

# The Battle of Coquimbo

May 2, 1892

*HYPOTHETICAL*



**Beaufort Number:** Force 2/3

**Sea State:** 5 - 6 feet

**Wind Direction and Speed:** from S-SE

6 - 9 knots

**Game Scale:** 18000 (1" = 500 yds)

**Game Turn:** 2 Minutes Per Turn


# COVER SHEET

# The Battle of Coquimbo

May 2, 1892



## CHILE

Strike Force										VADM Torres						
<b>BB</b>	<b>Capitan Prat</b>	2606-0	6901 ts	328 ft	TS: 1	4x 18" Mk II TT					<i>ARMOR</i>					<b>0.74</b>
		18 kts	4 x 240mm/36 M1887	<b>27</b>	11,059 yds	22.1"	2 x FCS 1U1	None	<b>0</b>	1	1.5	2	1.5	3	1.8	
	1509 DP	8 x 120mm/45 M1887	<b>12</b>	10,636 yds	21.3"	2 x FCS 2Z1	None	<b>0</b>	4	7.8	5	8.7	6	3.6		
	Turn: 60					None	<b>0</b>	7	8.0	8	1.5	9	3.1			
<b>CA</b>	<b>Esmeralda</b>	2609-0	2950 ts	270 ft	TS: 0	3x 14" Whitehead TT					<i>ARMOR</i>					<b>0.75</b>
		18 kts	2 x 10"/30 Patterns F, G	<b>31</b>	9,544 yds	19.1"	1 x FCS 1Y1	None	<b>0</b>	1	1.5	2	0.0	3	0.3	
	987 DP	6 x 6"/26.1 BLR 4-Ton Pattern	<b>15</b>	6,697 yds	13.4"	2 x FCS 2Y1	None	<b>0</b>	4	1.5	5	0.0	6	0.0		
	Turn: 90					None	<b>0</b>	7	0.0	8	1.5	9	0.3			
<b>CL</b>	<b>Presidente Pinto</b>	2983-0	2047 ts	268 ft	TS: 0	3x 14" Whitehead TT					<i>ARMOR</i>					<b>0.90</b>
		18 kts	4 x 150mm/36 M1884	<b>16</b>	10,750 yds	21.5"	1 x FCS 1U1	None	<b>0</b>	1	2.2	2	0.0	3	0.4	
	822 DP	2 x 120mm/36 M1884	<b>12</b>	9,201 yds	18.4"	1 x FCS 2Y1	None	<b>0</b>	4	1.8	5	0.0	6	0.0		
	Turn: 60					None	<b>0</b>	7	0.0	8	2.9	9	0.4			
<b>TB</b>	<b>Almirante Lynch</b>	2985-0	713 ts	230 ft	TS: 0	5x 14" Whitehead TT					<i>ARMOR</i>					<b>0.75</b>
		20 kts					None	<b>0</b>	1	0.8	2	0.0	3	0.1		
	485 DP						None	<b>0</b>	4	0.0	5	0.0	6	0.0		
	Turn: 90						None	<b>0</b>	7	0.0	8	0.0	9	0.1		
<b>TB</b>	<b>Almirante Condell</b>	2986-0	713 ts	230 ft	TS: 0	5x 14" Whitehead TT					<i>ARMOR</i>					<b>0.75</b>
		20 kts					None	<b>0</b>	1	0.8	2	0.0	3	0.1		
	485 DP						None	<b>0</b>	4	0.0	5	0.0	6	0.0		
	Turn: 90						None	<b>0</b>	7	0.0	8	0.0	9	0.1		



