

A and A Game Engineering Stations Manned and Ready

Game data file for United States Pre-Dreadnought - Warships 1880-1905

This data file contains precalculated game data for ships of the above nation.

Each record shows the class name, in service date, and variant (where appropriate). This is followed by the vessel's base game data in the same layout as that used in the rules.

This is followed by the armament, again in the same layout, though the presentation is slightly different to that shown in previous versions. This section shows the type of gun by Calibre and barrel length, followed by an identifier which can be used to reference weapons in our construction data sheets, then the game data.

The final section shows, on the left, the ships in the class, which may also show a date from, or until which that ship's values are valid.

In the right hand section you will find details of all the other equipment carried and used in the game. Note that there may be asterisks or other marks which cross reference between the ships on the left and the special data on the right. Again, ship specific equipment and values are shown. Most special game data is headed with a bullet point.

You may find up to 2 variants in many ship classes, where the weapon fit changed. Variant data usually shows the battery # affected by the change. Always refer to any notes for the relevant variant. The changes can often be cumulative. The following possibilities can occur:

- Weapons have been removed: a cost reduction is applied to the original ship cost.
- Weapons have been added: this will result in a cost increase to be added to the original ship cost.
- Weapons have been modified, with a change in the overall number: There may be an increase or reduction to apply to the original ship cost.
- In some cases there are two successive modifications, and therefore only the later of the cost adjustments should be applied. Such a case would apply if a ship had torpedo tubes reduced in one modification and completely removed in the second.

Please bear in mind that all cost alteration figures are based on the original value for the ship.

Changes in short range weapons and factors may be referred to in the ship's notes. These could also show a cost modifier, especially if the QF or SRAA values are altered. If the DP AA values have changed on second world war vessels, the cost alteration is already included in the figure showing the cost modification.

In some cases you may have to both add and subtract cost adjustments as part of the same modification.

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Summary

Data for the following ship classes is included in this document.

The date shown in the summary is the most recent revision date for the game data, taking account of corrections and amendments. The status of the data (new, altered or unchanged) is also shown.

B *Pre Dreadnought*

Connecticut	1906	11 October 2010	Altered Ship Data
Illinois	1901	01 December 2008	
Indiana	1895	01 December 2008	
Iowa	1897	01 December 2008	
Kearsarge	1900	01 December 2008	
Maine (I)	1895	01 December 2008	
Maine (II)	1902	07 January 2011	Altered Ship Data
Texas	1895	01 December 2008	

AC *Armoured Cruiser*

Brooklyn	1896	05 December 2008	
New York	1893	05 December 2008	
Pennsylvania	1905	05 December 2008	
St Louis	1905	11 October 2010	Altered Ship Data

CP *Protected Cruiser*

Atlanta	1886	18 December 2008	
Baltimore	1890	18 December 2008	
Charleston		18 December 2008	
Chicago	1889	18 December 2008	
	1898	18 December 2008	
Cincinnati	1894	07 January 2011	Altered Ship Data
Columbia	1894	18 December 2008	
Denver	1904	18 December 2008	
Montgomery	1893	18 December 2008	
New Orleans	1898	18 December 2008	
Newark		18 December 2008	
Olympia	1895	18 December 2008	
Philadelphia		18 December 2008	
San Francisco	1890	18 December 2008	

DD *Destroyer*

Bailey	1901	15 September 2010	Altered Ship Data
Bainbridge	1902	15 September 2010	Altered Ship Data
Farragut	1899	15 September 2010	Altered Ship Data
Goldsborough		07 January 2011	Altered Ship Data
Hopkins	1903	15 September 2010	Altered Ship Data
Lawrence	1903	15 September 2010	Altered Ship Data
Paul Jones	1902	15 September 2010	Altered Ship Data
Stewart	1902	15 September 2010	Altered Ship Data
Stringham	1905	15 September 2010	Altered Ship Data
Truxton	1902	15 September 2010	Altered Ship Data

MO Monitor

Amphitrite		05 December 2008	
Arkansas		11 October 2010	Altered Ship Data
Monterey		05 December 2008	
Puritan		05 December 2008	

