 Pocahontas (18). ^{1 2}	Navy yard, Norfolk	United States.	Steel	26
27 Pontiac.	Athens, N. Y.	Peter McGlehan.	Wood	27
28 Potomac ^{1 2}	West Bay City, Mich.	F. W. Wheeler & Co.	Steel	28
29 Powhatan.	Baltimore, Md.	Maryland Steel Co.	Steel	29
30 Rapido ¹			Wood	30
31 Rocket.	Wilmington, Del.	Pusey & Jones Co.	Steel	31
32 Samoset (5).	Navy yard, Norfolk, Va.	United States.	Steel	32
33 Sebago.	Camden, N. J.	J. H. Dialogue & Son.	Steel	33
34 Sioux.	Philadelphia, Pa.	Neale & Levy.	Iron	34
35 Sonoma (12). ^{1 2}	Camden, N. J.	New York Ship Building Co.	Steel	35
36 Sotoyomo (9).	Navy yard, Mare Island, Cal.	United States.	Steel	36
37 Standish.	Boston, Mass.	James Tetlow.	Iron	37
38 Tecumseh.	Camden, N. J.	J. H. Dialogue & Son.	Steel	38
39 Tillamook (16). ¹	Seattle, Wash.	Seattle Construction & Dry Dock Co.	Steel	39
40 Traffic.	South Brooklyn, N. Y.	D. McCarty.	Wood	40
41 Transfer ⁴	Navy yard, New York.	United States.	Steel	41
42 Triton.	Camden, N. J.	J. H. Dialogue.	Steel	42
43 Unadilla (4).	Navy yard, Mare Island, Cal.	United States.	Steel	43
44 Uncas ¹	Camden, N. J.	J. H. Dialogue.	Steel	44
45 Vigilant.	Philadelphia, Pa.	Wm. Cramp & Son.		45
46 Waban.	Philadelphia, Pa.	Wm. Cramp & Son.	Iron	46
47 Wahneta (1).	Boston, Mass.	City Point Iron Works.	Steel	47
48 Wando (17). ^{1 2}	Navy yard, Charleston	United States.	Steel	48
49 Wompatuck ^{1 2}	Wilmington, Del.	Harlan & Hollingsworth.	Steel	49

¹ Has towing machine.² Suitable for sea service.³ Captured in the Philippines during the Spanish War.⁴ Steam-propelled derrick freight lighter. Taken up on the Navy Register, July 19, 1910, as a tug.

Continued.

Duty or station Nov. 1, 1916.	Rig.	Dimensions.			Displacement.	Name and official number.
		Length.	Breadth.	Mean draft.		
25 Asiatic Fleet.	2 masts.	¹ 149 0	² 28 7	³ 12 0	⁴ 854	Piscataqua..... 25
26 Building, navy yard, Norfolk, 96.5% complete.	2 pole masts.	¹ 123 6½	² 26 7½	³ 11 6	⁴ 575	Pocahontas (18) 26
27 Navy yard, New York.	1 mast, 1 derrick.	124 4	27 0	9 6	401	Pontiac..... 27
28 Naval Station, Guantánamo.	2 pole masts.	¹ 138 9	23 6	12 0	785	Potomac..... 28
29 Navy yard, New York.	2 pole masts.	¹ 101 0	21 0	10 0	194	Powhatan..... 29
30 Naval station, Cavite, P. I.	1 pole mast.	96 0	16 4	7 6	186	Rapido..... 30
31 Navy yard, Norfolk.	Derrick mast.	¹ 93 0	28 0	9 0	206	Rocket..... 31
32 Navy yard, Philadelphia.		¹ 92 6	21 0	8 9	225	Samoset (5)..... 32
33 Navy yard, Charleston.		99 0	21 0	⁵ 8 0	⁶ 243	Sebago..... 33
34 Navy yard, Boston.		¹ 84 6	19 0	8 0	155	Sioux..... 34
35 Tender, Atlantic Fleet.	2 pole masts.	¹ 175 0	² 34 0	12 6	1,120	Sonoma (12)..... 35
36 Navy yard, Puget Sound.	Schooner.	¹ 92 6	21 1	9 0	230	Sotoyomo (9).... 36
37 Naval Academy, Annapolis.	Schooner.	¹ 137 0	² 25 10	9 6	450	Standish..... 37
38 Navy yard, Washington.	2 pole masts.	¹ 100 9	21 9	8 2	221	Tecumseh..... 38
39 Navy yard, Mare Island.	1 mast, 1 derrick.	¹ 122 6	² 24 0	12 10	575	Tillamook (16).... 39
40 Navy yard, New York.	Derrick mast.	¹ 108 0	29 4	9 0	417	Traffic..... 40
41 Navy yard, New York.	Derrick mast.	110 0	30 0	9 10	684	Transfer..... 41
42 Navy yard, Washington.	2 pole masts.	¹ 96 9	20 9	9 0	212	Triton..... 42
43 Navy yard, Mare Island.	Schooner.	¹ 110 0	25 0	9 11	355	Unadilla (4).... 43
44 General service, Atlantic.	Schooner.	119 3	25 0	12 0	441	Uncas..... 44
45 Training station, San Francisco.	Schooner.	¹ 116 0	21 0	9 0	300	Vigilant..... 45
46 Naval Station, Guantánamo.		¹ 85 0	² 17 6½	8 0	150	Waban..... 46
47 Navy yard, Norfolk.		¹ 92 0	20 11½	8 0	192	Wahneta (1).... 47
48 Building, navy yard, Charleston.	2 pole masts.	¹ 123 6½	² 26 7½	11 6	⁴ 575	Wando (17).... 48
49 Asiatic Fleet.	Schooner.	¹ 130 0	25 6	12 0	462	Wompatuck.... 49
Total displacement.					20,758	

¹ Between perpendiculars.² Over all.³ Maximum.⁴ Approximate.⁵ Maximum draft.⁶ Molded.

TUGS—

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
25 Piscataqua...	Vert. 3-exp. (1).	20	32½	55	36	2 S. E.....	120	3,780	.....	2,000	25
26 Pocahontas (18).	Vert. 3-exp. (1).	15	24	38	24	2 S. E. Scotch	(1)	3,617	*800	*800	26
27 Pontiac.....	Vert. comp. (1).	20	.....	40	26	1 Hor. F. B.	57	2,153	.....	425	27
28 Potomac.....	Vert. 3-exp. (1).	20	32½	55	36	2 S. E.....	123½	4,117	.....	2,000	28
29 Powhatan.....	Vert. 3-exp. (1).	12½	20½	34	24	1 S. E.....	45	1,273	.....	397	29
30 Rapido.....	Vert. comp. (1).	16½	.....	32½	18½	1 S. E.....	25	636	.....	*125	30
31 Rocket.....	Vert. comp. (1).	13	.....	26	18	1 S. E.....	40	1,100	.....	450	31
32 Samoset (5)✓	Vert. 3-exp. (1).	13½	20	31½	24	1 S. E.....	48	1,359	.....	450	32
33 Sebago.....	Vert. comp. (2).	13	.....	25	18	1 S. E.....	51	1,372	.....	450	33
34 Sioux.....	Vert. comp. (1).	15	.....	29	22	1 S. E.....	42	1,136	.....	290	34
35 Sonoma (12)...	Vert. 3-exp. (1).	19½	31½	54½	36	2 Scotch.....	158	5,812	*1,596	.....	35
36 Sotoyomo (9).	Vert. 3-exp. (1).	13	20	31½	24	1 S. E.....	48	1,351	.....	506	36
37 Standish.....	Vert. comp. (1).	18	.....	33½	24	2 S. E.....	72	2,124	.....	400	37
38 Tecumseh.....	Vert. comp. (1).	18½	.....	36	24	1 S. E.....	71	1,716	.....	540	38
39 Tillamook (16)	Vert. 3-exp. (1).	15	24	38	24	2 S. E.....	(1)	2,290	*800	.....	39
40 Traffic.....	Vert. 1-exp. (1).	22½	.....	.....	22	1 B. & W....	45	1,149	.....	240	40
41 Transfer.....	Vert. comp. (1).	18	.....	38	26	1 S. E.....	67	1,824	.....	.....	41
42 Triton.....	Vert. 3-exp. (1).	13	21	32	24	1 S. E.....	42	1,156	.....	300	42
43 Unadilla (4)...	Vert. 3-exp. (1).	13	20	31	30	1 S. E.....	66	1,792	.....	500	43
44 Uncas.....	Vert. 3-exp. (1).	16	24	40	28	1 S. E.....	71	2,001	.....	750	44
45 Vigilant.....	Vert. comp. (1).	18	.....	33	28	1 S. E.....	44½	1,449	.....	450	45
46 Waban.....	Vert. comp. (1).	16½	.....	28½	24	1 S. E.....	40	1,592	*300	450	46
47 Wahneta (1)...	Vert. 3-exp. (1).	13	20	31½	24	1 S. E.....	49	1,350	.....	300	47
48 Wando (17)...	Vert. 3-exp. (1).	15	24	38	24	2 S. E.....	(1)	3,617	*800	.....	48
49 Wompatuck...	Vert. 3-exp. (1).	15½	23½	39	28	1 S. E., main.	70.95	2,008	.....	650	49

¹ Oil burning.

² Estimated.

³ Main engines only.

Continued.

Generating sets.						Name and official number.	
No.	Kilo-watts.	Volts.	Type.	Builders.			
25	1	7	110	4-7-550	General Electric Co.....	Piscataqua.....	25
26	2	5	125	A-5 generator W. E.	B. F. Sturtevant.....	Pocahontas (18).....	26
27	1	4	110	6-4-420	Engelberg Electric & Machine Co.....	Pontiac.....	27
28	1	7	110	4-7-550	General Electric Co.....	Potomac.....	28
29	1	2.5	110	4-2.5-800	B. F. Sturtevant Co.....	Powhatan.....	29
30	1	5	110	6-5-500	General Electric Co.....	Rapido.....	30
31						Rocket.....	31
32	1	2.5	80		General Electric Co.....	Samoset (5).....	32
33	1	5	125	4-5-500	General Electric Co.....	Sebago.....	33
34						Sioux.....	34
35	2	10	125	(1)	General Electric Co.....	Sonoma (12).....	35
36	1	5	125	6-5-3600	Terry-Diehl.....	Sotoyomo (9).....	36
37	1	5	125	6-5-650	B. F. Sturtevant Co.....	Standish.....	37
38	1	5	125	6-5-700	General Electric Co.....	Tecumseh.....	38
39						Tillamook (16).....	39
40						Traffic.....	40
41						Transfer.....	41
42	1	8	110	6-8-575	B. F. Sturtevant Co.....	Triton.....	42
43	1	4	80	4-4-600	Westinghouse Co. (Forbes engine).....	Unadilla (4).....	43
44	{ 1 1	{ 2 5	{ 80 80	{ 4-5-500	General Electric Co.....	Uncas.....	44
45	1	5	125	6-5-4000	Terry-Diehl.....	Vigilant.....	45
46						Waban.....	46
47						Wahneta (1).....	47
48						Wando (17).....	48
49	1	5	125	8-5-675	B. F. Sturtevant Co.....	Wompatuck.....	49

¹ Turbo-generating set.

TUGS—

	Name and official number.	Net tonnage for Suez Canal.	Net tonnage for United States.	Net tonnage for Panama Canal.	Speed.	Coal capacity.	Guns.	Contract price of hull and machinery.
					Knots.	Tons.		
25	Piscataqua.....				16	236		\$130,000
26	Pocahontas (18).....					(²)		\$125,000
27	Pontiac.....				10.5	45		\$30,000
28	Potomac.....				16	200		\$125,300
29	Powhatan.....				13	57		\$42,500
30	Rapido.....				10	14		
31	Rocket.....				8	33		29,000
32	Samoset (5).....				12	30		\$25,000
33	Sebago.....				12	30		\$28,000
34	Sloux.....				10	45		\$25,553
35	Sonoma (12).....	324	131	178	13.08	436		194,000
36	Sotoyomo (9).....				11.10	28		\$70,000
37	Standish.....				10	80		84,640
38	Tecumseh.....				11	40		\$45,000
39	Tillamook (16).....				10.55	\$149		(⁶)
40	Traffic.....				10	27		26,400
41	Transfer.....				8			\$133,053
42	Triton.....				13	45		\$35,000
43	Unadilla (4).....				12	(⁸)		\$80,000
44	Uncas.....				12	120		\$75,000
45	Vigilant.....				12	75		\$60,000
46	Waban.....				13	30		\$20,000
47	Wahneta (1).....				11.50	35		32,438
48	Wando (17).....					(²)		\$125,000
49	Wompatuck.....	93			13	130		\$65,000

¹ Purchase price.
² Oil burner.
³ Estimated cost.
⁴ Limit of cost.
⁵ Tons of oil fuel.

⁶ Arapaho, Mohave, and Tillamook purchased under requisition at a cost of \$377,000 for the three vessels.
⁷ Actual cost.
⁸ 7,885 gallons oil fuel.

Concluded.