UNITED STATES

South Pacific Squadron										RADM Belknap					
 CA <b>Baltimore (C3)</b> CAPT W. S. Schley	2802-0	4313 ts	335 ft	TS: 1	5x	14.2" Howell TT				ARMOR				0.75	
	19 kts	4 x 8"/35 Mk 3, 4	24	12,787 yds	25.6"	1 x FCS	1T1	None	0	1	1.9	2	0.0	3	0.4
	1193 DP	6 x 6"/30 Mk 3	17	7,920 yds	15.8"	2 x FCS	2T1	None	0	4	2.3	5	0.0	6	0.0
Turn: 60							None	0	7	0.0	8	1.5	9	0.3	
CA <b>Charleston (C2)</b> CAPT G. C. Remy	2801-0	3730 ts	320 ft	TS: 1	4x	14.2" Howell TT				ARMOR				0.75	
	19 kts	2 x 8"/35 Mk 3, 4	24	12,787 yds	25.6"	1 x FCS	1T1	None	0	1	1.5	2	0.0	3	0.3
	1109 DP	6 x 6"/30 Mk 3	17	7,920 yds	15.8"	2 x FCS	2T1	None	0	4	1.5	5	0.0	6	0.0
Turn: 60							None	0	7	1.5	8	0.0	9	0.3	
CA <b>Atlanta</b>	2798-0	3189 ts	283 ft	TS: 0	0x	None TT				ARMOR				0.75	
	14 kts	2 x 8"/30 Mk 1, 2	24	9,078 yds	18.2"	1 x FCS	1T1	None	0	1	1.1	2	0.0	3	0.3
	1026 DP	6 x 6"/30 Mk 1, 2	17	7,776 yds	15.6"	2 x FCS	2T1	None	0	4	1.5	5	0.0	6	0.0
Turn: 60							None	0	7	1.5	8	0.0	9	0.3	
CL <b>San Francisco (C5)</b> CAPT W. T. Sampson	5237-0	4088 ts	310 ft	TS: 1	6x	14.2" Howell TT				ARMOR				0.75	
	19 kts	12 x 6"/30 Mk 3	17	7,920 yds	15.8"	2 x FCS	1T1	None	0	1	1.5	2	0.0	3	0.3
	1161 DP							None	0	4	2.3	5	0.0	6	0.0
Turn: 90							None	0	7	0.0	8	1.5	9	0.3	
PG <b>Yorktown (PG1)</b>	5282-0	1710 ts	244 ft	TS: 0	0x	None TT				ARMOR				0.75	
	16 kts	6 x 6"/30 Mk 3	17	7,920 yds	15.8"	1 x FCS	1T1	None	0	1	0.0	2	0.0	3	0.0
	751 DP							None	0	4	1.5	5	0.0	6	0.0
Turn: 90							None	0	7	0.0	8	0.0	9	0.1	
PG <b>Bennington (PG4)</b>	5284-0	1710 ts	244 ft	TS: 0	0x	None TT				ARMOR				0.75	
	16 kts	6 x 6"/30 Mk 3	17	7,920 yds	15.8"	1 x FCS	1T1	None	0	1	0.0	2	0.0	3	0.0
	751 DP							None	0	4	1.5	5	0.0	6	0.0
Turn: 90							None	0	7	0.0	8	0.0	9	0.1	



# Atlanta

CA UNITED STATES

1886 to 1895

2798-0 ATLANTA Class

Displacement  
Complement  
Sold 00/00/1912

3,189 ts  
284

Length  
Beam  
Draft

283 ft  
42 ft  
17 ft

John Roach  
Launched  
Completed

10/09/1894  
07/19/1886



## SHIP LOG SHEET

Version 7/11/2005


2 x 8"/30 Mk 1, 2

24

Max ROF		Range		Shell Size/Weight	
0.9	sh/min	9,078 yds	18.2"	8.0"	260.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1T1	None		COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 200

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	10	6	6	4	5	3	4	2	
10 - 18	7	4	4	3	3	2	2	1	
19 - 27	5	3	3	2	2	1	2	1	
28 - 36	4	3	3	2	2	1	2	1	
37 - 45	4	2	2	1	2	1	1	1	

AP		PENETRATION TABLE												
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	1.8	1.8	1.8	1.8	1.8									
Rge	S	S	M	M	M									
H	0.2	0.4	0.7	0.9	1.1									
V	7.1	5.5	4.4	3.7	3.4									


6 x 6"/30 Mk 1, 2

17

Max ROF		Range		Shell Size/Weight	
1.2	sh/min	7,776 yds	15.6"	6.0"	104.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	2T1	None		COM	HE
AA	0.0	Level	S	Ammunition	120 rpg 720

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	8	5	5	3	4	2	3	2	
10 - 18	5	3	3	2	2	1	2	1	
19 - 27	4	3	3	2	2	1	1	1	
28 - 36	3	2	2	1	1	1	1	1	
37 - 45	3	2	2	1	1	1	1	1	