TB1 1st class Torpedo Boat

Bagley		25 October 2010	New Ship Data
Blakely		25 October 2010	New Ship Data
Dahlgren		25 October 2010	New Ship Data
Davis		25 October 2010	New Ship Data
Foote		25 October 2010	New Ship Data
Nicholson		25 October 2010	New Ship Data
Porter		25 October 2010	New Ship Data
Rowan		25 October 2010	New Ship Data
Shubrick		25 October 2010	New Ship Data
Somers		25 October 2010	New Ship Data
Tingey		25 October 2010	New Ship Data
Wilkes		25 October 2010	New Ship Data

TB2 2nd class Torpedo Boat

Mackenzie	Group of 2 vessels	25 October 2010	New Ship Data
Talbot	Group of 2 vessels	25 October 2010	New Ship Data

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

B Pre Dreadnought

Connecticut	<i>Altered Ship Data</i>	1903	53	18	+ 0	4 RB	5	3	814
<i>Data for: 1906</i>			25	7	9	3	7	9	6
1: 4x12" (L/45) — [03] — AT2: B.S			8	4	11	9	7	6	—
2: 8x8" (L/45) — [03] — AT2: PFQ.SFQ.PAQ.SAQ			2	4	8	6	4	3	—
3: 12x7" (L/45) — [01] — C1: PB(x6).SB(x6)			3	3	7	5	3	—	—
Connecticut (BB18), Louisiana (BB19)			<i>QF: 6</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						

Illinois		1897	50	16	+ 0	4 RB	4	3	341
<i>Data for: 1901</i>			24	6	11	4	8	10	0
1: 4x13" (L/35) — [01] — AT2: B.S			4	2	10	8	—	—	—
2: 14x6" (L/40) — [01] — C1: PB(x7).SB(x7)			1	2	5	3	—	—	—
Illinois (BB7), Alabama (BB8), Wisconsin (BB9)			<i>QF: 5</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						
			<i>• QF reduced to 4 in 1909 (cost -1)</i>						

Variant 1 replaces the above entry for Weapon Battery #: 2

14x6" (L/40) — [02] — C1: PB(x7).SB(x7)	3	2	5	3	—	—	—
<i>Note for Variant 1: Refitted from 1906</i>							
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 79</i>							

Variant 2 replaces the above entry for Weapon Battery #: 2

8x6" (L/40) — [02] — C1: PB(x4).SB(x4)	3	2	5	3	—	—	—
<i>Note for Variant 2: Battery reduced by 1919</i>							
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 28</i>							

Indiana		1891	51	15	+ 0	4 RB	4	3	369
<i>Data for: 1895</i>			23	5	11	3	7	10	7
1: 4x13" (L/35) — [01] — AT2: B.S			4	2	10	8	—	—	—
2: 8x8" (L/35) — [02] — AT2: PFQ.SFQ.PAQ.SAQ			1	3	6	5	3	—	—
3: 4x6" (L/40) — [01] — C1: PB(x2).SB(x2)			1	2	5	3	—	—	—
Indiana (BB1), Massachusetts (BB2), Oregon (BB3)			<i>QF: 5</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 2

8x8" (L/35) — [03] — AT2: PFQ.SFQ.PAQ.SAQ	2	3	6	5	3	—	—
<i>Note for Variant 1: Refitted in 1908</i>							
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 35</i>							

Variant 2 replaces the above entry for Weapon Battery #: 3

—	-	-	-	-	-	-	-
<i>Note for Variant 2: 6" guns removed in 1908</i>							
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: - 11</i>							

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

B	Pre Dreadnought								
Iowa		1893	54	16	+ 0	4 RB	5	3	360
<i>Data for: 1897</i>			25	5	10	3	8	11	7
1: 4x12" (L/35) — [04] — AT2: B.S			3	2	9	7	—	—	—
2: 8x8" (L/35) — [02] — AT2: PFO.SFQ.PAQ.SAQ			1	3	6	5	3	—	—
3: 6x4" (L/40) — [01] — C1: PB(x2).SB(x2); S1: SLP.SLS			1	2	3	2	—	—	—
Iowa (BB4)									
									<i>QF: 5</i>
									<i>Poor underwater protection; Poor magazine protection</i>
									<i>• QF value reduced to 3 or 2 in 1909 (cost -2 or -3)</i>