	Date of act authorizing building.	Contract signed.	Keel laid.	Launched.	Contract date of completion.	Name and official number.
25	(¹)		1897			Piscataqua.....
26	Nov. 21, 1914		Oct. 2, 1915	Apr. 1, 1916		Pocahontas (18)....
27	(¹)		1891			Pontiac.....
28	(¹)		1897			Potomac.....
29	(¹)		1892			Powhatan.....
30	(²)					Rapido.....
31		1899				Rocket.....
32	Mar. 2, 1895		Jan. 13, 1895	Mar. 20, 1897		Samoset (5).....
33			1893			Sebago.....
34	(¹)		1892			Sloux.....
35	Mar. 4, 1911	July 28, 1911	Nov. 7, 1911	May 11, 1912	Aug. 24, 1912	Sonoma (12).....
36	July 1, 1902		Mar. 2, 1903	Aug. 20, 1903		Sotoyomo (9).....
37			1865		Oct. 20, 1864	Standish.....
38	(¹)		1891			Tecumseh.....
39		June 30, 1913		Aug. 15, 1914	Aug. 12, 1914	Tillamook (16)....
40			1891			Traffic.....
41			Aug. 18, 1904	May 24, 1905		Transfer.....
42			1888			Triton.....
43	July 26, 1894		Apr. 29, 1895	Sept. 21, 1895		Unadilla (4).....
44	(¹)		1893			Uncas.....
45	(¹)		1883			Vigilant.....
46	(¹)		1880			Waban.....
47	Mar. 2, 1889	Dec. 20, 1890	Apr. —, 1891	Mar. 3, 1892	Dec. 20, 1891	Wahneta (1).....
48		Dec. 7, 1914	June 14, 1915	Mar. 7, 1916		Wando (17).....
49	(¹)		1896			Wompatuck.....

¹ Purchased during War with Spain.

² Captured in the Philippines during the Spanish War.

SPECIAL

Name and official number.	By whom and where built or building.	Duty or station Nov. 1, 1916.	Ship, fully equipped ready for sea, full stores, ammunition, and coal.			
			Length between perpendiculars. ¹	Breadth on load water line.	Mean draft.	
1 Baltimore (3) ²²	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	<i>Ft. in.</i> 327 6	<i>Ft. in.</i> 48 7½	<i>Ft. in.</i> 19 6	1
2 Hannibal ²⁴	J. Blumer & Co., Sunderland, England.	Special service, surveying.	263 4	39 3	17 7	2
3 Lebanon ²⁴	Wm. Cramp & Sons, Philadelphia, Pa.	Atlantic Fleet.....	249 0	37 4½	17 3	3
4 Leonidas ²⁴	S. P. Austin & Son (Ltd.), Sunderland, England.	Special service, surveying.	263 3	39 2½	17 7	4
5 Prometheus (2). ²⁵	United States navy yard, Mare Island.	Atlantic Fleet.....	450 0	60 1	26 0	5
6 San Francisco-co. ²¹	Union Iron Works, San Francisco, Cal.	Atlantic Fleet.....	310 0	49 2	18 9	6
7 Vestal (1) ²¹	United States navy yard, New York.	Atlantic Fleet.....	450 0	60 0	26 0	7
8 Vesuvius ¹²	Pneumatic Dynamite Gun Co., at Wm. Cramp & Sons, Philadelphia, Pa.	Torpedo station, Newport.	252 4	26 6½	10 7	8
9 Number (1) ⁶			460 0	61 0½	20 11	9
10 Number (2) ⁶						10
11 Number (1) ⁶						11
Total normal displacement.....						

¹ Length on designed L. W. L.² Mine depot ship.³ Purchased during War with Spain.⁴ Surveying ship.⁵ Has towing machine.⁶ Ammunition ship.⁷ Extreme.⁸ Repair ship.⁹ Fitted as a flagship (mine force.)¹⁰ Fitted as a flagship (train flagship).¹¹ Molded.¹² Torpedo practice ship.¹³ Authorized but not appropriated for.

TYPE.

Ship, fully equipped, etc.—Contd.		Length over all.	Full-load displacement.	Speed on trial.	Displacement on trial.	Bunker capacity (42 cubic feet to the ton).	Name and official number.
Displacement (normal).	Tons per inch immersion at normal draft.						
<i>Tons.</i> 4,413	<i>Tons.</i> 25.35	<i>Ft. in.</i> 335 0	<i>Tons.</i> 5,482	<i>Knots.</i> 20.10	<i>Tons.</i> 4,563	<i>Tons.</i> 1,092	Baltimore (3)... 1
4,000	.....	274 1	.....	9.0	.....	491	Hannibal..... 2
3,285	18.50	259 6	.....	10.0	.....	192	Lebanon..... 3
4,023	.....	273 11	.....	8.5	.....	205	Leonidas..... 4
12,585	48.50	465 9	.....	16.0	.....	1,614	Prometheus (2). 5
4,083	25.00	324 6	4,583	19.52	4,067	663	San Francisco.. 6
12,585	48.35	465 9	.....	16.0	.....	1,422	Vestal (1)..... 7
930	10.65	252 4	.....	21.65	793	135	Vesuvius..... 8
10,600	.....	482 9½	.....	16	10,600	.....	Number (1) ⁶ 9
.....	.....	.....	.....	.....	.....	.....	Number (2) ⁶ 10
.....	.....	.....	.....	.....	.....	.....	Number (1) ⁶ 11
58,504	.....	.....	.....	.....	.....	.....	

¹ Loaded.² Estimated.³ Calculated to bottom of beams.⁴ Calculated to 6 inches below bottom of beams.⁵ Ammunition ship.⁶ Repair ship.

SPECIAL

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	I. P.	Stroke.						
1 Baltimore (3)...	Hor. 3-exp. (2)...	In. 42	In. 60	In. 94	In. 42	8 B. & W...	Sq. ft. 626	Sq. ft. 27,455	8,777	8,978	Tons. 1
2 Hannibal.....	Vert. 3-exp. (1)...	20 1/2	33	54	39	2 S. E.....	84	3,972	1,100		2
3 Lebanon.....	Vert. 3-exp. (1)...	19	30	50	30	2 S. E.....	127	3,203	1,000		3
4 Leonidas.....	Vert. 3-exp. (1)...	20 1/2	33	54	39	2 S. E.; 1 auxiliary.	84	3,972	1,100		4
5 Prometheus (2)...	Vert. 3-exp. (2)...	28	44 1/2	75	54	6 B. & W...	493	19,974	17,500	1,125	5
6 San Francisco..	Hor. 3-exp. (2)...	42	60	94	36	8 B. & W....	663	26,706	9,761	9,913	6
7 Vestal (1).....	Vert. 3-exp. (2)...	28	44 1/2	75	54	6 B. & W...	493	19,974	17,500	1,125	7
8 Vesuvius.....	Vert. 3-exp. (2)...	21 1/2	31	34	20	4 Normand..	200	8,204	3,975	4,295	8
9 Number (1) ² ...											9
10 Number (2) ³ ...											10
11 Number (1) ⁴ ...											11

¹ Estimated.
² Two low-pressure cylinders.
³ Ammunition ship.
⁴ Repair ship.

TYPE—Continued.

Generating sets.						Submarine signal sets.	Name and official number.
No.	Kilo-watts.	Volts.	Type.	Builders.			
1	4	24	125	6-24-375	Bullock Electric Co. (Forbes engine)		Baltimore (3).....
2	{	1	10	125	6-10-400	}	Hannibal.....
		1	10	125	4-10-450			B. F. Sturtevant Co.....
3	2	5	80	4-5-500	General Electric Co.....	(1)	Lebanon.....
4	2	10	125	4-5-500	General Electric Co.....	(1)	Leonidas.....
5	{	2	32	125	8-32-400	(4)	Prometheus (2).....
		2	100	125				Terry-Diehl.....
6	4	24	80	6-24-400	General Electric Co.....		San Francisco.....
7	{	2	85	100-175	24-85-2300	(1)	Vestal (1).....
		2	32	125	8-32-400			General Electric Co.....
8	1	10	125	6-10-450	General Electric Co.....		Vesuvius.....
9							Number (1) ³
10							Number (2) ³
11							Number (1) ⁴

¹ One receiving set, type J, manufactured by the Submarine Signal Co.
² Turbo-generators.
³ Ammunition ship.
⁴ Repair ship.

SPECIAL

Name and official number.	Batteries.	
	Guns.	Torpedo tubes.
1 Baltimore (3)...	4 6" 40 cal. R. F.; 4 6-pdr. saluting.....	1
2 Hannibal.....		2
3 Lebanon.....	4 6-pdr	3
4 Leonidas.....		4
5 Prometheus (2)...	4 5" 50 cal. R. F. (not mounted).....	5
6 San Francisco...	8 5" 40 cal. R. F.; 4 6-pdr. saluting.....	6
7 Vestal (1).....	4 5" 50 cal. R. F.....	7
8 Vesuvius.....	1 3-pdr. signaling.....	8 1 18" subm.... 1 21" subm.... 2 18" above water.
9 Number (1) ¹		9
10 Number (2) ¹		10
11 Number (1) ²		11

¹ Ammunition ship.² Repair ship.

TYPE—Continued.

Water-tight deck.		Rig and number of funnels.	Messes (complement).					Name and official number.
Flat.	Slope.		Wardroom officers.	Junior officers.	Warrant officers.	Chief petty officers.	Men.	
Inches.	Inches.							
1		Schooner, 2 funnels....	13	5	7	17	303	Baltimore (3)..... 1
2		Schooner.....	9			10	133	Hannibal..... 2
3		Schooner, 1 funnel.....			4	5	52	Lebanon..... 3
4		Schooner.....	10			11	134	Leonidas..... 4
5		4 pole masts, 1 funnel....	8		8	27	203	Prometheus (2)... 5
6	2	Schooner, 2 funnels....	10		7	16	282	San Francisco.... 6
7		4 pole masts, 1 funnel....	8		8	27	203	Vestal (1)..... 7
8		1 pole, 1 funnel.....	2			3	28	Vesuvius..... 8
9		2 masts, 1 funnel.....						Number (1) ¹ 9
10								Number (2) ¹ 10
11								Number (1) ² 11

¹ Ammunition ship.² Repair ship.

SPECIAL

	Name and official number.	Net tonnage for Suez Canal.	Net tonnage for United States.	Net tonnage for Panama Canal.	Contract price of hull and machinery.	Date of act authorizing the building.	Contract signed.	
1	Baltimore (3)...	¹ 1,708	.....	.....	\$1,325,000	Aug. 3, 1886	Dec. 17, 1886	1
2	Hannibal.....	1,320	1,109	.....	² 147,941	.....	.....	2
3	Lebanon.....	.....	.....	.....	² 225,000	.....	.....	3
4	Leonidas.....	.....	.....	.....	² 147,941	.....	.....	4
5	Prometheus (3).....	4,381	3,713	3,748	³ 1,550,000	Apr. 27, 1904	.....	5
6	San Francisco.....	¹ 1,268	.....	.....	1,428,000	Mar. 3, 1887	Oct. 26, 1887	6
7	Vestal (1).....	4,387	3,714	3,771	³ 1,550,000	Apr. 27, 1904	.....	7
8	Vesuvius.....	.....	.....	.....	350,000	Aug. 3, 1886	Feb. 11, 1887	8
9	Number (1) ⁵.....	.....	.....	.....	.....	Aug. 29, 1916	.....	9
10	Number (2) ⁵ ⁶.....	.....	.....	.....	.....	Aug. 29, 1916	.....	10
11	Number (1) ⁷ ⁶.....	.....	.....	.....	.....	Aug. 29, 1916	.....	11

¹ Subject to possible change.² Purchase price.³ Limit of cost.⁴ Act of Congress approved June 29, 1906.⁵ Ammunition ship.⁶ Authorized but not appropriated for.⁷ Repair ship.

TYPE—Concluded.

	Keel laid.	Launched.	Contract date of completion.	Date of preliminary acceptance.	Date of first and latest commission.	Name and official number.	
1	May 5, 1887	Oct. 6, 1888	June 17, 1888	Dec. 27, 1889	Jan. 7, 1890 Mar. 8, 1915	Baltimore (3).....	1
2	.....	.....	.....	.....	June 7, 1898 Oct. 16, 1911	Hannibal.....	2
3	.....	.....	.....	.....	Apr. 16, 1898 June 15, 1910	Lebanon.....	3
4	.....	.....	.....	.....	May 21, 1898 Apr. 1, 1914	Leonidas.....	4
5	Oct. 18, 1907	Dec. 5, 1908	.....	.....	Jan. 15, 1910 Dec. 23, 1914	Prometheus (2).....	5
6	Aug. 14, 1888	Oct. 26, 1889	Oct. 26, 1889	Oct. 3, 1890	Aug. 21, 1911	San Francisco.....	6
7	Mar. 25, 1907	May 19, 1908	.....	.....	Oct. 4, 1909 Sept. 3, 1913 ¹	Vestal (1).....	7
8	Sept. —, 1887	Apr. 28, 1888	Feb. 11, 1888	.....	June 7, 1890 Feb. 14, 1910	Vesuvius.....	8
9	.....	.....	.....	.....	.....	Number (1) ²	9
10	.....	.....	.....	.....	.....	Number (2) ²	10
11	.....	.....	.....	.....	.....	Number (1) ²	11

¹ Date of placing out of commission.² Ammunition ship.³ Repair ship.

UNSERVICEABLE FOR

Name and official number.	Type of engine.	Cylinder diameter.				Number and type of boilers.	Total grate surface.	Total heating surface.	I. H. P. of propelling machinery and its auxiliaries on trial.	Total maximum I. H. P.	Total weight of machinery.
		H. P.	I. P.	L. P.	Stroke.						
1 Adams.....	Hor. comp. (1)	34 1/2	51 1/2	42	4 S. E.	124	3,172		800		1
2 Boxer.....											2
3 Constellation.....											3
4 Constitution.....											4
5 Cumberland.....											5
6 Essex.....	Vert. 3-exp. (1)	26 1/2	32 1/2	43 1/2	2 B. & W.	108	2,360		1,200		6
7 Gopher.....	Vert. comp. (1)	18	36	30	2 S. E.	66	2,004		467		7
8 Granite State.....											8
9 Hartford.....	Hor. comp. (1)	35	66	48	4 S. E.	186	6,340		2,000	1,290	9
0 Intrepid.....											10
11 Mohican.....					4 S. E.	512	3,287		1,150		11
12 Philadelphia (4).	Hor. 3-exp. (2)	38	58	86	4 D. E.	624	20,457	8,688	8,815	705	12
13 Rainbow.....	Vert. 3-exp. (1)	28	44	72	2 D. E.	246	6,409		1,800		13
14 Reina Mercedes.....					2 S. E.	84	2,948				14
15 Relief.....	Vert. 3-exp. (1)	30	48	75	6 S. E.	448			2,666		15
16 Richmond.....									692		16
17 Southery.....	Vert. 3-exp. (1)	21	35	57 1/2	2 S. E.; 1 auxiliary.	133	2,831				17
18 Topeka.....	(¹)										18
19 Wolverine.....	Inclined simple.		36	96	2 S. E.	91	12,572		1,365		19
20 Yantic.....									310		20

¹ Estimated.² Two low-pressure cylinders.³ New machinery to be installed.