AP		PENETRATION TABLE												
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	2.4	2.4	2.4	2.4										
Rge	S	S	M	M										
H	0.2	0.3	0.5	0.7										
V	4.7	3.4	2.7	2.4										

Crew	Sea	BR	Targ Sz	Ops
			0	

### AIRCRAFT

Aircraft	0	Catapult	0
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### TORPEDOES

TT	0	Ammo	0
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None	
Damage Class	
Settings	

### MINES

0
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### RAPID FIRE BATTERIES

RF1	2	6pdr/42 57mm		
Max Rg	7,500	15.0"	4	3
Eff Rg	3,375	6.8"	6	5

RF	Port	1	1	1	0	0
12	Stbd	1	1	1	0	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF2	2	3pdr/47mm Hotchkiss		
Max Rg	7,900	15.8"	4	3
Eff Rg	3,555	7.1"	6	5

RF	Port	1	1	1	0	0
9	Stbd	1	1	1	0	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	491	Oil (ts)	0	Radius (nm/kts)	3390 10	Search Radar	None	ASW MORTARS/ATW	0	DEPTH CHARGES	Rack 0
Engines	HC					None				Ammo 0	
Boilers	8 cylindrical					None					





# Charleston (C2)

CA UNITED STATES 1889 to 1899

2801-0 CHARLESTON Class

Displacement  
Complement  
Wrecked 11/02/1899

3,730 ts  
300

Length 320 ft  
Beam 46 ft  
Draft 18.5 ft  
Union Iron Works  
Launched 07/19/1888  
Completed 12/26/1889



## SHIP LOG SHEET

Version 7/11/2005


2 x 8"/35 Mk 3, 4

24

Max ROF		Range		Shell Size/Weight	
1.6	sh/min	12,787 yds	25.6"	8.0"	260.0 lbs.
Fire Control		FC Radar		+ 0	
1	1T1	None		AP	SAP
				COM	HE
AA	0.0	Level	S	Ammunition	
				120 rpg	240

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	10	6	6	4	5	3	4	2	
10 - 18	7	4	4	3	3	2	2	1	
19 - 27	5	3	3	2	2	1	2	1	
28 - 36	4	3	3	2	2	1	2	1	
37 - 45	4	2	2	1	2	1	1	1	

AP		PENETRATION TABLE												
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	3.2	3.2	3.2	3.2	3.2	2.8	2.6							
Rge	S	S	M	M	L	L	L							
H	0.2	0.4	0.7	0.9	1.2	1.6	1.9							
V	7.6	5.8	4.6	3.8	3.4	3.0	2.9							

2	1	
4	3	
6	5	

6 x 6"/30 Mk 3

17

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	7,920 yds	15.8"	6.0"	105.0 lbs.
Fire Control		FC Radar		+ 0	
2	2T1	None		AP	SAP
				COM	HE
AA	0.0	Level	S	Ammunition	
				120 rpg	720

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	8	5	5	3	4	2	3	2	
10 - 18	5	3	3	2	2	1	2	1	
19 - 27	4	3	3	2	2	1	1	1	
28 - 36	3	2	2	1	1	1	1	1	
37 - 45	3	2	2	1	1	1	1	1	

AP		PENETRATION TABLE												
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	3.7										
Rge	S	S	M	M										
H	0.2	0.3	0.5	0.7										
V	4.8	3.5	2.7	2.3										

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT				
Aircraft	0		Catapult	0

TORPEDOES			
TT	4	Ammo	8
14.2" Howell			
Damage Class	I		
Settings			
400/25			
600/18			
MINES			
0			

### RAPID FIRE BATTERIES

RF1	4	6pdr/42 57mm		
Max Rg	7,500	15.0"	4	3
Eff Rg	3,375	6.8"	6	5

RF	Port	2	2	1	1	0
12	Stbd	2	2	1	1	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF2	2	3pdr/47mm Hotchkiss		
Max Rg	7,900	15.8"	4	3
Eff Rg	3,555	7.1"	6	5

RF	Port	1	1	1	0	0
9	Stbd	1	1	1	0	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	600	Oil (ts)	0	Radius (nm/kts)	7477	10	Search Radar	None	ASW MORTARS/ATW	0		DEPTH CHARGES	Rack	0	
Engines	HC						None					Ammo	0		
Boilers	6 cylindrical			16			None								