Variant 1 replaces the above entry for Weapon Battery #: 2

8x8" (L/35) — [03] — AT2: PFO.SFQ.PAQ.SAQ			2	3	6	5	3	—	—
<i>Note for Variant 1: Refitted in 1908</i>									

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 34

Variant 2 replaces the above entry for Weapon Battery #: 3

10x4" (L/40) — [01] — C1: PB(x4).SB(x4); S1: SLP.SLS			1	2	3	2	—	—	—
<i>Note for Variant 2: 4" guns increased in 1909</i>									

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 7

Kearsarge		1896	52	16	+ 0	4 RB	4	3	398
<i>Data for: 1900</i>			24	6	11	3	8	11	8
1: 4x13" (L/35) — [01] — AT2: B.S			4	2	10	8	—	—	—
2: 4x8" (L/35) — [02] — AT2: B.S			1	3	6	5	3	—	—
3: 14x5" (L/40) — [01] — C1: PB(x7).SB(x7)			2	3	4	2	1	—	—
Kearsarge (BB5); Kentucky (BB6)									
									<i>QF: 5</i>
									<i>Poor underwater protection; Poor magazine protection</i>
									<i>• Note that the Secondary guns are mounted on top of the Main turrets and must fire at the same target as the primary batteries.</i>

Variant 1 replaces the above entry for Weapon Battery #: 2

4x8" (L/35) — [03] — AT2: B.S			2	3	6	5	3	—	—
<i>Note for Variant 1: Refitted from 1906</i>									

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 22

Variant 2 replaces the above entry for Weapon Battery #: 3

18x5" (L/40) — [01] — C1: PB(x7).SB(x7); S1: PB(x2).SB(x2)			2	3	4	2	1	—	—
<i>Note for Variant 2: Refitted from 1911</i>									

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 20

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

B Pre Dreadnought

Maine (I)	1888	29	17	- 1	4 RB	3	2	181
<i>Data for: 1895</i>		15	5	8	3	7	6	0
1: 4x10" (L/30) — [01] — AT2: CB(x2)		1	4	8	6	5	3	—
2: 6x6" (L/30) — [01] — C1: PB(x3).SB(x3)		1	2	4	3	—	—	—
Maine (I)		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Maine (II)	<i>Altered Ship Data</i>	1899	48	18	+ 0	4 RB	4	3	425
<i>Data for: 1902</i>			24	6	9	4	8	9	0
1: 4x12" (L/40) — [06] — AT2: B.S			2	4	12	9	8	6	—
2: 16x6" (L/50) — [02] — C1: PB(x8).SB(x8)			2	3	6	4	3	—	—
Maine (II) (BB10), Missouri (BB11), Ohio (BB12)			<i>QF: 3</i>						
			<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

4x12" (L/40) — [07] — AT2: B.S		6	4	10	8	7	5	—
<i>Note for Variant 1: Refitted in 1909</i>								
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 152</i>								

Texas	1889	33	17	- 1	4 RB	3	2	200
<i>Data for: 1895</i>		17	5	9	3	9	9	0
1: 2x12" (L/35) — [04] — AT1: PB.SB		3	2	9	7	—	—	—
2: 6x6" (L/30) — [01] — C1: PB(x2).SB(x2); S1: B.S		1	2	4	3	—	—	—
Texas		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 2

6x6" (L/30) — [02] — C1: PB(x2).SB(x2); S1: B.S		3	2	4	3	—	—	—
<i>Note for Variant 1: Refitted in 1906</i>								
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 30</i>								

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

AC Armoured Cruiser

Brooklyn	1893	30	20	- 1	4 RB	3	2	243
<i>Data for: 1896</i>		17	6	3	3	7	5	0
1: 8x8" (L/35) — [02] — AT2: B.PB.SB.S		1	3	6	5	3	—	—
2: 12x5" (L/40) — [01] — C1: PB(x6).SB(x6)		2	3	4	2	1	—	—
Brooklyn		<i>QF: 4</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

8x8" (L/35) — [03] — AT2: B.PB.SB.S	2	3	6	5	3	—	—	—
<i>Note for Variant 1: Rearmed after 1906</i>								

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 38

New York	1890	27	20	- 1	4 RB	3	2	188
<i>Data for: 1893</i>		17	6	4	3	7	5	0
1: 6x8" (L/35) — [02] — AT2: B.S; S1: PB.SB		1	3	6	5	3	—	—
2: 12x4" (L/40) — [01] — C1: PB(x6).SB(x6)		1	2	3	2	—	—	—
New York		<i>QF: 3</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