WAR PURPOSES—Concluded.

No.	Kilo-watts.	Volts.	Type.	Builders.	Name and official number.
1					Adams..... 1
2					Boxer..... 2
3					Constellation..... 3
4					Constitution..... 4
5	2	24	125	8-24-400	General Electric Co..... Cumberland..... 5
6	1	15	110	6-15-400	General Electric Co..... Essex..... 6
7	1	15	110	4-15-400	B. F. Sturtevant..... Gopher..... 7
8					Granite State..... 8
9	2	16	80	6-16-450	General Electric Co..... Hartford..... 9
10	2	24	125	8-24-400	General Electric Co..... Intrepid..... 10
11	1	10	125	6-10-450	General Electric Co..... Mohican..... 11
12	1	24	80	4-24-400	Thresher Electric Co. (Shepherd engine)..... Philadelphia (4). 12
13	2	30	125	6-30-305	General Electric Co..... Rainbow..... 13
14				(¹)	Reina Mercedes..... 14
15	2	15	110	4-15-400	General Electric Co..... Relief..... 15
16					Richmond..... 16
17					Southery..... 17
18					Topeka..... 18
19	1	4	110	2-4-440	Burke Electric Co. (Erico engine)..... Wolverine..... 19
20	2	7	125	4-7-600	Bullock Electric Co. (A. B. Co. engine).....
		10	125	6-10-450	B. F. Sturtevant Co..... Yantic..... 20

¹ Uses yard current.

VESSELS ASSIGNED TO

	Name.	Type.	Built.			
			When.	Where.	By whom.	
1	Adams.....	Sailing and steam vessel.	1874-1876	Boston, Mass.....	United States and Donald Mackay.	1
2	Alleen.....	Converted yacht.	1896	Chester, Pa.....	John Roach.....	2
3	Amphitrite....	Double - turret monitor.	1874-1895	Wilmington, Del., and Norfolk, Va.	Harlan & Hollingsworth and United States.	3
4	Chicago.....	Protected cruiser	1883-1889	Chester, Pa.....	John Roach & Sons.....	4
5	Don Juan de Austria.	Gunboat.....	1837	Cartagena, Spain.....		5
6	Dorothea.....	Converted yacht	1897	Philadelphia, Pa.....	Wm. Cramp & Sons.....	6
7	Dupont.....	Torpedo boat...	1896-1897	Bristol, R. I.....	Herreshoff Mfg. Co.....	7
8	Elfrida.....	Converted yacht	1899	Wilmington, Del.....	Harlan & Hollingsworth...	8
9	Essex.....	Steam vessel....	1874-1876	Kittery and Boston...	United States and Donald Mackay.	9
10	Farragut.....	Torpedo boat...	1897-1899	San Francisco, Cal....	Union Iron Works.....	10
11	Foote.....	Torpedo boat...	1895-1897	Baltimore, Md.....	Columbian Iron Works....	11
12	Gloucester....	Converted yacht	1891	Philadelphia, Pa.....	Neafie & Levy.....	12
13	Goldsborough..	Torpedo boat...	1898-1899	Portland, Oreg.....	Wolf & Zwicker.....	13
14	Gopher.....	Steam vessel....	1871	New York, N. Y.....	Delamater & Stack.....	14
15	Granite State..	Sailing vessel....	1818	Kittery, Me.....	United States.....	15
16	Hawk.....	Converted yacht	1891	Paisley, Scotland....	Fleming & Ferguson.....	16
17	Huntress.....	Converted yacht	1895	Nyack-on-Hudson, N. Y.	Chas. L. Seabury & Co....	17
18	Isla de Luzon..	Gunboat.....	1887	Newcastle on Tyne, England.	W. G. Armstrong.....	18
19	Kearsarge.....	Battleship, mixed caliber.	1899	Newport News, Va....	Newport News Shipbuilding Co.	19
20	Kentucky.....	Battleship, mixed caliber.	1899	Newport News, Va....	Newport News Shipbuilding Co.	20
21	Marblehead...	Unprotected cruiser.	1889-1894	Boston, Mass.....	City Point Works.....	21
22	Montgomery...	Cruiser.....	1890-1894	Baltimore, Md.....	Columbian Iron Works....	22
23	Oregon.....	Battleship, mixed caliber.	1896	San Francisco, Cal....	Union Iron Works.....	23
24	Rodgers.....	Torpedo boat...	1895-1898	Baltimore, Md.....	Columbian Iron Works....	24

NAVAL MILITIAS.¹

	Material.	Rig.	Length.	Breadth.	Mean draft.	Displacement.	Name.	
1	Wood.....	Bark.....	<i>Ft. in.</i> 189 0	<i>Ft. in.</i> 35 0	<i>Ft. in.</i> 14 10	<i>Tons.</i> 1,400	Adams.....	1
2	Steel.....	Schooner.....	120 0	20 0	8 0	192	Alleen.....	2
3	Steel.....	1 mil. m.....	259 3	55 4	14 6	3,990	Amphitrite....	3
4	Steel.....	Schooner.....	325 0	48 2½	19 0	4,500	Chicago.....	4
5	Iron.....	Schooner.....	210 0	32 0	12 6	1,130	Don Juan de Austria.	5
6	Steel.....	Schooner.....	182 4	23 5	11 5	594	Dorothea.....	6
7	Steel.....	1 signal pole.....	175 0	17 8½	4 8	165	Dupont.....	7
8	Steel.....	Schooner.....	101 6	18 0½	7 9	164	Elfrida.....	8
9	Wood.....	Bark.....	185 0	35 0	14 3	1,375	Essex.....	9
10	Steel.....	1 signal pole.....	213 6	20 8	6 0	279	Farragut.....	10
11	Steel.....	1 signal pole.....	160 0	16 1	5 0	142	Foote.....	11
12	Steel.....	Schooner.....	204 0	27 2	12 0	786	Gloucester....	12
13	Steel.....	1 signal pole.....	198 0	20 7	6 10	255	Goldsborough..	13
14	Wood.....	Schooner.....	160 0	28 0	11 0	840	Gopher.....	14
15	Wood.....	Housed over.....	196 3	53 0	25 6	4,150	Granite State..	15
16	Steel.....	1 mast.....	145 0	22 0	11 6	375	Hawk.....	16
17	Composite...	Schooner.....	97 0	16 0	7 3	82	Huntress.....	17
18	Steel.....	Schooner.....	192 10	30 1½	11 6	1,030	Isla de Luzon...	18
19	Steel.....	2 cage masts, 2 funnels.....	368 0	72 2½	23 6	11,520	Kearsarge.....	19
20	Steel.....	2 cage masts, 2 funnels.....	368 0	72 2½	23 6	11,520	Kentucky.....	20
21	Steel.....	Schooner.....	257 0	37 0	14 6	2,072	Marblehead....	21
22	Steel.....	Schooner.....	257 0	37 0	14 6	2,072	Montgomery...	22
23	Steel.....	1 military mast, 1 cage mast, 2 funnels.	348 0	69 3	24 0	10,288	Oregon.....	23
24	Steel.....	1 signal pole.....	160 0	16 1	5 0	142	Rodgers.....	24

¹ Special tables. Vessels grouped according to type in foregoing tables.

VESSELS ASSIGNED TO

	Name.	Speed.	Bunk- er ca- pacity, 42 cubic feet to ton.	Batteries.	
1	Adams.....	<i>Knots.</i> 9.80	<i>Tons.</i> 141	4 4" 40 cal. R. F.....	1
2	Alleen.....	14.00	45	1 3-pdr. R. F.; 2 1-pdr. R. F.....	2
3	Amphitrite.....	10.50	271	4 10" 30 cal. B. L. R.; 2 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....	3
4	Chicago.....	18.00	850	12 4" 40 cal. R. F.; 9 3-pdr. R. F.; 2 1-pdr. R. F.....	4
5	Don Juan de Austria.....	12.20	204	6 3-pdr. R. F.; 2 1-pdr. R. F.....	5
6	Dorothea.....	14.00	78	4 3-pdr. R. F.; 2 1-pdr. R. F.....	6
7	Dupont.....	28.58	76	3 1-pdr. R. F.....	7
8	Elfrida.....	10.50	23	1 3-pdr. R. F.; 2 1-pdr. R. F.....	8
9	Essex.....	10.50	155	6 3-pdr. R. F.....	9
10	Farragut.....	30.13	95	4 3-pdr. R. F.....	10
11	Foots.....	24.53	44	3 1-pdr. R. F.....	11
12	Gloucester.....	17.00	120	5 3-pdr. R. F.; 2 1-pdr. R. F.....	12
13	Goldsborough..	27.40	89	4 3-pdr. R. F.....	13
14	Gopher.....	9.00	80	3 3-pdr. R. F.; 4 1-pdr. R. F.....	14
15	Granite State..			1 4" 40 cal. R. F.; 2 3-pdr. R. F.....	15
16	Hawk.....	14.50	70	1 3-pdr. R. F.; 2 1-pdr. R. F.....	16
17	Huntress.....	14.00	17	1 3-pdr. R. F.; 2 1-pdr. R. F.....	17
18	Isla de Luzon..	11.23	159	4 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....	18
19	Kearsarge.....	16.82	1,679	4 13" 35 cal. B. L. R.; 4 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	19
20	Kentucky.....	16.90	1,658	4 13" 35 cal. B. L. R.; 4 8" 35 cal. B. L. R.; 18 5" 40 cal. R. F.; 4 6-pdr. saluting.	20
21	Marblehead....	18.44	346	8 4" 40 cal. R. F.; 4 3-pdr. R. F.....	21
22	Montgomery...	19.06	285	4 4" 40 cal. R. F.; 2 3-pdr. R. F.; 2 1-pdr. R. F.....	22
23	Oregon.....	16.79	1,460	4 13" 35 cal. B. L. R.; 8 8" 35 cal. B. L. R.; 12 3" 50 cal. R. F.; 4 6-pdr. saluting.	23
24	Rodgers.....	24.49	44	3 1-pdr. R. F.....	24

¹ Estimated.² Four 8" in superposed turrets.

NAVAL MILITIAS—Continued.

	Where assigned.	Status of loan.	When assigned.	Name.	
1	New Jersey.....	Outright loan.....	May 7, 1914.....	Adams.....	1
2	Rhode Island.....	Outright loan.....	June 15, 1910.....	Alleen.....	2
3	Connecticut.....	Reserve commis- sion.	Sept. 2, 1915.....	Amphitrite.....	3
4	Pennsylvania.....	Reduced comple- ment.	Jan. 19, 1916.....	Chicago.....	4
5	Michigan.....	Outright loan.....	July 3, 1907.....	Don Juan de Austria.....	5
6	Ohio.....	Outright loan.....	July 14, 1909.....	Dorothea.....	6
7	Massachusetts.....	Outright loan.....	June 10, 1914.....	Dupont.....	7
8	North Carolina.....	Outright loan.....	July 26, 1909.....	Elfrida.....	8
9	Ohio.....	Outright loan.....	May 9, 1904.....	Essex.....	9
10	California.....	Reserve commis- sion.	May 6, 1915.....	Farragut.....	10
11	North Carolina.....	Outright loan.....	July 1, 1911.....	Foots.....	11
12	New York.....	Outright loan.....	Sept. 3, 1909.....	Gloucester.....	12
13	Washington.....	Outright loan.....	June 6, 1914.....	Goldsborough..	13
14	Minnesota.....	Outright loan.....	May 25, 1905.....	Gopher.....	14
15	New York.....	Outright loan.....	Jan. 23, 1893.....	Granite State..	15
16	New York.....	Outright loan.....	Aug. 28, 1909.....	Hawk.....	16
17	Missouri.....	Outright loan.....	July 17, 1907.....	Huntress.....	17
18	Illinois.....	Outright loan.....	Aug. 4, 1914.....	Isla de Luzon..	18
19	Massachusetts.....	Reduced comple- ment.	Dec. 3, 1915.....	Kearsarge.....	19
20	New York.....	Reduced comple- ment.	Jan. 22, 1916.....	Kentucky.....	20
21	Oregon.....	Reserve commis- sion.	Feb. 4, 1916.....	Marblehead....	21
22	Maryland.....	Reserve commis- sion.	Dec. 17, 1913.....	Montgomery...	22
23	California.....	Reduced comple- ment.	Feb. 7, 1916.....	Oregon.....	23
24	Massachusetts.....	Outright loan.....	May 14, 1910.....	Rodgers.....	24

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VESSELS ASSIGNED TO

Name.	Type.	Built.		
		When.	Where.	By whom.
25 Sandoval.....	Gunboat.....		Clydebank, Scotland..	Clydebank Engineering & Shipbuilding Co.
26 Somers.....	Torpedo boat.....		Elbing, Germany.....	Schichan Works.....
27 Sylvia.....	Converted yacht	1882	Glasgow, Scotland....	A. Stephen & Sons.....
28 Vicksburg.....	Gunboat.....	1896-1897	Bath, Me.....	Bath Iron Works.....
29 Vixen.....	Converted yacht	1896	Elizabethport, N. J....	Lewis Nixon.....
30 Wasp.....	Converted yacht	1898	Philadelphia, Pa.....	Wm. Cramp & Sons.....
31 Wolverine.....	Steam vessel....	1842-1844	Erie, Pa.....	Stackhouse & Tomlinson, Pittsburgh, Pa.
32 Yantic.....	Steam vessel....	1864	Philadelphia, Pa.....	United States.....