TIER, DP, 1109, 111, 222, 333, 444, 555, 654, 754, 854, 954, 1054, 1120

DP 1109, KTS 19, Engine Rm, Prop/Shaft, Boiler Rm, Speed, Increase, Bridge Command Rating, Flag Command Rating, Damage Control (DCR)

Fuel Code CS1A, ARMOR 0.75 Actual, 1H DECK 1.5 2.0, 2H TURRET 0.0 0.0, 3H SUPERSTR 0.3 0.4, 4V CON 1.5 2.0, 5V BELT MID 0.0 0.0, 6V BELT END 0.0 0.0, 7V BARBETTE 1.5 2.0, 8V TURRET 0.0 0.0, 9V SUPERSTR 0.3 0.4

T#, DE #, SEVERITY, DESCRIPTION

1-20 CODE ORDER, COURSE AND SPEED, ILLUMINATION AND EVASION, TORPEDO AND AIRCRAFT, PRIMARY BATTERY, SECONDARY BATTERY, RF BATTERY

LOSS OF SPEED DURING TURNS, KTS, STD, E/EA

TURNING SEGMENTS, DEG OF TURN, SEGMENTS

SHIPBOARD FIRE TRACKING, T#, Fire, Current Severity

FIGHTING SHIPBOARD FIRES, NO DAMAGE CONTROL, DAMAGE CONTROL



# Baltimore (C3)

CA UNITED STATES

1890 to 1900

2802-0 BALTIMORE Class

Displacement  
Complement  
Sold 00/00/1942

4,313 ts  
386

Length 335 ft  
Beam 48 ft  
Draft 19.5 ft  
Cramp Launched Completed

10/06/1888  
01/07/1890



## SHIP LOG SHEET

Version 7/11/2005



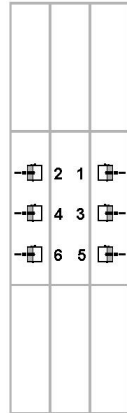
4 x 8"/35 Mk 3, 4

24

Max ROF		Range		Shell Size/Weight	
1.6	sh/min	12,787 yds	25.6"	8.0"	260.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1T1	None		COM	HE
AA	0.0	Level	S	Ammunition	100 rpg 400

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	10	6	6	4	5	3	4	2	
10 - 18	7	4	4	3	3	2	2	1	
19 - 27	5	3	3	2	2	1	2	1	
28 - 36	4	3	3	2	2	1	2	1	
37 - 45	4	2	2	1	2	1	1	1	

AP PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	3.2	3.2	3.2	3.2	3.2	2.8	2.6							
Rge	S	S	M	M	L	L	L							
H	0.2	0.4	0.7	0.9	1.2	1.6	1.9							
V	7.6	5.8	4.6	3.8	3.4	3.0	2.9							



6 x 6"/30 Mk 3

17

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	7,920 yds	15.8"	6.0"	105.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	2T1	None		COM	HE
AA	0.0	Level	S	Ammunition	150 rpg 900

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	8	5	5	3	4	2	3	2	
10 - 18	5	3	3	2	2	1	2	1	
19 - 27	4	3	3	2	2	1	1	1	
28 - 36	3	2	2	1	1	1	1	1	
37 - 45	3	2	2	1	1	1	1	1	

AP PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	4.0	4.0	4.0	3.7										
Rge	S	S	M	M										
H	0.2	0.3	0.5	0.7										
V	4.8	3.5	2.7	2.3										

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT				
Aircraft	0	Catapult	0	

B	TORPEDOES		
	TT	5	Ammo 9
	14.2" Howell		
	Damage Class	I	
S	Settings		
	400/25		
	600/18		
N	MINES		
	0		

### RAPID FIRE BATTERIES

RF1	4	6pdr/42 57mm		
Max Rg	7,500	15.0"	4	3
Eff Rg	3,375	6.8"	6	5

RF	Port	2	2	1	1	0
12	Stbd	2	2	1	1	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF2	2	3pdr/47mm Hotchkiss		
Max Rg	7,900	15.8"	4	3
Eff Rg	3,555	7.1"	6	5

RF	Port	1	1	1	0	0
9	Stbd	1	1	1	0	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF3	None				
Max Rg					
Eff Rg					

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	400	Oil (ts)	0	Radius (nm/kts)	Search Radar	ASW MORTARS/ATW	DEPTH CHARGES
Engines	HTE		3838	10	None	0	Rack 0
Boilers	4 cylindrical		17		None	0	Ammo 0