6x8" (L/35) — [03] — AT2: B.S; S1: PB.SB	2	3	6	5	3	—	—	—
<i>Note for Variant 1: Rearmed after 1906</i>								

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 30

Pennsylvania	1901	33	22	+ 0	4 RB	3	3	276
<i>Data for: 1905</i>		19	8	6	2	7	6	0
1: 4x8" (L/40) — [01] — AT2: B.S		1	3	7	5	4	—	—
2: 14x6" (L/50) — [02] — C1: PB(x7).SB(x7)		2	3	6	4	3	—	—
Pennsylvania, West Virginia, California, Colorado, Maryland, South Dakota		<i>QF: 6</i>						
		<i>Poor underwater protection; Poor magazine protection</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

4x8" (L/40) — [02] — AT2: B.S	2	3	7	5	4	—	—	—
<i>Note for Variant 1: Rearmed after 1906</i>								

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 31

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

CP Protected Cruiser

Atlanta	1883	8	13	- 2	3 RB	2	2	81
<i>Data for: 1886</i>		8	4	0	1	0	0	0
1: 2x8" (L/30) — [01] — O1: B.S		1	3	6	4	3	—	—
2: 6x6" (L/30) — [01] — C1: PB(x3).SB(x3)		1	2	4	3	—	—	—
Atlanta, Boston		<i>QF: 2</i>						

Baltimore	1887	11	19	- 1	4 RB	2	2	117
<i>Data for: 1890</i>		10	5	0	3	3	0	0
1: 4x8" (L/35) — [02] — S1: BLP.BLS.SLP.SLS		1	3	6	5	3	—	—
2: 6x6" (L/30) — [01] — S1: PB(x3).SB(x3)		1	2	4	3	—	—	—
Baltimore		<i>QF: 3</i>						

• The gun modification shown below involved the removal of the 8" guns and replacement and increase of the 6" guns in the period 1900-1903.

Variant 1 replaces the above entry for Weapon Battery #: 1

12x6" (L/40) — [02] — S1: BLP.BLS.PB(x4).SB(x4).SLP.SLS	3	2	5	3	—	—	—
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Note for Variant 1: Rearmed in 1900 to 1903, the guns shown have the capability valid from 1906

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 86

Variant 2 replaces the above entry for Weapon Battery #: 2

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Note for Variant 2: -

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: - 15

Charleston	1887	9	19	- 1	4 RB	2	2	95
		8	5	0	2	2	0	0
1: 2x8" (L/35) — [02] — S1: B.S		1	3	6	5	3	—	—
2: 6x6" (L/30) — [01] — S1: PB(x3).SB(x3)		1	2	4	3	—	—	—
Charleston		<i>QF: 3</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

United States

CP *Protected Cruiser*

Chicago	1883	10	14	- 1	4 RB	2	2	98
<i>Data for: 1889</i>		9	5	0	1	0	0	0
1: 4x8" (L/30) — [01] — C1: PFQ.SFQ.PAQ.SAQ		1	3	6	4	3	—	—
2: 8x6" (L/30) — [01] — C1: PB(x4).SB(x4)		1	2	4	3	—	—	—
3: 2x5" (L/31) — [01] — C1: PB.SB		1	3	4	2	1	—	—
Chicago		<i>QF: 2</i>						

Chicago	1883	12	18	- 1	4 RB	2	2	167
<i>Data for: 1898</i>		9	5	1	1	3	0	0
1: 4x8" (L/35) — [02] — C1: PFQ.SFQ.PAQ.SAQ		1	3	6	5	3	—	—
2: 14x5" (L/40) — [01] — C1: PB(x7).SB(x7)		2	3	4	2	1	—	—
Chicago		<i>QF: 2</i>						

Cincinnati	<i>Altered Ship Data</i>	1889	8	19	- 2	3 RB	2	2	115
<i>Data for: 1894</i>			7	5	0	3	2	0	0
1: 1x6" (L/40) — [01] — S1: B			1	2	5	3	—	—	—
2: 10x5" (L/40) — [01] — PB(x4).SB(x4).SLP.SLS			2	3	4	2	1	—	—
Cincinnati, Raleigh			<i>QF: 3</i>						
			• Raleigh has <i>QF</i> value of 4 (cost +1)						