NAVAL MILITIAS—Continued.

Material.	Rig.	Length.	Breadth.	Mean draft.	Displacement.	Name.
25 Steel.....	Schooner.....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 15 6	<i>Ft. in.</i> 5 4	<i>Tons.</i> 100	Sandoval.....
26 Steel.....	1 signal pole.....	149 4	17 6	5 10	150	Somers.....
27 Iron.....	Schooner.....	130 0	18 6	10 0	302	Sylvia.....
28 Steel.....	Barkentine.....	168 0	36 0	12 0	1,010	Vicksburg.....
29 Steel.....	Schooner.....	182 3	28 0	12 8	806	Vixen.....
30 Steel.....	Schooner.....	180 0	23 0	12 0	630	Wasp.....
31 Iron.....	Schooner.....	164 11	27 0	9 0	685	Wolverine.....
32 Wood.....	Bark.....	180 0	30 0	12 2	900	Yantic.....

VESSELS ASSIGNED TO

	Name.	Speed.	Bunk- er ca- pacity, 48 cubic feet to ton.	Batteries.	
		<i>Knots.</i>	<i>Tons.</i>		
25	Sandoval.....	18.00	16	2 3-pdr. R. F.; 2 1-pdr. R. F.....	25
26	Somers.....	15.00	37	3 1-pdr. R. F.....	26
27	Sylvia.....	9.00	60	3 1-pdr. R. F.....	27
28	Vicksburg.....	12.71	243	6 4" 40 cal. R. F.; 4 3-pdr. R. F.; 2 1-pdr. R. F.....	28
29	Vixen.....	16.00	190	4 3-pdr. R. F.; 2 1-pdr. R. F.....	29
30	Wasp.....	16.50	79	2 3-pdr. R. F.; 2 1-pdr. R. F.....	30
31	Wolverine.....	10.50	115	6 3-pdr. R. F.....	31
32	Yantic.....	8.30	130	4 3-pdr. R. F.; 2 1-pdr. R. F.....	32

1 Estimated.

NAVAL MILITIAS—Concluded.

	Where assigned.	Status of loan.	When assigned.	Name.	
25	New York.....	Outright loan.....	Dec. 7, 1906.....	Sandoval.....	25
26	Illinois.....	Outright loan.....	Oct. 13, 1914.....	Somers.....	26
27	District of Columbia.....	Outright loan.....	Sept. 13, 1913.....	Sylvia.....	27
28	Washington.....	Reserve commis- sion.	Sept. 14, 1914.....	Vicksburg.....	28
29	New Jersey.....	Outright loan.....	June 10, 1913.....	Vixen.....	29
30	New York.....	Outright loan.....	Feb. 6, 1908.....	Wasp.....	30
31	Pennsylvania.....	Outright loan.....	July 18, 1911.....	Wolverine.....	31
32	Michigan.....	Outright loan.....	July 2, 1897.....	Yantic.....	32

SHIPS STRICKEN FROM NAVY REGISTER.

[Since previous edition of Ships' Data.]

Ship.	Date.	Appraised value.	Selling price.	To whom sold.
Alice.....	Apr. 28, 1916	\$2,500	\$4,600.00	Fields S. Pendleton.
Callao.....	Apr. 17, 1916			
Fox.....	Aug. 31, 1916	500	3,111.00	Nieder & Marcus.
MacKenzie.....	Mar. 10, 1916			
Severn.....	Oct. 12, 1916			

COAL BARGES.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1 ¹	215 3	33 2	Guantanamo.....	Baltimore, Md., purchased 1898.	Steel.
23 ²	105 0	31 6	Guantanamo.....	Navy yard, Pensacola, Fla., 1901.	Wood, sheathed, with house.
24 ³	105 0	31 6	Guantanamo.....	Navy yard, Pensacola, Fla., 1901.	Wood, sheathed, with house.
30 ⁴	69 0	18 6	Cavite.....	El Varadero de Manila, Cavite, P. I., 1901.	Steel, with wood house.
31.....	48 0	16 0	Polloc.....	El Varadero de Manila, Cavite, P. I., 1901.	Steel, with wood house.
49.....	86 2	29 2	Boston.....	Bangor, Me., 1902.....	Wood, sheathed.
50.....	86 2	29 2	Boston.....	Bangor, Me., 1902.....	Wood, sheathed.
51.....	86 2	29 2	Boston.....	Bangor, Me., 1902.....	Wood, sheathed.
52.....	86 2	29 2	Boston.....	Bangor, Me., 1902.....	Wood, sheathed.
55.....	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1902.	Wood, sheathed, with house.
57 ⁵	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1902.	Wood, sheathed, with house.
66 ⁶	86 2	29 2	Guantanamo.....	Navy yard, Norfolk, Va., 1902...	Wood, sheathed, with house.
67.....	86 2	29 2	Annapolis.....	Navy yard, Norfolk, Va., 1902...	Wood, sheathed.
70.....	86 2	29 2	Mare Island.....	Navy yard, Mare Island, Cal., 1902.	Wood, sheathed.
71.....	86 2	29 2	Mare Island.....	Navy yard, Mare Island, Cal., 1902.	Wood, sheathed.
72.....	86 2	29 2	Mare Island.....	Navy yard, Mare Island, Cal., 1902.	Wood, sheathed.
73.....	86 2	29 2	Mare Island.....	Navy yard, Mare Island, Cal., 1902.	Wood, sheathed, with house.
83.....	86 2	29 2	Philadelphia.....	Navy yard, Philadelphia, Pa., 1903.	Wood, sheathed.
87.....	86 2	29 2	Key West.....	Navy yard, Pensacola, Fla., 1903.	Wood, sheathed.
90.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
91.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
92.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
93.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
94.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
95.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
97.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
99.....	86 2	29 2	Narragansett Bay.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
100.....	86 2	22 2	Boston.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.

¹ Assigned to Cape Cruz Casilda survey expedition.² Fitted for dredging.³ Fitted for coal handling.⁴ Turned over to Marine Corps.⁵ Fitted with cargo derrick.⁶ Fitted with quarters for Cape Cruz Casilda survey expedition.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
101.....	Ft. in. 86 2	Ft. in. 29 2	Boston.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
102.....	86 2	29 2	Boston.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
103.....	86 2	29 2	Annapolis.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
104.....	86 2	29 2	Boston.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
105.....	86 2	29 2	Boston.....	Navy yard, Boston, Mass., 1903..	Wood, sheathed, with flash-boards.
111.....	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1904.	Wood, sheathed, with flash-boards.
112.....	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1904.	Wood, sheathed, with flash-boards.
113.....	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1904.	Wood, sheathed, with flash-boards.
114.....	86 2	29 2	Key West.....	Navy yard, Pensacola, Fla., 1904.	Wood, sheathed, with flash-boards.
116.....	45 0	20 0	Guam.....	Navy yard, Mare Island, Cal., 1905.	Wood, sheathed, with flash-boards.
117.....	45 0	20 0	Guam.....	Navy yard, Mare Island, Cal., 1905.	Wood, sheathed, with flash-boards.
118.....	110 0	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1905...	Wood, sheathed, with flash-boards.
120.....	110 0	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1905...	Wood, sheathed, with flash-boards.
122.....	86 2	29 2	Guantanamo.....	Navy yard, Pensacola, Fla., 1904.	Wood, sheathed, with house.
124.....	86 2	29 2	Annapolis.....	Navy yard, Norfolk, Va., 1905...	Wood, sheathed, with flash-boards.
125.....	110 0	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1905...	Wood, sheathed, with flash-boards.
127.....	110 0	30 0	Narragansett Bay.....	Navy yard, New York, 1905.....	Wood, sheathed, with flash-boards.
128.....	110 0	30 0	Narragansett Bay.....	Navy yard, New York, 1905.....	Wood, sheathed, with flash-boards.
129.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
130.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
131.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
132.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
135.....	110 0	30 0	Philadelphia.....	Navy yard, Norfolk, Va., 1907...	Wood, sheathed, with flash-boards.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
136.....	Ft. in. 110 0	Ft. in. 30 0	Philadelphia.....	Navy yard, Norfolk, Va., 1907...	Wood, sheathed, with flash-boards.
137.....	110 0	30 0	Charleston.....	Navy yard, Norfolk, Va., 1907...	Wood, sheathed, with flash-boards.
140.....	60 0	20 0	Pichilique Bay.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
141.....	60 0	20 0	Pichilique Bay.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
142.....	60 0	20 0	Pichilique Bay.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
143.....	60 0	20 0	Pichilique Bay.....	Navy yard, Mare Island, Cal., 1907.	Wood, sheathed, with flash-boards.
144.....	110 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed, with flash-boards.
145.....	110 0	30 0	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed, with flash-boards.
146.....	110 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed, with flash-boards.
147.....	110 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed, with flash-boards.
151.....	110 0	30 0	Key West.....	Navy yard, Norfolk, Va., 1908...	Wood, sheathed, with flash-boards.
152.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
153.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
154.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
156.....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1907..	Wood, sheathed, with flash-boards.
157.....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1907..	Wood, sheathed, with flash-boards.
158.....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1907..	Wood, sheathed, with flash-boards.
159.....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1907...	Wood, sheathed, with flash-boards.
160.....	110 0	30 0	Narragansett Bay.....	Navy yard, New York, 1907....	Wood, sheathed, with flash-boards.
161.....	110 0	30 0	Narragansett Bay.....	Navy yard, New York, 1907.....	Wood, sheathed, with flash-boards.
162.....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
163.....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
165.....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
186....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
188....	110 0	30 0	Narragansett Bay....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
189....	110 0	30 0	Charleston.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
170....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
171....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
172....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
173....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
174....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
175....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
176....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
177....	110 0	30 0	Olongapo.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
178....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
179....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
180....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
181....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
182....	110 0	30 0	Olongapo.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
183....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
184....	110 0	30 0	Cavite.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
185....	110 0	30 0	Olongapo.....	Navy yard, New York, 1908.....	Wood, sheathed, with flash-boards.
186....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
187....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
188....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
189....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
190....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
191....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
192....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
193....	110 0	30 0	Puget Sound.....	Navy yard, Puget Sound, 1908..	Wood, sheathed, with flash-boards.
198....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
199....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
200....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
201....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
202....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
203....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
204....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
205....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
206....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
207....	110 0	30 0	Guantanamo.....	Navy yard, Philadelphia, Pa., 1908.	Wood, sheathed, with flash-boards.
209....	110 0	30 0	Key West.....	Navy yard, Norfolk, Va., 1908..	Wood, sheathed, with flash-boards.
211....	110 0	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1908..	Wood, sheathed, with flash-boards.
213....	110 0	30 0	Charleston.....	Navy yard, Norfolk, Va., 1908..	Wood, sheathed, with flash-boards.
217....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
218....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
219....	110 0	30 0	San Diego.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
220....	110 0	30 0	San Diego.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.

* Fitted for dredging.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
221....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
222....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
223....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
224....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
225....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
226....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood, sheathed, with flash-boards.
227....	60 0	20 0	Narragansett Bay.....	Navy yard, Boston, Mass., 1908.	Wood, sheathed, with flash-boards.
229....	60 0	20 0	Narragansett Bay.....	Navy yard, Boston, Mass., 1908.	Wood, sheathed, with flash-boards.
230....	60 0	20 0	Boston.....	Navy yard, Boston, Mass., 1908.	Wood, sheathed, with flash-boards.
231....	110 0	30 0	San Diego.....	Navy yard, Mare Island, Cal., 1909.	Wood, sheathed, with flash-boards.
232....	110 0	30 0	Key West.....	Navy yard, Pensacola, Fla., 1909.	Wood, sheathed, with flash-boards.
233....	110 0	30 0	Guantanamo.....	Navy yard, Pensacola, Fla., 1909.	Wood, sheathed, with flash-boards.
234....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1909.	Wood, sheathed, with flash-boards.
235....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1909.	Wood, sheathed, with flash-boards.
236....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1909.	Wood, sheathed, with flash-boards.
238....	110 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1910.	Wood, sheathed, with flash-boards.
239....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
240....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
241....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
242....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
243....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
244....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed, with flash-boards.
245....	110 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1915.	Wood, sheathed, with flash-boards.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
246....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1915.	Wood, sheathed, with flash-boards.
249....	110 0	30 0	Portsmouth.....	Navy yard, Portsmouth, N. H., 1912.	Wood, sheathed, with flash-boards.
250....	110 0	30 0	Portsmouth.....	Navy yard, Portsmouth, N. H., 1910.	Wood, sheathed, with flash-boards.
251....	110 0	30 0	Hawaii.....	Inter Island Steam Nav. Co. (Ltd.), 1911.	Wood, sheathed, with flash-boards.
252....	110 0	30 0	Hawaii.....	Inter Island Steam Nav. Co. (Ltd.), 1911.	Wood, sheathed, with flash-boards.
253....	110 0	30 0	Hawaii.....	Inter Island Steam Nav. Co. (Ltd.), 1911.	Wood, sheathed, with flash-boards.
254....	110 0	30 0	Hawaii.....	Inter Island Steam Nav. Co. (Ltd.), 1911.	Wood, sheathed, with flash-boards.
255....	110 0	34 0	Philadelphia.....	Maryland Steel Co., Sparrow Point, Md., 1911.	Steel, with flash-boards.
256....	110 0	34 0	Philadelphia.....	Maryland Steel Co., Sparrow Point, Md., 1911.	Steel, with flash-boards.
257....	110 0	34 0	Philadelphia.....	Maryland Steel Co., Sparrow Point, Md., 1911.	Steel, with flash-boards.
258....	110 0	34 0	Philadelphia.....	Maryland Steel Co., Sparrow Point, Md., 1911.	Steel, with flash-boards.
261....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
262....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
263....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
264....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
265....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
266....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
267....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1912.	Steel, with flash-boards.
268....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
269....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
270....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
271....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
272....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
273....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
274....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
275....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
276....	110 0	34 0	Norfolk.....	Wm. Cramp & Sons S. & E. B. Co., 1913.	Steel, with flash-boards.
277....	110 0	34 0	San Diego.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
278....	110 0	34 0	Fuget Sound.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.