# San Francisco (C5)

CL UNITED STATES 1890 to 1902  
5237-0 SAN FRANCISCO Class

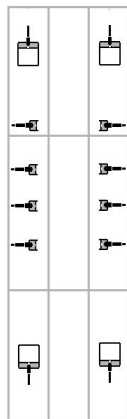
Displacement  
Complement  
Sold 00/00/1939

4,088 ts  
384  
Length 310 ft  
Beam 49 ft  
Draft 18.8 ft  
Union Iron Works  
Launched 10/26/1889  
Completed 11/15/1890



## SHIP LOG SHEET

Version 7/11/2005



12 x 6"/30 Mk 3

17

Max ROF 2.0 sh/min		Range 7,920 yds 15.8"		Shell Size/Weight 6.0" 105.0 lbs.	
Fire Control 2 1T1		FC Radar +0 None		AP COM	SAP HE
AA 0.0	Level S	Ammunition		120 rpg	1440

FIRE CONTROL TABLE										
T Kts	Short	Medium	Long	Extreme						
0 - 9	10	6	6	4	5	3	4	2		
10 - 18	7	4	4	3	3	2	2	1		
19 - 27	5	3	3	2	2	1	2	1		
28 - 36	4	3	3	2	2	1	2	1		
37 - 45	4	2	2	1	2	1	1	1		

AP PENETRATION TABLE																
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000		
ROF	4.0	4.0	4.0	3.7												
Rge	S	S	M	M												
H	0.2	0.3	0.5	0.7												
V	4.8	3.5	2.7	2.3												

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT					
Aircraft	0		Catapult	0	

2   4   6	1   3   5	TORPEDOES			
		TT	6	Ammo	12
		14.2" Howell			
		Damage Class	I		
		Settings			
		400/25			
		600/18			
MINES					
0					

RAPID FIRE BATTERIES						
RF1	4	6pdr/42 57mm				
Max Rg	7,500	15.0"	4	3		
Eff Rg	3,375	6.8"	6	5		
RF 12	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA L	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF2	4	3pdr/47mm Hotchkiss				
Max Rg	7,900	15.8"	4	3		
Eff Rg	3,555	7.1"	6	5		
RF 9	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA L	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						
RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	850	Oil (ts)	0	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES		
Engines	2 HTE			8300 10	None				Rack	0	
Boilers	4 DE			17	None				Ammo	0	





# Bennington (PG4)

PG UNITED STATES 1891 to 1909

5284-0 YORKTOWN Class

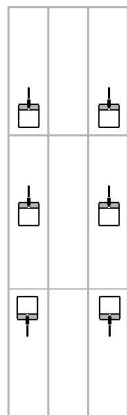
Displacement  
Complement  
Sold 1910

1,710 ts  
187  
Length  
Beam  
Draft  
244 ft  
36 ft  
14 ft  
Delaware River Iron Works  
Launched 06/03/1890  
Completed 06/20/1891



## SHIP LOG SHEET

Version 7/11/2005



6 x 6"/30 Mk 3

17

Max ROF		Range		Shell Size/Weight	
2.0 sh/min		7,920 yds 15.8"		6.0" 105.0 lbs.	
Fire Control		FC Radar		AP SAP	
1 1T1		+ 0 None		COM HE	
AA 0.0		Level S		Ammunition 90 rpg 540	

FIRE CONTROL TABLE										
T Kts	Short		Medium		Long		Extreme			
0 - 9	10	6	6	4	5	3	4	2		
10 - 18	7	4	4	3	3	2	2	1		
19 - 27	5	3	3	2	2	1	2	1		
28 - 36	4	3	3	2	2	1	2	1		
37 - 45	4	2	2	1	2	1	1	1		

AP		PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000		
ROF	4.0	4.0	4.0	3.7												
Rge	S	S	M	M												
H	0.2	0.3	0.5	0.7												
V	4.8	3.5	2.7	2.3												

Crew	Sea	BR	Targ Sz	Ops
			0	

### AIRCRAFT

Aircraft	0	Catapult	0
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### TORPEDOES