Variant 1 replaces the above entry for Weapon Battery #: 1

1x6" (L/40) — [02] — S1: B		3	2	5	3	—	—	—
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Note for Variant 1: Improved gun from 1906

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 8

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

United States

CP Protected Cruiser

Columbia 1890 15 21 -1 4 RB 2 2 130

Data for: 1894 13 6 0 3 5 0 0

1: 1x8" (L/40) — [01] — S1: S 1 3 7 5 4 — —

2: 2x6" (L/40) — [01] — S1: BLP.BLS 1 2 5 3 — — —

3: 8x4" (L/40) — [01] — C1: PB(x4).SB(x4) 1 2 3 2 — — —

Columbia, Minneapolis *QF: 4*

Variant 1 replaces the above entry for Weapon Battery #: 1

1x8" (L/40) — [02] — S1: S 2 3 7 5 4 — —

Note for Variant 1: Improved gun from 1906

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 7

Variant 2 replaces the above entry for Weapon Battery #: 2

2x6" (L/40) — [02] — S1: BLP.BLS 3 2 5 3 — — —

Note for Variant 2: Improved gun from 1906

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 13

Denver 1900 8 17 -2 3 RB 2 2 93

Data for: 1904 8 5 0 1 0 0 0

1: 10x5" (L/50) — [01] — S1: B.S; C1: PB(x4).SB(x4) 1 3 5 3 2 — —

Denver, Des Moines, Chattanooga, Galveston. Tacoma, Cleveland *QF: 3*

Montgomery 1890 6 17 -2 3 RB 1 2 101

Data for: 1893 6 4 0 0 0 0 0

1: 9x5" (L/40) — [01] — S1: B.PB(x4).SB(x4) 2 3 4 2 1 — —

Montgomery, Detroit, Marblehead *QF: 3*

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

United States

CP Protected Cruiser

New Orleans	1895	9	20	- 1	4 RB	2	2	97
<i>Data for: 1898</i>		7	5	0	4	4	0	0
1: 6x6" (L/50) — [01] — S1: B.PB(x2).SB(x2).S		1	2	5	3	—	—	—
2: 4x4.7" (L/50) — [01] — S1: PB(x2).SB(x2)		1	2	4	3	—	—	—
New Orleans, Albany		<i>QF: 4</i>						

Newark	1888	11	18	- 1	4 RB	2	2	165
		9	5	0	3	3	0	0
1: 12x6" (L/30) — [02] — S1: PB(x6).SB(x6)		3	2	4	3	—	—	—
Newark		<i>QF: 3</i>						

Olympia	1891	16	20	- 1	4 RB	2	2	191
<i>Data for: 1895</i>		12	5	0	3	5	4	0
1: 4x8" (L/35) — [02] — AT2: B.S		1	3	6	5	3	—	—
2: 10x5" (L/40) — [01] — S1: PB(x5).SB(x5)		2	3	4	2	1	—	—
Olympia		<i>QF: 4</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

4x8" (L/35) — [03] — AT2: B.S		2	3	6	5	3	—	—
<i>Note for Variant 1: Improved guns fitted from 1906</i>								
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 24</i>								

Philadelphia	1888	11	19	- 1	4 RB	2	2	110
		9	5	0	3	3	0	0
1: 12x6" (L/30) — [01] — S1: BLP.SLP.PB(x4).SB(x4).SLP.SLS		1	2	4	3	—	—	—
Philadelphia		<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

12x6" (L/30) — [02] — S1: BLP.BLS.PB(x4).SB(x4).SLP.SLS		3	2	4	3	—	—	—
<i>Note for Variant 1: Improved gun fitted from 1906</i>								
<i>The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 62</i>								