COAL BARGES—Continued.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
279....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 34 0	Puget Sound.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
280....	110 0	34 0	San Diego.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
281....	110 0	34 0	Puget Sound.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
282....	110 0	34 0	Puget Sound.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
283....	110 0	34 0	Mare Island.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
284....	110 0	34 0	Mare Island.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
285....	110 0	34 0	San Diego.....	Seattle Construction Co., Seattle, Wash.	Steel, with flash-boards.
286....	110 0	34 0	Boston.....	Navy yard, Portsmouth, N. H. 1914.	Steel, with flash-boards.
287....	110 0	34 0	Boston.....	Navy yard, Portsmouth, N. H. 1914.	Steel, with flash-boards.
288....	110 0	34 0	Boston.....	Navy yard, Boston, Mass., 1914.	Steel, with flash-boards.
289....	110 0	34 0	Boston.....	Navy yard, Boston, Mass., 1914.	Steel, with flash-boards.
290....	110 0	34 0	Norfolk.....	Navy yard, Philadelphia, Pa., 1914.	Steel, with flash-boards.
291....	110 0	34 0	Norfolk.....	Navy yard, Philadelphia, Pa., 1914.	Steel, with flash-boards.
292....	110 0	34 0	Norfolk.....	Navy yard, Philadelphia, Pa., 1914.	Steel, with flash-boards.
293....	110 0	34 0	Norfolk.....	Navy yard, Philadelphia, Pa., 1914.	Steel, with flash-boards.
294....	110 0	34 0	Key West.....	Navy yard, Charleston, S. C., 1914.	Steel, with flash-boards.
295....	110 0	34 0	Key West.....	Navy yard, Charleston, S. C., 1914.	Steel, with flash-boards.
296....	110 0	34 0	Hawaii.....	Navy yard, Mare Island, Cal., 1914.	Steel, with flash-boards.
297....	110 0	34 0	San Diego.....	Navy yard, Mare Island, Cal., 1914.	Steel, with flash-boards.
298....	110 0	34 0	Boston.....	Navy yard, New York, N. Y., 1914.	Steel, with flash-boards.
299....	110 0	34 0	Boston.....	Navy yard, New York, N. Y., 1914.	Steel, with flash-boards.
300....	110 0	34 0	Norfolk.....	Navy yard, Norfolk, Va., 1915.	Steel, with flash-boards.
301....	110 0	34 0	Guantanamo.....	Navy yard, Norfolk, Va., 1914.	Steel, with flash-boards.
302....	110 0	34 0	Pensacola.....	Navy yard, Norfolk, Va., 1915.	Steel, with flash-boards.
303....	110 0	34 0	Guantanamo.....	Navy yard, Norfolk, Va., 1915.	Steel, with flash-boards.
304....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1915.	Steel, with flash-boards.
305....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1915.	Steel, with flash-boards.
306....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1915.	Steel, with flash-boards.
307....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1915.	Steel, with flash-boards.
308....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
309....	110 0	34 0	Mare Island.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
310....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.

COAL BARGES—Concluded.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
311....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
312....	110 0	34 0	San Diego.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
313....	110 0	34 0	San Diego.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
314....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
315....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
316....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
317....	110 0	34 0	Mare Island.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
318....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
319....	110 0	34 0	Tiburon.....	Navy yard, Mare Island, Cal., 1915.	Steel, with flash-boards.
320....	60 0	20 0	New Orleans.....	Naval station, New Orleans, 1915.	Wood, with flash-boards.
321....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Steel, with flash-boards.
322....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Steel, with flash-boards.
323....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Steel, with flash-boards.
324....	110 0	34 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Steel, with flash-boards.
325....	50 0	10 0	.....	Building, navy yard, New Orleans.	Wood.

ASH LIGHTERS.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
6.....	<i>Ft. in.</i> 35 5	<i>Ft. in.</i> 10 5	Guantanamo.....	San Juan, P. R., purchased 1901.	Wood, sheathed.
9.....	47 2	20 2	Pensacola.....	Pensacola, Fla., 1899.....	Wood, sheathed.
13.....	50 0	20 0	Narragansett Bay.....	Navy yard, Boston, Mass., 1905..	Wood, sheathed.
14.....	50 0	20 0	Boston.....	Navy yard, Boston, Mass., 1905..	Wood, sheathed.
16.....	50 0	20 0	Annapolis.....	Navy yard, Norfolk, Va., 1906...	Wood, sheathed.
21.....	60 0	20 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed.
22.....	36 0	15 9	Annapolis.....	Navy yard, Norfolk, Va., 1908...	Wood, sheathed.
23.....	50 0	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood.
24.....	50 0	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1908.	Wood.
25.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1909.	Wood, sheathed.
26.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1909.	Wood, sheathed.
27.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1909.	Wood, sheathed.
28.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1909.	Wood, sheathed.
29.....	50 0	20 0	Charleston.....	Navy yard, Charleston, S. C., 1910.	Wood, sheathed.
31.....	50 0	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood.
32.....	50 0	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood.
33.....	36 0	15 0	Norfolk.....	Navy yard, Norfolk, Va., 1910...	Wood, sheathed.
35.....	50 0	15 0	Puget Sound.....	Navy yard, Puget Sound, 1907...	Wood.
36.....	50 0	15 0	Puget Sound.....	Navy yard, Puget Sound, 1907...	Wood.
37.....	60 0	20 0	Cavite.....	Naval station, Cavite, P. I., 1910.	Wood, sheathed.
38.....	50 0	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood.
39.....	32 0	10 0	Mare Island.....	Navy yard, Mare Island, Cal., 1898.	Wood.
40.....	36 0	15 0	Philadelphia.....	Navy yard, Philadelphia, Pa., 1912.	Wood.
41.....	36 0	15 0	Philadelphia.....	Navy yard, Philadelphia, Pa., 1912.	Wood.
42.....	50 0	15 0	San Diego.....	Navy yard, Mare Island, Cal., 1913.	Wood.
43.....	112 0	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1915...	Steel, self-propelled.
45.....	36 0	15 0	Annapolis.....	Navy yard, Norfolk, Va., 1915...	Wood, sheathed.
46.....	50 0	20 0	San Diego.....	Freight Lighter No. 26, converted; San Diego, 1916.	Wood.

WATER BARGES.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1.....	<i>Ft. in.</i> 125 0	<i>Ft. in.</i> 30 4	Guantanamo.....	New York, N. Y., purchased 1898.	Steel.
4.....	144 0	23 0	Norfolk.....	Elizabethport, N. J., 1898.....	Steel.
5.....	144 0	23 0	Boston.....	Elizabethport, N. J., 1898.....	Steel.
9.....	82 0	22 2 1/2	Port Royal.....	Port Royal, S. C., 1898.....	Steel.
10.....	142 3	22 6	Puget Sound.....	Navy yard, Puget Sound, Wash., 1905.	Steel.
11.....	92 0	17 0	Narragansett Bay.....	Navy yard, New York, N. Y., 1904.	Steel.
12.....	120 0	23 6	Norfolk.....	Navy yard, Norfolk, Va., 1904...	Steel.
13.....	92 0	17 0	Guantanamo.....	Navy yard, Pensacola, Fla., 1904.	Steel.
14.....	80 0	30 0	Guantanamo.....	Pusey & Jones, Wilmington, Del., 1905.	Steel.
15.....	91 0	17 0	Hawaii.....	Navy yard, Mare Island, Cal., 1905.	Steel.
16.....	120 0	23 6	Mare Island.....	Navy yard, Mare Island, Cal., 1905.	Steel, self-propelled.
17.....	154 0	22 8	Guantanamo.....	Navy yard, Portsmouth, N. H., 1908.	Steel, self-propelled.
18.....	92 0	30 0	Guantanamo.....	Navy yard, New York, N. Y., 1907.	Steel, self-propelled.
19.....	92 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1907.	Steel, self-propelled.
20.....	92 0	30 0	Guantanamo.....	Navy yard, New York, N. Y., 1907.	Steel, self-propelled.
21.....	50 0	25 0	Annapolis.....	Navy yard, Norfolk, Va., 1899...	Steel, 5-ton derrick.
22.....	112 0	30 0	Boston.....	Navy yard, New York, N. Y., 1910.	Steel, self-propelled.
23.....	161 0	25 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1915.	Steel.
24.....	48 0	14 8	Olongapo.....	Converted from Coal Barge No. 77, 1913.	Steel.
25.....	120 0	23 6	Mare Island.....	Navy yard, Mare Island, Cal., 1915.	Steel, self-propelled.

AMMUNITION LIGHTERS.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1.....	61 0	21 0	Mare Island.....	Navy yard, Mare Island, Cal., 1899.	Steel.
2.....	61 0	21 0	Mare Island.....	Navy yard, Mare Island, Cal., 1899.	Steel.
3.....	61 0	21 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1901.	Steel.
4.....	61 0	21 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1901.	Steel.
6.....	100 7½	30 1½	Washington.....	Navy yard, Norfolk, Va., 1902.	Steel.
7.....	90 0	24 0	Olongapo.....	Naval station, Cavite, P. I., 1902.	Steel, with mast and steam hoisting gear.
8.....	110 0	28 0	Olongapo.....	Naval station, Cavite, P. I., 1907.	Steel, self-propelled.
9.....	100 7½	30 1½	Washington.....	Navy yard, Norfolk, Va., 1904.	Steel.
10.....	86 2	29 2	Philadelphia.....	Navy yard, Philadelphia, Pa., 1904.	Wood, with deck house.
11.....	122 0	30 0	New York.....	Navy yard, New York, N. Y., 1905.	Steel, with mast and steam hoisting gear.
12.....	100 7½	30 1½	Washington.....	Navy yard, Norfolk, Va., 1907.	Steel.
13.....	128 0½	31 6½	Washington.....	Fore River Shipbuilding Co., Quincy, Mass., 1909.	Steel.
14.....	100 6	30 0	Washington.....	Ash Lighter No. 18, converted; navy yard, Norfolk, Va., 1909.	Steel.
15.....	90 0	28 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1910.	Wood, sheathed, with corrugated iron house.
16.....	90 0	28 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1910.	Wood, sheathed, with corrugated iron house.
17.....	80 0	21 0	Naval magazine, Hingham, Mass.	Navy yard, Boston, Mass., 1910.	Wood, sheathed.
18.....	86 2	29 2	New York.....	Navy yard, New York, N. Y., 1901.	Wood.
19.....	86 2	29 2	New York.....	Navy yard, New York, N. Y., 1901.	Wood, steam hoisting gear in small house.
20.....	86 2	29 2	New York.....	Navy yard, New York, N. Y., 1903.	Wood.
23.....	107 0	31 9	Naval magazine, Hingham, Mass.	Navy yard, Boston, Mass., 1911.	Wood.
24.....	128 0½	30 0	Washington.....	Newport News Shipbuilding & Dry Dock Co., 1912.	Steel.
25.....	110 0	30 0	Norfolk.....	Coal Barge No. 208, converted; Norfolk, 1913.	Wood, sheathed.

FREIGHT LIGHTERS.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1.....	83 0	30 6	New York.....	Purchased Perth Amboy, N. J., 1898.	Wood, covered.
2.....	80 0	28 0	New York.....	Navy yard, New York, 1898.	Steel.
4.....	62 9	18 9	Cavite.....	Captured with naval station, Cavite, P. I., 1898.	Wood, coppered; converted from casco No. 7, 1907.
5.....	85 9	18 0	Cavite.....	Captured with naval station, Cavite, P. I., 1898.	Wood, coppered; converted from casco No. 16, 1907.
6.....	80 5	18 0	Cavite.....	Naval station, Cavite, P. I., 1899.	Wood, coppered; converted from casco No. 22.
7.....	96 0	32 0	New York.....	Navy yard, New York, 1901.	Wood.
8.....	86 2	29 4	Norfolk.....	Navy yard, Norfolk, Va., 1902.	Wood, with deck house.
9.....	40 5	20 3	Philadelphia.....	Navy yard, Philadelphia, Pa., 1902.	Wood, with deck house.
10.....	50 0	30 0	Annapolis.....	Navy yard, Norfolk, Va., 1903.	Wood, sheathed.
12.....	86 2	29 2	Torpedo station, Newport, R. I.	Navy yard, New York, N. Y., 1904.	Wood, with deck house.
13.....	45 0	20 0	Midway Islands.....	Navy yard, Mare Island, Cal., 1905.	Wood, sheathed.
14.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1906.	Wood, sheathed.
15.....	40 0	20 0	Guantanamo.....	Naval station, Guantanamo, Cuba, 1906.	Wood, sheathed.
17.....	101 7	25 5	Cavite.....	Hongkong, 1906.	Wood, sheathed, with house (lorcha).
21.....	60 0	20 0	Cavite.....	Naval station, Cavite, P. I., 1907.	Wood, sheathed.
23.....	60 0	19 0	Alaska.....	Navy yard, Puget Sound, Wash., 1908.	Wood, sheathed.
24.....	60 0	20 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed.
27.....	49 2	20 0	Guam.....	Naval station, Island of Guam, 1910.	Wood.
28.....	110 0	30 0	Cavite.....	Naval station, Cavite, P. I., 1910.	Wood, coppered; 10-ton steam derrick.
29.....	60 2	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed; sampan lighter.
30.....	60 2	15 0	Mare Island.....	Navy yard, Mare Island, Cal., 1910.	Wood, sheathed; sampan lighter.
31.....	36 6	15 6	Annapolis.....	Navy yard, Norfolk, Va., 1911.	Wood, galvanized sheet steel sheathing.
32.....	36 6	15 6	Annapolis.....	Navy yard, Norfolk, Va., 1911.	Wood, galvanized sheet steel sheathing.
34.....	50 0	20 0	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed; converted from ash lighter No. 20.
35.....	60 0	20 0	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
36.....	50 0	20 0	Olongapo.....	J. G. White & Co.	Wood, coppered.
37.....	50 0	20 0	Olongapo.....	Naval station, Cavite, P. I.	Wood, coppered.
38.....	101 7	25 5	Cavite.....	Hongkong, 1906.	Wood, sheathed, with house (lorcha).
41.....	110 0	30 0	Torpedo station, Newport, R. I.	Converted from Coal Barge No. 121, navy yard, New York, N. Y., 1913.	Wood, sheathed.
42.....	45 0	20 0	Guam.....		Wood, sheathed.
43.....	45 0	20 0	Guam.....		Wood, sheathed.