TT	0	Ammo	0
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None

Damage Class

Settings

### MINES

0
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### RAPID FIRE BATTERIES

<b>RF1</b>	4	6pdr/42 57mm		
Max Rg	7,500	15.0"	4	3
Eff Rg	3,375	6.8"	6	5

<b>RF</b> <b>12</b>	Port	2	2	1	1	0
	Stbd	2	2	1	1	0

<b>AA</b> <b>L</b>	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

<b>RF2</b>	2	3pdr/47mm Hotchkiss		
Max Rg	7,900	15.8"	4	3
Eff Rg	3,555	7.1"	6	5

<b>RF</b> <b>9</b>	Port	1	1	1	0	0
	Stbd	1	1	1	0	0

<b>AA</b> <b>L</b>	Port	0	0	0	0	0
	Stbd	0	0	0	0	0

<b>RF3</b>	None					
Max Rg						
Eff Rg						

<b>RF</b>	Port					
	Stbd					

<b>AA</b>	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	370	Oil (ts)	0	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES		
Engines	2 HTE				None		0		Rack	0	
Boilers	4 cylindrical				None		0		Ammo	0	





# Yorktown (PG1)

PG UNITED STATES  
5282-0 YORKTOWN Class

1889 to 1909

Displacement  
Complement  
Sold 1921

1,710 ts  
187

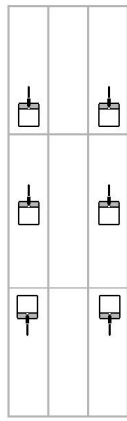
Length 244 ft  
Beam 36 ft  
Draft 14 ft  
Cramp  
Launched  
Completed

04/28/1888  
04/23/1889



## SHIP LOG SHEET

Version 7/11/2005



6 x 6"/30 Mk 3

17

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	7,920 yds	15.8"	6.0"	105.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1T1	None		COM	HE
AA	0.0	Level	S	Ammunition	90 rpg 540

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	10	6	6	4	5	3	4	2	
10 - 18	7	4	4	3	3	2	2	1	
19 - 27	5	3	3	2	2	1	2	1	
28 - 36	4	3	3	2	2	1	2	1	
37 - 45	4	2	2	1	2	1	1	1	

AP		PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000	
ROF	4.0	4.0	4.0	3.7											
Rge	S	S	M	M											
H	0.2	0.3	0.5	0.7											
V	4.8	3.5	2.7	2.3											

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT			
Aircraft	0	Catapult	0

TORPEDOES			
TT	0	Ammo	0

None			
Damage Class			
Settings			

MINES			
0			

### RAPID FIRE BATTERIES

RF1	4	6pdr/42 57mm			
Max Rg	7,500	15.0"	4	3	
Eff Rg	3,375	6.8"	6	5	

RF	Port	2	2	1	1	0
12	Stbd	2	2	1	1	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF2	2	3pdr/47mm Hotchkiss			
Max Rg	7,900	15.8"	4	3	
Eff Rg	3,555	7.1"	6	5	

RF	Port	1	1	1	0	0
9	Stbd	1	1	1	0	0

AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Captain

T#	BTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

Coal (ts)	370	Oil (ts)	0	Radius (nm/kts)	Search Radar		ASW MORTARS/ATW		DEPTH CHARGES		
Engines	2 HTE				None		0		Rack	0	
Boilers	4 cylindrical				None		0		Ammo	0	











# Esmeralda

CA CHILE  
2609-0 ESMERALDA Class

1884 to 1894

Displacement 2,950 ts  
Complement 296  
Sold to Japan 11/15/1894

Length 270 ft  
Beam 42 ft  
Draft 18.5 ft  
Armstrong  
Launched 06/06/1883  
Completed 00/00/1884



## SHIP LOG SHEET

Version 7/10/2005

### 2 x 10"/30 Patterns F, G

31

<b>Max ROF</b> 0.8 sh/min		<b>Range</b> 9,544 yds 19.1"		<b>Shell Size/Weight</b> 10.0" 450.0 lbs.	
<b>Fire Control</b> 1 1Y1		<b>FC Radar</b> None		<b>AP</b> SAP HE	
<b>AA</b> 0.0		<b>Level</b> S	<b>Ammunition</b> 100 rpg		200

### FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme
0 - 9	9 5	5 3	4 2	3 2
10 - 18	6 4	4 2	3 2	2 1
19 - 27	5 3	3 2	2 1	2 1
28 - 36	4 2	2 1	2 1	1 1
37 - 45	3 2	2 1	1 1	1 1