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

United States

CP Protected Cruiser

San Francisco 1888 11 19 - 1 4 RB 2 2 110

Data for: 1890 9 5 0 3 3 0 0

1: 12x6" (L/30) — [01] — S1: BLP.SLP.PB(x4).SB(x4).SLP.SLS 1 2 4 3 — — —

San Francisco

QF: 3

• Note change of armament in 1902 and further improvement in 1906

Variant 1 replaces the above entry for Weapon Battery #: 1

12x6" (L/40) — [01] — S1: BLP.BLS.PB(x4).SB(x4).SLP.SLS 1 2 5 3 — — —

Note for Variant 1: Different gun fitted in 1902

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 4

Variant 2 replaces the above entry for Weapon Battery #: 1

12x6" (L/40) — [02] — S1: BLP.BLS.PB(x4).SB(x4).SLP.SLS 3 2 5 3 — — —

Note for Variant 2: Improved gun fitted from 1906

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 74

Class Name Variant or Small Vessel Grouping (where appropriate)	Initial in service date	S	Spd	Size	Vis	FC	DC	Cost
		F	MVR	Belt	Deck	CT	T #1	T #2
Armament		IP	RB	I	II	III	IV	V
Ships in Class	Other Weapons and Equipment, Notes							

United States

DD **Destroyer**

Hopkins	<i>Altered Ship Data</i>	1899	1	29	- 3	2 RB	1	1	19
<i>Data for: 1903</i>			1	4	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Hopkins, Hull			<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

2x18" Torpedo — [17] — TT1: CB(x2)			2	1	+0	—	—	—	—
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Note for Variant 1: Improved torpedoes probably carried in WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

Lawrence	<i>Altered Ship Data</i>	1899	1	30	- 3	2 RB	1	1	19
<i>Data for: 1903</i>			1	4	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Lawrence, Macdonough			<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

2x18" Torpedo — [17] — TT1: CB(x2)			2	1	+0	—	—	—	—
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Note for Variant 1: Improved torpedoes probably carried in WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

Paul Jones	<i>Altered Ship Data</i>	1899	1	29	- 3	2 RB	1	1	19
<i>Data for: 1902</i>			1	4	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Paul Jones, Perry, Preble			<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

2x18" Torpedo — [17] — TT1: CB(x2)			2	1	+0	—	—	—	—
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Note for Variant 1: Improved torpedoes probably carried in WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

Stewart	<i>Altered Ship Data</i>	1900	1	29	- 3	2 RB	1	1	19
<i>Data for: 1902</i>			1	4	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Stewart			<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

2x18" Torpedo — [17] — TT1: CB(x2)			2	1	+0	—	—	—	—
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Note for Variant 1: Improved torpedoes probably carried in WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 1

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

United States

DD **Destroyer**

Stringham	<i>Altered Ship Data</i>	1898	1	30	- 3	2 RB	1	1	23
<i>Data for: 1905</i>			1	3	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Stringham			<i>QF: 2</i>						

Truxton	<i>Altered Ship Data</i>	1899	1	30	- 3	2 RB	1	1	19
<i>Data for: 1902</i>			1	4	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB(x2)			2	10 cm	-1*	—	—	—	—
Truxton, Whipple, Worden			<i>QF: 3</i>						

Variant 1 replaces the above entry for Weapon Battery #: 1

4x18" Torpedo — [17] — TT2: CB(x2)			2	1	+0	—	—	—	—
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Note for Variant 1: Truxton and Worden had altered torpedo arrangements by WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 1: + 3

Variant 2 replaces the above entry for Weapon Battery #: 1

2x18" Torpedo — [17] — TT2: CB			2	1	+0	—	—	—	—
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Note for Variant 2: Whipple had altered torpedo arrangements in WW1

The total cost shown at the top of this ship's data entry is modified by the following amount if using the modifications in Variant 2: + 1

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>		<i>Other Weapons and Equipment, Notes</i>						

United States

<i>MO</i>	<i>Monitor</i>								
Puritan		1880	23	12	- 1	4 RB	3	2	156
			12	6	9	2	7	6	0
	1: 4x12" (L/35) — [04] — AT2: B.S		3	2	9	7	—	—	—
	2: 6x4" (L/40) — [01] — O1: PB(x3).SB(x3)		1	2	3	2	—	—	—
	Puritan								

QF: 2
Poor underwater protection; Poor magazine protection

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

United States

TB1 *1st class Torpedo Boat*

Bagley	<i>New Ship Data</i>	1900	1	28	- 4	1 RB	1	1	31
			1	2	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Bagley, Barney, Biddle			<i>QF: 2</i>						