FREIGHT LIGHTERS—Concluded.

Registered No.	Length	Breadth.	Present location.	Where and when built or purchased.	Remarks.
44.....	<i>Ft. in.</i> 90 0	<i>Ft. in.</i> 31 6	Indian Head.....	Ammunition Lighter No. 21, converted, 1913.	Steel.
45.....	90 0	28 0	Puget Sound.....	Navy yard, Puget Sound, 1914.	Wood, sheathed.
46.....	90 0	28 0	Puget Sound.....	Navy yard, Puget Sound, 1914.	Wood, sheathed.
47.....	90 0	28 0	Puget Sound.....	Navy yard, Puget Sound, 1914.	Wood, sheathed.
48.....	110 0	30 0	Norfolk.....	Coal Barge No. 119, converted, Norfolk, Va., 1913.	Wood, sheathed.
49.....	115 0	25 0	Torpedo station, Newport, R. I.	Navy yard, Portsmouth, N. H., 1916.	Composite.
50.....	36 0	12 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Wood.
51.....	36 0	12 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Wood.
52.....	60 0	19 0	Puget Sound.....	Navy yard, Puget Sound, 1915.	Wood.
53.....	110 0	30 0	Norfolk.....	Coal Barge No. 210, converted Norfolk, 1915.	Wood, sheathed.
54.....	112 0	30 0	Norfolk.....	Ash Lighter No. 44 converted, Norfolk, 1916.	Steel, self-propelled.
55.....	30 0	14 0	Norfolk.....	Ferryboat, St. Helena, converted, Norfolk, 1916.	Wood.

FLOATING DERRICKS.

1.....	66 6	60 8	Boston.....	Pontoon built by Wm. Cramp & Sons, Philadelphia, Pa., 1836.	Steel, revolving pontoon, 75 tons capacity.
2.....	57 5	22 1	Boston.....	Navy yard, Boston, Mass., 1892.	Wood, 5-ton derrick scow.
3.....	95 6	33 0	New York.....	Purchased from Merritt & Chapman Wrecking Co., New York, N. Y., 1898.	Wood, 20-ton steam derrick.
5.....	62 1½	36 0	Philadelphia.....	Navy yard, Philadelphia, Pa., 1900.	Wood, 20-ton steam derrick.
7.....	67 11½	30 0	Norfolk.....	Navy yard, Norfolk, Va., 1903.	Steel, 10-ton steam revolving derrick.
8.....	132 0	44 0	Norfolk.....	Snare & Triest Co., New York, N. Y., 1903.	Wood, 120 tons.
9.....	63 6	35 0	Portsmouth.....	Snare & Triest Co., Kennebunk, Me., 1903.	Wood, sheathed, 20 tons.
10.....	61 3	31 4	Annapolis.....	Navy yard, Norfolk, Va., 1897.	Wood, sheathed, 15 tons.
11.....	100 0	70 0	New York.....	Pontoon built by Wm. Cramp & Sons, Philadelphia, Pa.; hoisting arm and machinery by Brown Hoisting Machinery Co., Cleveland, Ohio, 1903.	Steel, cantilever pontoon crane, 100 tons.
12.....	55 0	26 0	Annapolis.....	Navy yard, Norfolk, Va., 1903.	Wood, sheathed
13.....	70 0	40 0	Boston.....	1904.....	Wood, 20-ton.
14.....	45 0	19 0	Torpedo station, Newport, R. I.	Harreshoff Manufacturing Co., 1904.	Wood, 5-ton capacity.
15.....	45 3	14 3	Cavite.....	Naval station, Cavite, P. I., 1906.	Wood, sheathed, shear float, 8 tons.
16.....	80 0	40 0	Olongapo.....	Naval station, Olongapo, P. I., 1908.	Wood, sheathed 20 tons.
17.....	69 7	31 5	Key West.....	Navy yard, Pensacola, Fla., 1908.	Derrick barge.

FLOATING DERRICKS—Concluded.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
18.....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 30 0	Key West.....	Navy yard, Pensacola, Fla., 1908.	Wood, sheathed, with flashboards.
19.....	45 0	18 0	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, sheathed, shear float.
20.....	86 2	29 2	Torpedo station, Newport, R. I.	Navy yard, Boston, Mass., 1904.	Wood, sheathed, with house; converted coal barge No. 96.
21.....	125 0	70 0	Boston.....	Navy yard, Boston, Mass., 1913.	Steel, capacity 150 tons.
23.....	68 0	30 0	Boston.....	Converted, navy yard, Boston, from floating workshop No. 1, 1912.	Steel, capacity 10 tons.
24.....	80 0	25 0	Charleston.....	Coal Barge, No. 259 converted, Charleston, 1915.	Wood, sheathed.
25.....	125 0	70 0	Pearl Harbor.....	Navy yard, Boston, 1913.....	Steel, capacity 150 tons.
26.....	140 0	85 0	.....	Pontoon and crane to be assembled at Norfolk Navy Yard.	Steel, capacity 150 tons.
27.....	110 0	30 0	Mare Island.....	Coal Barge No. 237, converted, Mare Island, 1915.	Wood, sheathed.
28.....	60 0	40 0	Pensacola.....	Navy yard, Charleston, S. C., 1916.	Steel, self-propelled for wrecking aeroplanes.

FLOATING WORKSHOPS.

1.....	68 0	30 0	Boston.....	Navy yard, Boston, Mass., 1904.	Steel, 10-ton steam floating revolving derrick.
2.....	113 7	37 7	Guantanamo.....	Navy yard, New York, N. Y., 1905.	Steel, 10-ton steam floating revolving derrick.
4.....	60 0	12 0	San Diego.....	Navy yard, Mare Island, Cal., 1909.	Wood, with wooden house; for submarines.
5.....	110 0	30 0	Mare Island.....	Converted from Coal Barge No. 164, Mare Island, 1915.	Wood, sheathed.

PILE DRIVERS.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1....	<i>Ft. in.</i> 70 0	<i>Ft. in.</i> 24 0	New York.....	T. A. Crane & Sons, New York, N. Y., 1898.	Wood; 3,000 pound hammer.
2....	75 0	28 0	Puget Sound.....	Navy yard, Puget Sound, Wash., 1901.	Wood, sheathed; 3,000-pound hammer.
4....	80 0	28 0	Mare Island.....	Navy yard, Mare Island, Cal., 1904.	Steel, with wood house; converted derrick.
5....	50 0	20 0	Boston.....	Navy yard, Boston, Mass., 1904.	Wood, sheathed.
10....	55 0	27 0	Philadelphia.....	Navy yard, Philadelphia, Pa., date unknown.	Wood.
11....	51 0	24 0	Norfolk.....	Unknown.....	Wood.
12....	45 5	20 5	Norfolk.....	Unknown.....	Wood.
13....	54 0	20 0	Guantanamo.....	Snare & Triest Co., naval station, Guantanamo, Cuba, date unknown.	Wood, sheathed.
14....	50 5	24 4	Norfolk.....	Navy yard, Norfolk, Va., 1911.	Wood, sheathed.
15....	65 3	26 0	Hawaii.....	John A. Hughes, Honolulu, 1913.	Wood, sheathed.

DREDGES.

2....	70 6	34 6	Mare Island.....	Navy yard, Mare Island, Cal., 1905.	Wood.
3....	30 0	15 0	San Juan.....	Naval station, Culebra, P. R., 1907.	Wood, sheathed.
4....	50 6	22 9	Olongapo.....	Naval station, Olongapo, P. I., 1908.	Wood, coppered.
5....	60 0	20 0	Guam.....	Coal Barge No. 133 converted, Guam, 1909.	Wood, sheathed.

MUD SCOWS.

1....	30 0	12 0	Olongapo.....	Naval station, Olongapo, P. I. ...	Wood, coppered.
2....	30 0	12 0	Olongapo.....	Bought from J. G. White & Co., Olongapo.	Wood, sheathed.
3....	76 0	24 0	Pensacola.....	Naval station, Pensacola, Fla., 1905.	Wood, coppered.
4....	50 0	20 0	Olongapo.....	Bought from J. G. White & Co., Olongapo.	Wood, sheathed.
5....	76 0	24 0	Pensacola.....	Naval station, Pensacola, Fla., 1905.	Wood, coppered.
6....	50 0	20 0	Olongapo.....	Naval station, Olongapo, P. I., 1908.	Wood, coppered.
8....	100 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1909.	Wood.
9....	100 0	30 0	Mare Island.....	Navy yard, Mare Island, Cal., 1909.	Wood.

GARBAGE LIGHTERS.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1....	<i>Ft. in.</i> 110 0	<i>Ft. in.</i> 29 0	New York.....	Unknown, 1899.....	Wood.
2....	110 0	29 0	New York.....	Navy yard, New York, N. Y., 1903.	Wood.
5....	110 0	29 8	Boston.....	Navy yard, Boston, Mass., 1905.	Wood, self-dumping.
6....	62 0	20 8	Puget Sound.....	Navy yard, Puget Sound, Wash., 1909.	Wood, self-dumping.
7....	62 0	20 8	Puget Sound.....	Navy yard, Puget Sound, Wash., 1909.	Wood, self-dumping.

YARD TUGS.

Number or name	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
Alida.....	<i>Ft. in.</i> 76 0	<i>Ft. in.</i> 18 0	Melville Station.....	Pusey & Jones Co., Wilmington, Del., 1905.	Steel.
Balanga.....	69 0	13 0	Cavite.....	Captured with navy yard, 1898.	Composite, coppered.
Banaag.....	96 0	16 0	Olongapo.....	Hongkong Whompoo Dock Co., 1910.	Composite, coppered.
Barcelo.....	69 10	12 8	Cavite.....	Captured with navy yard, 1898.	Composite, coppered.
Christine.....	86 6	13 0	Cavite.....	Hongkong Whompoo Dock Co., 1902.	Composite, coppered.
Iona.....	53 6	10 3	Cavite.....	Captured with navy yard, 1898.	Composite, coppered.
Magdalen, working launch No. 687.	65 0	12 5	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Mercedes.....	53 6	9 2	Olongapo.....	Captured with navy yard, 1898.	Wood, coppered.
Rivera, working launch No. 685.	65 0	12 5	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Urdaneta.....	69 3	12 7	Olongapo.....	Sold to Navy by Army	Iron; condemned for sea service.
Working launch No. 681.	65 0	12 5	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Working launch No. 682.	65 0	13 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Working launch No. 683.	65 0	12 5	Olongapo.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Working launch No. 684.	65 0	13 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.
Working launch No. 686.	65 0	13 0	Cavite.....	Naval station, Cavite, P. I., 1908.	Wood, coppered.

FERRY BOATS.

Admiral Glass.	85 0	19 6	Mare Island.....	Navy yard, Mare Island, 1916.	Wood, sheathed.
Inca.....	100 0	28 0	Training station, Newport.	Herreshoff Manufacturing Co., Bristol, R. I., 1911.	Steel.
Ripple.....	80 0	24	Torpedo station, Newport.	Herreshoff Manufacturing Co., 1907.	Steel.
Wave.....	105 0	30 0	Torpedo station, Newport.	Navy yard, Charleston, 1916.	Steel.

FERRY LAUNCHES.

Number or name.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
Breaker.....	<i>Ft. in.</i> 50 0	<i>Ft. in.</i> 10 0	Second naval district, Newport, R. I.	Navy yard, Portsmouth, N. H., 1901.	Wood.
Castro.....	75 4	18 3½	Training station, Xerba Buena.	Navy yard, Mare Island, 1904.	Steel.
Courier.....	56 8	13 0	Charleston	Navy yard, Norfolk, Va., 1897.	Wood.
Daisy.....	64 6	14 9	Norfolk	Navy yard, Norfolk, Va., 1885.	Wood, sheathed.
Dart.....	71 10	16 7	Mare Island	Navy yard, Mare Island, 1900.	Steel.
Despatch.....	66 6	13 6	Training station, Newport.	Navy yard, Portsmouth, N. H., 1902.	Wood.
Gwin.....	99 6	12 6	Torpedo station, Newport.	Herreshoff Mfg. Co., Bristol, R. I.	Steel.
Indian.....	60 9	11 0	Indianhead	Navy yard, Norfolk, Va., 1906.	Wood.
Kite.....	77 0	20 0	Charleston	Navy yard, Portsmouth, N. H., 1906.	Composite.
Manley.....	60 8	9 5	Annapolis	Yarrow	Steel.
Navy Yard....	80 0	17 0½	Norfolk	Navy yard, Norfolk, Va., 1901.	Composite.
Panay.....	94 10	17 3	Cavite	Cavite	Steel.
Pinafore.....	45 0	12 3	Mare Island	Navy yard, Mare Island, 1902.	Wood, sheathed.
No. 132.....	64 6	16 0	Portsmouth	Navy yard, Portsmouth, N. H., 1892.	Wood, sheathed.
No. 1048.....	77 1½	19 6	Portsmouth	Navy yard, Portsmouth, N. H., 1910.	Composite.
Talbot.....	99 6	12 6	Indianhead	Herreshoff Manufacturing Co., Bristol, R. I.	Steel.
Wanka.....	48 0	9 6	New Orleans	Unknown	Wood.