### AP PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
<b>ROF</b>	1.6	1.6	1.6	1.6	1.6									
<b>Rge</b>	S	S	M	M	M									
<b>H</b>	0.3	0.6	0.9	1.2	1.5									
<b>V</b>	8.2	6.4	5.1	4.2	3.8									

### 6 x 6"/26.1 BLR 4-Ton Pattern B

15

<b>Max ROF</b> 4.0 sh/min		<b>Range</b> 6,697 yds 13.4"		<b>Shell Size/Weight</b> 6.0" 78.3 lbs.	
<b>Fire Control</b> 2 2Y1		<b>FC Radar</b> None		<b>AP</b> SAP HE	
<b>AA</b> 0.0		<b>Level</b> S	<b>Ammunition</b> 150 rpg		900

### FIRE CONTROL TABLE

T Kts	Short	Medium	Long	Extreme
0 - 9	7 4	4 3	3 2	2 1
10 - 18	5 3	3 2	2 1	2 1
19 - 27	4 2	2 1	2 1	1 1
28 - 36	3 2	2 1	1 1	1 1
37 - 45	3 2	2 1	1 1	1 1

### AP PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
<b>ROF</b>	7.2	5.4	4.2	3.8										
<b>Rge</b>	S	M	M	M										
<b>H</b>	0.1	0.2	0.4	0.5										
<b>V</b>	3.4	2.4	1.9	1.8										

<b>Crew</b>	<b>Sea</b>	<b>BR</b>	<b>Targ Sz</b> 0	<b>Ops</b>
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### AIRCRAFT

<b>Aircraft</b>	0	<b>Catapult</b>	0
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### TORPEDOES

<b>TT</b>	3	<b>Ammo</b>	6
14" Whitehead			
<b>Damage Class</b>		I	
<b>Settings</b>			
1,000/24			
2,000/16			

### MINES

<b>0</b>			
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### RAPID FIRE BATTERIES

<b>RF1</b>	2	2.2" 6pdr 8cwt QF			
<b>Max Rg</b>	7,500	15.0"		4	3
<b>Eff Rg</b>	3,375	6.8"		6	5

<b>RF</b>	<b>Port</b>	1	1	1	0	0
<b>11</b>	<b>Stbd</b>	1	1	1	0	0
<b>AA</b>	<b>Port</b>	0	0	0	0	0
<b>S</b>	<b>Stbd</b>	0	0	0	0	0

<b>RF2</b>	<b>None</b>					
<b>Max Rg</b>						
<b>Eff Rg</b>						

<b>RF</b>	<b>Port</b>					
<b>0</b>	<b>Stbd</b>					
<b>AA</b>	<b>Port</b>					
	<b>Stbd</b>					

<b>RF3</b>	<b>None</b>					
<b>Max Rg</b>						
<b>Eff Rg</b>						

<b>RF</b>	<b>Port</b>					
	<b>Stbd</b>					
<b>AA</b>	<b>Port</b>					
	<b>Stbd</b>					

Captain \_\_\_\_\_

Ram bow.

T#	BTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RND	HITS

<b>Coal (ts)</b>	600	<b>Oil (ts)</b>	0	<b>Radius (nm/kts)</b>	2200 10	<b>Search Radar</b>	None	<b>ASW WEAPONS</b>			
<b>Engines</b>	HC					<b>None</b>		0	<b>Rack</b>	0	
<b>Boilers</b>	4 cylindrical					<b>None</b>		0	<b>Ammo</b>	0	





TIER	DP	DP	822								Fuel Code								
1/70	82	KTS	18																
2/80	164																		
3/75	247	Engine Rm	2	18	10	0	0	0	0	Standard Turn	Target Sz								
4/85	329	Prop/Shaft	2	18	9	0	0	0	0	60	0								
5/80	411	Boiler Rm	2	18	11	0	0	0	0	Emergency Turn	Searchlights								
6/90	485											90	Port	Stbd					
7/85	559	Speed	00-04 kt	05-07 kt	08-10 kt	11+ kt						Crew							
8/95	633	Increase	5.0	4.0	2.0	1.0													
9/90	707																		
10	781	Bridge Command Rating						Flag Command Rating						Damage Control (DCR)					
10	830											2							