Blakely	<i>New Ship Data</i>	1899	1	26	- 4	1 RB	1	1	20
			1	3	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Blakely, De Long			<i>QF: 2</i>						

Dahlgren	<i>New Ship Data</i>	1899	1	31	- 4	1 RB	1	1	34
			1	2	0	0	0	0	0
1: 2x18" Torpedo — [07] — TT1: CB.S			2	10 cm	-1*	—	—	—	—
Dahlgren, Craven			<i>QF: 2</i>						

Davis	<i>New Ship Data</i>	1898	1	23	- 4	1 RB	1	0	26
			1	2	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Davis, Fox			<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

United States

TB1	<i>1st class Torpedo Boat</i>									
Foote		<i>New Ship Data</i>	1896	1	25	- 4	1 RB	1	0	28
				1	2	0	0	0	0	0
	1: 3x18" Torpedo — [02] — TT1: PB.SB.S			2	10 cm	-2*	—	—	—	—
	Foote, Rodgers, Winslow			<i>QF: 2</i>						
Nicholson		<i>New Ship Data</i>	1898	1	25	- 4	1 RB	1	1	20
				1	3	0	0	0	0	0
	1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
	Nicholson, O'Brien			<i>QF: 2</i>						
Porter		<i>New Ship Data</i>	1896	1	28	- 4	1 RB	1	0	22
				1	3	0	0	0	0	0
	1: 3x18" Torpedo — [02] — TT1: PB.SB.S			2	10 cm	-2*	—	—	—	—
	Porter, Du Pont			<i>QF: 2</i>						
Rowan		<i>New Ship Data</i>	1898	1	26	- 4	1 RB	1	0	20
				1	3	0	0	0	0	0
	1: 3x18" Torpedo — [02] — TT1: PB.SB.S			2	10 cm	-2*	—	—	—	—
	Rowan			<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

United States

TB1 *1st class Torpedo Boat*

Shubrick	<i>New Ship Data</i>	1899	1	25	- 4	1 RB	1	1	20
			1	3	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Shubrick, Stockton, Thornton			<i>QF: 2</i>						

Somers	<i>New Ship Data</i>	1897	1	23	- 4	1 RB	1	0	26
			1	2	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: BR.CB(x2)			2	10 cm	-1*	—	—	—	—
Somers			<i>QF: 2</i>						

Tingey	<i>New Ship Data</i>	1899	1	25	- 4	1 RB	1	1	20
			1	3	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Tingey			<i>QF: 2</i>						

Wilkes	<i>New Ship Data</i>	1899	1	27	- 4	1 RB	1	1	21
			1	3	0	0	0	0	0
1: 3x18" Torpedo — [07] — TT1: PB.SB.S			2	10 cm	-1*	—	—	—	—
Wilkes			<i>QF: 2</i>						

<i>Class Name</i>	<i>Initial in service date</i>	<i>S</i>	<i>Spd</i>	<i>Size</i>	<i>Vis</i>	<i>FC</i>	<i>DC</i>	<i>Cost</i>
<i>Variant or Small Vessel Grouping (where appropriate)</i>		<i>F</i>	<i>MVR</i>	<i>Belt</i>	<i>Deck</i>	<i>CT</i>	<i>T #1</i>	<i>T #2</i>
<i>Armament</i>		<i>IP</i>	<i>RB</i>	<i>I</i>	<i>II</i>	<i>III</i>	<i>IV</i>	<i>V</i>
<i>Ships in Class</i>	<i>Other Weapons and Equipment, Notes</i>							

United States

TB2 *2nd class Torpedo Boat*

Mackenzie	<i>New Ship Data</i>	1897	1	20	- 4	1 RB	1	0	24
<i>Data for: Group of 2 vessels</i>			1	2	0	0	0	0	0
1: 4x18" Torpedo — [07] — TT1: CB(x2).S(x2)			2	10 cm	-1*	—	—	—	—
Mackenzie, McKee			<i>QF: 2</i>						

Talbot	<i>New Ship Data</i>	1897	1	20	- 4	1 RB	1	0	23
<i>Data for: Group of 2 vessels</i>			1	2	0	0	0	0	0
1: 4x18" Torpedo — [02] — TT1: CB(x2).S(x2)			2	10 cm	-2*	—	—	—	—
Talbot, Gwin			<i>QF: 1</i>						