FUEL-OIL BARGES.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
1.....	<i>Ft. in.</i> 87 0	<i>Ft. in.</i> 27 0	Puget Sound	Navy yard, Puget Sound, 1909.	Steel.
2.....	165 9	25 0	Guantanamo	Maryland Steel Co., 1912.	Steel, self-propelled.
3.....	165 9	25 0	Narragansett Bay	Maryland Steel Co., 1912.	Steel, self-propelled.
4.....	161 0	25 0	Puget Sound	Navy yard, Puget Sound, 1912.	Steel.
5.....	165 4	25 0	New York	Newport News, S. B. & D. D. Co., 1913.	Steel, self-propelled.
6.....	165 9	25 0	Norfolk	Newport News, S. B. & D. D. Co., 1913.	Steel, self-propelled.
7.....	165 9	25 0	Norfolk	Navy yard, Norfolk, 1915.	Steel, self-propelled.
8.....	166 4	25 0	Mare Island	Navy yard, Mare Island, 1915.	Steel, self-propelled.
9.....	166 4	25 0	Mare Island	Navy yard, Mare Island, 1915.	Steel, self-propelled.
10.....	170 0	33 0	Key West	Water Barge No. 2, converted, Pensacola, 1915.	Steel.
11.....	108	22 0	Norfolk	Coal Barge No. 69, navy yard, Norfolk, 1916.	Steel.
12.....		23 4½	Norfolk	Coal Barge No. 74, navy yard, Norfolk, 1916.	Steel.

FUEL-OIL BARGES—Concluded.

Registered No.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
13.....	<i>Ft. in.</i> 108 0	<i>Ft. in.</i> 23 4½	Portsmouth	Coal Barge No. 79, navy yard, Portsmouth, N. H., 1915.	Steel.
14.....	108 0	23 4½	Portsmouth	Coal Barge No. 80, navy yard, Portsmouth, N. H., 1915.	Steel.
15.....	108 0	23 4½	New York	Coal Barge No. 81, navy yard, New York, 1915.	Steel.
16.....	108 0	23 4½	New York	Coal Barge No. 82, navy yard, New York, 1915.	Steel.
17.....	108 0	23 4½	New York	Coal Barge No. 83, navy yard, New York, 1915.	Steel.
18.....	108 0	23 4½	New York	Coal Barge No. 89, navy yard, New York, 1915.	Steel.

MISCELLANEOUS CRAFT.

Number or name.	Length.	Breadth.	Present location.	Where and when built or purchased.	Remarks.
No. 1059.....	<i>Ft. in.</i> 60 0	<i>Ft. in.</i> 10 0	New York	New York, 1911	Wood; commandant's barge.
Vidette.....	56 0	9 4	Norfolk	Cowes, Isle of Wight, England.	Wood, sheathed; commandant's barge.
Leslie.....	75 0	18 0	Mare Island	Navy yard, Mare Island, Cal., 1902.	Wood, sheathed; fire boat.
Robert Center.	66 0	12 4½	Annapolis	Lawley & Son	Wood, sloop.
Argo.....	57 0	16 3	Annapolis	Essex, Mass., 1892	Wood, yawl.
Anchor hoy...	24 0	10 4	Key West	Key West, Fla., 1898	Wood, sheathed.
Anchor hoy No. 2.	81 0	30 0	New York	Navy yard, New York, N. Y., 1904.	Wood, with deck-house over hoisting machinery.
Float.....	51 0	31 0	Annapolis		Wood, sheathed.
Power float No. 23.	81 0	18 2	Olongapo	Naval station, Cavite, P. I., 1906.	Wood, sheathed.
Power float No. 24.	60 0	20 0	Olongapo	Naval station, Cavite, P. I., 1908.	Wood, sheathed.
Farm scow No. 3.	50 0	20 0	Annapolis	Navy yard, Norfolk, 1911.	Wood, sheathed.
Sand scow...	30 10	18 9	Annapolis	Unknown	Wood, sheathed.
Heating scow No. 1.	55 4	13 6	New York	Navy yard, New York, 1905.	Steel.
Heating scow No. 2.	55 4	13 7½	New York	Navy yard, New York, 1910.	Steel.
Heating scow No. 3.	55 4	13 6	New York	Navy yard, New York, 1893	Steel.
Torpedo testing barge No. 1	127 0	48 0	Newport	Staten Island S. B. Co., 1912.	Steel hull, wood house.
Torpedo testing barge No. 2.	134 7	49 3	Building, navy yard, Boston.	For torpedo station, Newport.	Steel hull, wood house.

CRAFT LOANED TO NAVAL MILITIA.

Nahma.....	72 0	12 0	Louisiana Naval Militia.	New Orleans, La., 1902	Wood, motor boat.
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LOCATION OF ALL YARD CRAFT.

Portsmouth, N. H.

250-ton coal barges Nos. 249, 250.
 Floating derrick No. 9.
 Ferry launches Nos. 132 and 1048.
 Fuel-oil barges Nos. 13 and 14.

Boston, Mass.

250-ton coal barges Nos. 49, 50, 51, 52, 100, 101, 102, 104, 105, 230. 500-ton coal barges
 Nos. 286, 287, 288, 289, 298, and 299.
 Ash lighter No. 14.
 Water barges Nos. 5 and 22.
 Floating derricks Nos. 1, 2, 13, 21, and 23.
 Floating workshop No. 1.
 Pile driver No. 5.
 Garbage lighter No. 5.
 Torpedo testing barge No. 2.

Hingham, Mass.

Ammunition lighters Nos. 17 and 23.

Narragansett Bay.

250-ton coal barges Nos. 90, 91, 92, 93, 94, 95, 97, 99, 127, 128, 160, 161, 168, 227, and
 229.
 Ash lighter No. 13.
 Water barge No. 11.
 Freight lighters Nos. 12, 41, and 49.
 Floating derricks Nos. 14 and 20.
 Ferryboats Wave, Inca, and Ripple.
 Ferry launches Breaker, Despatch, and Gwin.
 Fuel-oil barge No. 3.
 Torpedo testing barge No. 1.
 Yard tug Alida.

New York, N. Y.

Ammunition lighters Nos. 11, 18, 19, and 20.
 Freight lighters Nos. 1, 2, and 7.
 Floating derricks Nos. 3 and 11.
 Pile driver No. 1.
 Garbage lighters Nos. 1 and 2.
 Fuel-oil barges Nos. 5, 15, 16, 17, and 18.
 No. 1059, anchor hoy No. 2, and heating scows Nos. 1, 2, and 3.

Philadelphia, Pa.

250-ton coal barges Nos. 83, 135, 136. 500-ton coal barges Nos. 255, 256, 257, and 258.
 Ash lighters Nos. 40 and 41.
 Ammunition lighter No. 10.
 Freight lighter No. 9.
 Floating derrick No. 5.
 Pile driver No. 10.

Annapolis, Md.

250-ton coal barges Nos. 67, 103, and 124.
 Freight lighters Nos. 10, 31, and 32.
 Floating derricks Nos. 10 and 12.
 Water barge No. 21.
 Ash lighters Nos. 16, 22, and 45.
 Robert Center, Manley, Argo, float, farm scow No. 3, and sand scow.

Washington, D. C.

Ammunition lighters Nos. 6, 9, 12, 13, 14, and 24.

Indianhead, Md.

Ferry launches Indian and Talbot.
 Freight lighter No. 44.

Norfolk, Va.

250-ton coal barges Nos. 118, 120, 125, 211. 500-ton coal barges Nos. 261, 262, 263, 264,
 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 286, 287, 290, 291, 292, 293,
 and 300.
 Ash lighters Nos. 33 and 43.
 Water barges Nos. 4 and 12.
 Ammunition lighter No. 25.
 Freight lighters Nos. 8, 48, 53, 54, and 55.
 Floating derricks Nos. 7, 8, and 26.
 Pile drivers Nos. 11, 12, and 14.
 Ferry launches Daisy and Navy Yard.
 Fuel-oil barges Nos. 6, 7, 11, and 12.
 Vidette.

Charleston, S. C.

250-ton coal barges Nos. 137, 169, and 213.
 Ash lighter No. 29.
 Ferry launches, Courier and Kite.
 Floating derrick No. 24.

Port Royal, S. C.

Water barge No. 9.

Key West, Fla.

250-ton coal barges Nos. 87, 114, 151, 209, 232. 500-ton coal barges Nos. 294 and 295.
 Floating derricks Nos. 17 and 18.
 Anchor hoy No. 2.
 Fuel-oil barge No. 10.

Dry Tortugas.

Anchor hoy.

Pensacola, Fla.

500-ton coal barge No. 302.
 Ash lighter No. 9.
 Mud scows Nos. 3 and 5.
 Floating derrick No. 28.

New Orleans.

Coal barges Nos. 320 and 325.
Ferry launch Wanka.

Louisiana Naval Militia.

Nahma.

Guantanamo, Cuba.

250-ton coal barges Nos. 55, 57, 66, 111, 112, 113, 122, 162, 163, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, and 233. 500-ton coal barges Nos. 301 and 303. Odd size coal barges Nos. 1, 23, and 24.
Ash lighters Nos. 6, 25, 26, 27, and 28.
Water barges Nos. 1, 13, 14, 17, 18, and 20.
Freight lighters Nos. 14 and 15.
Floating workshop No. 2.
Pile driver No. 13.
Fuel-oil barge No. 2.

San Juan, P. R.

Dredge No. 3.

Mare Island, Cal.

250-ton coal barges Nos. 70, 71, 72, 73, 129, 130, 131, 132, 152, 153, 154, 165, 166, 186, 187, 188, 189, 217, 218, 221, 222, 223, 224, 225, 226, 234, 235, 236, 239, 240, 241, 242, 243, 244, 245, 246. 500-ton coal barges Nos. 283, 284, 309, and 317.
Ash lighters Nos. 23, 24, 31, 32, 38, and 39.
Water barges Nos. 16 and 25.
Ammunition lighters Nos. 1 and 2.
Freight lighters Nos. 29 and 30.
Floating derrick No. 27.
Floating workshop No. 5.
Pile driver No. 4.
Dredge No. 2.
Mud scows Nos. 8 and 9.
Ferry launches Dart and Pinafore.
Fuel-oil barges 8 and 9.
Fire boat Leslie.
Ferryboat Admiral Glass.

Yerba Buena, Cal.

Ferry launch Castro.

Tiburon, Cal.

500-ton coal barges Nos. 303, 307, 308, 310, 311, 314, 315, 316, 318, and 319.

San Diego, Cal.

250-ton coal barges Nos. 219, 220, 231. 500-ton coal barges Nos. 277, 280, 285, 297, 312, and 313.
Ash lighter No. 42.
Freight lighter No. 26.
Floating workshop No. 4.

Pichilique Bay.

250-ton coal barges Nos. 140, 141, 142, and 143.

Puget Sound, Wash.

250-ton coal barges Nos. 156, 157, 158, 159, 170, 171, 172, 173, 190, 191, 192, 193.
500-ton coal barges Nos. 278, 279, 281, 282, 304, 305, 306, 307, 321, 322, 323, and 324.
Ash lighters Nos. 35 and 36.
Water barges Nos. 10 and 23.
Ammunition lighters Nos. 3, 4, 15, and 16.
Freight lighters Nos. 45, 46, 47, 50, 51, and 52.
Pile driver No. 2.
Garbage lighters Nos. 6 and 7.
Fuel-oil barges Nos. 1 and 4.

Honolulu and Pearl Harbor, Hawaii.

250-ton coal barges Nos. 251, 252, 253, 254. 500-ton coal barge No. 296.
Water barge No. 15.
Pile driver No. 16.
Floating derrick No. 25.

Guam.

250-ton coal barges Nos. 116 and 117.
Freight lighters Nos. 27, 42, and 43.
Dredge No. 5.

Olongapo, P. I.

250-ton coal barges Nos. 145, 177, 182, and 185.
Water barge No. 24.
Ammunition lighters Nos. 7 and 8.
Freight lighters Nos. 34, 35, 36, and 37.
Floating derricks Nos. 16 and 19.
Pile driver No. 16.
Dredge No. 4.
Mud scows Nos. 1, 2, 4, and 6.
Yard tugs—Banaag, Magdalen, Riveria, Urdaneta, Mercedes.
Working launches Nos. 681 and 683.
Power floats Nos. 23 and 24.

Cavite, P. I.

250-ton coal barges Nos. 144, 146, 147, 175, 176, 178, 179, 180, 181, 183, 184, and 238. Small coal barge No. 30.
Ash lighters Nos. 21 and 37.
Water barge No. 19.
Freight lighters Nos. 4, 5, 6, 17, 21, 24, 28, and 38.
Floating derrick No. 15.
Yard tugs—Balanga, Barcelo, Christine, Iona.
Working launches Nos. 682, 684, and 686.

Polloc, P. I.

Coal barge No. 31.

Midway Islands.

Freight lighter No. 13.

VESSELS, FITTED WITH FLAG OFFICER'S QUARTERS.

Battleships Fitted with Flag Officer's Quarters.

Alabama.	Minnesota.	Rhode Island.
Arkansas.	Missouri.	Texas.
Connecticut.	Nebraska.	Utah.
Florida.	New Jersey.	Vermont.
Georgia.	New Mexico (division).	West Virginia (division).
Iowa.	New York.	Virginia.
Louisiana.	Ohio.	Wisconsin.
Maryland (division).	Pennsylvania.	Wyoming.

Battleships not Fitted with Flag Officer's Quarters.

Arizona.	Kearsarge.	North Dakota.
California.	Kentucky.	Oklahoma.
Colorado.	Maine.	Oregon.
Delaware.	Massachusetts.	South Carolina.
Idaho.	Michigan.	Tennessee.
Illinois.	Mississippi.	Washington.
Indiana.	Nevada.	
Kansas.	New Hampshire.	

Battle Cruisers Fitted with Flag Officer's Quarters.

No. 2 (division).	No. 4 (division).
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Battle Cruisers not Fitted with Flag Officer's Quarters.

No. 1.	No. 3.
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Armored Cruisers Fitted with Flag Officer's Quarters.

Frederick.	Pittsburgh.	Seattle.
Huntington.	Pueblo.	South Dakota.
Memphis.	San Diego.	

Armored Cruisers not Fitted with Flag Officer's Quarters.

Montana.	North Carolina.
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Cruisers, First Class, Fitted with Flag Officer's Quarters.

Brooklyn.	Saratoga.	Charleston.
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Cruisers, First Class, not Fitted with Flag Officer's Quarters.

Milwaukee.	St. Louis.
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Cruisers, Second Class, Fitted with Flag Officer's Quarters.

Chicago.	Minneapolis.	Olympia (cruiser force).
Columbia (submarine force).		

Cruiser, Third Class, Fitted with Flag Officer's Quarters.

Birmingham (destroyer force).

Cruisers, Third Class, not Fitted with Flag Officer's Quarters.

Albany.	Cleveland.	Montgomery.
Boston.	Denver.	New Orleans.
Chattanooga.	Des Moines.	Raleigh.
Chester.	Galveston.	Salem.
Cincinnati.	Marblehead.	Tacoma.

Tenders Fitted with Flag Officer's Quarters.

Bushnell.	Fulton.	Panther.
Dixie.		

Tenders not Fitted with Flag Officer's Quarters.

Alert.	Melville.	Pompey.
Iris.		

Special Type Fitted with Flag Officer's Quarters.

Baltimore (mine force).	San Francisco (mine force).	Vestal (train flagship).
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Special Type not Fitted with Flag Officer's Quarters.

Hannibal.	Leonidas.	Vesuvius.
Lebanon.	Prometheus.	

SUMMARY OF VESSELS, FIT FOR SERVICE AND UNDER CONSTRUCTION
IN THE UNITED STATES NAVY, JULY 1, 1906 TO 1911.*

Under Construction.

Type.	1906		1907		1908		1909		1910		1911	
	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.
First-class battleships..	9	Tons. 135,896	5	Tons. 74,000	4	Tons. 72,000	6	Tons. 115,650	4	Tons. 95,650	6	Tons. 149,650
Armored cruisers.....	6	85,360	4	56,360	1	14,500						
First-class cruisers.....	2	19,400										
Scout cruisers.....	3	11,250	3	11,250	1	3,750						
Training ships, steel....	2	3,600										
Torpedo-boat destroyers					5	3,500	20	14,630	15	11,130	9	6,678
Submarine torpedo boats.....	4	784	4	784	7	2,103	16	5,890	10	4,124	17	7,732
Tugs.....			2	1,510	2	1,510	1	755				
Colliers.....			2	25,170	2	25,170	6	78,220	2	38,735	2	38,735
Total.	26	256,290	20	169,074	22	122,533	49	215,145	31	149,639	34	202,795

* Reprint of the 1911 edition. Classification changes in the 1912 edition.

SUMMARY OF VESSELS, FIT FOR SERVICE AND UNDER CONSTRUCTION
IN THE UNITED STATES NAVY, JULY 1, 1906 TO 1911—Concluded.

Fit for Service, Including Those under Repair.

Type.	1906		1907		1908		1909		1910		1911	
	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.
First-class battleships...	16	Tons. 198,250	22	Tons. 292,146	25	Tons. 334,146	25	Tons. 334,146	29	Tons. 406,146	29	Tons. 406,146
Second-class battleships...	1	6,315	1	6,315	1	6,315	1	6,315	1	6,315	1	6,315
Armored cruisers...	4	54,720	6	83,720	9	125,580	10	140,080	10	140,080	10	140,080
First-class cruisers...	3	27,065	5	46,465	5	46,465	5	46,465	5	46,465	5	46,465
Armored ram...	1	2,183	1	2,183	1	2,183	1	2,183	1	2,183	1	2,183
Single-turret monitors...	4	12,900	4	12,900	4	12,900	4	12,900	4	12,900	4	12,900
Double-turret monitors...	6	26,104	6	26,104	6	26,104	6	26,104	6	26,104	6	26,104
Protected cruisers...	19	76,070	19	76,070	19	76,070	18	71,987	18	71,987	17	67,574
Unprotected cruisers...	3	6,216	3	6,216	3	6,216	3	6,216	3	6,216	2	4,144
Scout cruisers...	2	7,500	2	7,500	2	7,500	3	11,250	3	11,250	3	11,250
Gunboats...	9	11,564	9	11,564	9	11,564	9	11,564	8	10,387	7	8,677
Light-draft gunboats...	3	4,155	3	4,155	3	4,155	3	4,155	3	4,155	3	4,155
Composite gunboats...	8	8,190	8	8,190	8	8,190	8	8,190	8	8,190	8	8,190
Training ship, sheathed...	1	1,175	1	1,175	1	1,175	1	1,175	2	3,600	2	3,600
Training ship, steel...	2	3,600	2	3,600	2	3,600	2	3,600	1	346	1	346
Training brigantine...	1	346	1	346	1	346	2	2,416	2	2,416	2	2,416
Special class...	2	2,416	2	2,416	2	2,416	2	2,416	2	2,416	2	2,416
Gunboats under 500 tons...	15	3,603	13	3,265	12	3,095	12	3,095	12	3,095	9	2,439
Torpedo-boat destroyers...	16	6,695	16	6,695	16	6,695	16	6,695	21	10,195	33	19,099
Steel torpedo boats...	35	5,737	35	5,737	35	5,737	33	5,299	33	5,299	31	5,111
Wooden torpedo boat...	1	31	1	31	1	31	1	31	1	31	1	31
Submarine torpedo boats...	8	935	8	935	12	1,719	12	1,719	18	3,485	18	3,748
Iron steam vessels...	5	5,861	4	3,606	3	3,056	3	3,056	3	3,056	3	3,056
Wooden steam vessels...	5	8,840	5	8,840	5	8,840	5	8,840	5	8,840	5	8,840
Wooden sailing vessels...	8	10,045	8	10,045	5	5,895	5	5,895	5	5,895	4	5,620
Tugs...	41	13,060	40	12,703	41	13,606	42	14,361	43	15,013	44	15,713
Auxiliary cruisers...	5	28,339	5	28,339	4	24,959	4	24,959	4	24,959	4	24,959
Converted yachts...	23	11,881	23	11,872	22	11,750	21	11,453	19	10,421	18	10,106
Colliers...	15	74,854	15	74,854	15	74,854	15	74,854	20	135,417	20	150,462
Submarine tenders...	1	357	2	807	2	807	4	4,702	5	6,771	5	6,771
Mine-laying ship...	1	3,380	1	3,380	1	3,380	1	3,380	1	3,380	1	3,380
Repair ship...	1	3,300	1	3,300	1	3,300	2	9,000	2	9,000	2	9,000
Transports and supply ships...	11	53,247	10	50,571	9	50,084	8	44,384	8	44,384	8	44,384
Hospital ships...	1	3,300	1	3,300	1	3,300	2	9,000	2	9,000	2	9,000
Receiving ships...	4	18,995	5	21,250	5	21,250	4	18,995	4	18,995	5	23,403
Prison ships...	2	4,850	2	4,850	2	4,850	3	7,105	3	4,005	3	4,005
Total...	276	687,942	285	830,815	292	918,833	292	937,103	308	1,067,537	312	1,082,956

1 Excepting Locust. 2 Excepting Justin. 3 Includes Southery. 4 Excepting Southery.

SUMMARY OF VESSELS FIT FOR SERVICE AND UNDER CONSTRUCTION
IN THE UNITED STATES NAVY, JULY 1, 1912 TO 1916.

Fit for Service, Including Those under Repair.

Type.	1912		1913		1914		1915		1916	
	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.
Battleships, first line...	12	Tons. 205,650	8	167,650	10	221,650	8	189,650	11	276,050
Battleships, second line...	19	244,146	25	334,146	25	334,146	25	340,146	25	340,146
Armored cruisers...	10	140,080	10	140,080	10	140,080	10	140,080	10	140,080
Cruisers, first class...	5	46,465	5	46,465	5	46,465	5	46,465	5	46,465
Cruisers, second class...	6	33,561	4	25,065	4	25,065	4	25,065	4	25,065
Cruisers, third class...	15	48,748	15	48,748	15	48,748	15	48,748	16	50,820
Monitors...	10	39,004	9	32,944	9	32,944	9	32,944	7	24,964
Destroyers...	39	23,551	42	25,777	50	33,995	53	37,167	47	41,403
Coast torpedo vessels...	28	4,821	26	4,446	19	3,365	19	3,365	18	3,300
Torpedo boats...	22	5,229	24	6,421	30	9,322	36	12,338	38	13,580
Submarines...	7	20,661	7	20,661	6	19,484	7	20,892	8	31,927
Tenders to torpedo vessels...	27	25,078	27	25,078	30	27,890	30	27,890	28	25,937
Gunboats...	5	26,595	5	26,595	5	26,595	5	26,595	4	22,235
Supply ships...	4	25,400	4	25,400	4	25,400	4	25,400	4	25,400
Hospital ships...	2	9,000	2	9,000	2	9,000	2	9,000	1	5,700
Fuel ships...	19	155,663	21	200,702	22	232,401	23	251,581	20	239,430
Converted yachts...	17	9,634	17	9,634	16	9,476	16	9,476	14	8,957
Tugs...	44	15,884	45	18,024	45	18,024	45	18,024	47	19,431
Special type...	6	26,335	8	48,333	8	43,333	8	43,333	8	45,904
Unserviceable for war purposes...	26	59,421	22	50,771	21	47,501	19	43,9763	21	46,291
Total...	323	1,164,926	326	1,260,940	336	1,354,884	343	1,352,135	352	1,439,780

Under Construction.

Battleships, first line...	6	161,000	5	140,400	4	117,800	7	213,800	6	192,000
Destroyers...	11	10,496	14	14,580	12	12,992	15	16,442	11	12,093
Submarines...	17	8,268	22	11,555	20	10,673	22	11,839	35	20,311
Tenders to torpedo vessels...	1	1,408	1	1,408	3	12,138	2	10,730	1	10,000
Transports...	1	10,000	1	10,000	1	10,000	1	10,000	1	10,000
Supply ship...	1	8,500	1	8,500	1	8,500	1	8,500	1	8,500
Gunboats...	3	1,805	3	1,805	3	1,805	3	1,805	3	1,805
Fuel ships...	5	95,624	4	67,000	2	29,000	2	29,000	2	29,000
Tugs...	2	2,240	2	2,240	2	2,240	2	2,240	2	2,240
Total...	42	279,036	49	236,748	43	201,103	50	300,311	58	273,054

1 Excepting the Justin.

SUMMARY OF VESSELS IN THE UNITED STATES NAVY.

November 1, 1916.

Type.	Fit for service, including those under repair.		Under construction.		Authorized and appropriated for.		Total.		Number authorized but not appropriated for.
	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	Number.	Displacement.	
Battleships, single caliber.....	14	Tons. 339,450	5	Tons. 160,600	4	Tons. 130,400	23	Tons. 630,450	6
Battleships, mixed caliber.....	23	308,146					23	308,146	
Battle cruisers.....					4	139,200	4	139,200	2
Armored cruisers.....	10	140,080					10	140,080	
Cruisers, first class.....	5	46,465					5	46,465	
Cruisers, second class.....	4	25,065			4	28,400	8	53,465	6
Cruisers, third class.....	16	50,820					16	50,820	
Monitors.....	7	24,964					7	24,964	
Destroyers.....	49	43,585	9	9,911	20	23,700	78	77,196	30
Coast torpedo vessels.....	16	6,695					16	6,695	
Torpedo boats.....	17	3,146					17	3,146	
Submarines.....	44	16,721	31	20,144	30	22,590	105	59,455	37
Tenders to torpedo vessels.....	8	31,927					8	31,927	3
Gunboats.....	28	25,937	1	1,575			29	27,512	1
Transports.....	4	22,235	1	10,000			5	32,235	1
Supply ships.....	4	25,400	1	8,500			5	33,900	
Hospital ships.....	1	5,700	1	9,800			2	15,500	
Fuel ships.....	21	253,930	2	29,000			23	282,930	2
Converted yachts.....	14	8,957					14	8,957	
Tugs.....	47	19,608	2	1,150			49	20,758	
Special type.....	8	45,904			1	10,600	9	56,504	2
Unserviceable for war purposes.....	20	45,116					20	45,116	
Total.....	360	1,489,851	53	250,680	63	354,890	476	2,095,421	90

A-2 to A-7, 100.
 Abarenda, 138.
 Accomac, 150.
 Active, 150.
 Adams, 170, 174.
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 Aileen, 144, 174.
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 Alabama, 18.
 Albany, 48.
 Alert, 108.
 Alice, 182.
 Alida, 199.
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 Ammunition lighters, 194.
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 Anchor Hoy, 201.
 Annapolis, 114.
 Apache, 150.
 Arapaho, 150.
 Arethusa, 138.
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 Armored cruisers, 32.
 Ash lighters, 192.
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 Bainbridge, 88.
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 Barcelo, 199.
 Barges:
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 Biddle, 94.
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 Bridge, 132.
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 Brutus, 138.
 Buffalo, 130.
 Burrows, 62.
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 Dale, 88.
 Dart, 200.
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 Des Moines, 48.
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 Dubuque, 114.
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E-1 and E-2, 100.
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 Elcano, 114.
 Elfrida, 144, 174.
 Ericsson, 68.
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 Henderson, 130.
 Henley, 68.
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