ARMOR	0.90	Actual
1H DECK	2.2	2.4
2H TURRET	0.0	0.0
3H SUPERSTR	0.4	0.5
4V CON	1.8	2.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	2.9	3.3
9V SUPERSTR	0.4	0.4

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER	
																					AF	Obey signals from Flagship
																					AI	Independent Action
																					AX	Battle Stations!
																					AA	Abandon ship!
																					AZ	Strike colors
																					COURSE AND SPEED	
																					CA	Midships steady
																					CP #	Alter course to PORT
																					CS #	Alter course to STARBOARD
																					SF	Ahead full
																					SR#	Revolutions for # knots
																					SA	Full astern
																					SS	All stop
																					ILLUMINATION AND EVASION	
																					EX	Evasive action
																					KX	Lay smoke
																					IS ##	Illuminate using starshell
																					IL #	Illuminate using searchlight
																					TORPEDO AND AIRCRAFT	
																					TR (X)	Prepare to launch torpedoes to (X)
																					TL (X)	Launch torpedoes to (X)
																					VL	Prepare to launch aircraft
																					VX	Launch aircraft
																					PRIMARY BATTERY	
																					B1D	Directed fire as range permits
																					B1V	Coordinated fire
																					B1L	Local control as range permits
																					B1P	Split fire
																					B1C	Change target
																					B1B	Barrage fire as range permits
																					SECONDARY BATTERY	
																					B2D	Directed fire as range permits
																					B2L	Local control as range permits
																					B2P	Split fire
																					B2C	Change target
																					B2B	Barrage fire as range permits
																					RF BATTERY	
																					R5B	Barrage fire as range permits
																					R6B	Barrage fire as range permits
																					R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS																		TURNING SEGMENTS			
KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	DEG OF TURN	SEGMENTS
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0	TO 15	2 Segments*
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	16 TO 45	2 Segments
																				46 TO 90	3 Segments
																				91 TO 135	4 Segments
																				136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING														
T#	Fire	Current Severity			T#	Fire	Current Severity							

FIGHTING SHIPBOARD FIRES			
NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFFECT ON FIRE	ROLL	EFFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity



# Almirante Condell

TB CHILE

1890 to 1900

2986-0 ALMIRANTE LYNCH Class

Displacement Complement Discarded 1920

713 ts 87

Length 230 ft Laird Beam 28 ft Launched Draft 8.3 ft Completed

00/00/1889 00/00/1890



## SHIP LOG SHEET

Version 7/10/2005

TIER	DP
1/70	49
2/80	97
3/75	146
4/85	194
5/80	243
6/90	286
7/85	330
8/95	373
9/90	417
10	461
10	490

DP	485											Crew	Sea	BR	Targ Sz	Ops	
KTS	20														0		
Engine Rooms	1	20	0	0	0	Prop/Shaft	2	20	10	0	0	Boiler Rooms	2	20	12	0	0
Speed	00-04 kt	05-08 kt	09-10 kt	11+ kt		Standard Turn	Emergency Turn	Searchlights									
Increase	5.0	3.0	2.0	1.0		90	120	Port   Stbd									
Bridge Command Rating	Flag Command Rating		Dmg Control (DCR)		Search Radar												
				1	None												

### LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obeysignals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors

### COURSE AND SPEED

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CA	CP #	CS #	SF	SR #	SA	SS
																				CA	Midships steady					
																				CP #	Alter course to PORT					
																				CS #	Alter course to STARBOARD					
																				SF	Ahead full					
																				SR #	Revolutions for # knots					
																				SA	Full astern					
																				SS	All stop					

### ILLUMINATION AND EVASION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	EX	KX	IS ##	IL #
																				EX	Evasive action		
																				KX	Lay smoke		
																				IS ##	Illuminate using starshell		
																				IL #	Illuminate using searchlight		

### TORPEDO AND AIRCRAFT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	TR (X)	TL (X)	VL	VX
																				TR (X)	Prepare to launch torpedoes to (X)		
																				TL (X)	Launch torpedoes to (X)		
																				VL	Prepare to launch aircraft		
																				VX	Launch aircraft		

### RF BATTERY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	R5B	R6B	R7B
																				R5B	Barrage fire as range permits	
																				R6B	Barrage fire as range permits	
																				R7B	Barrage fire as range permits	

### TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

### FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFFECT ON FIRE	ROLL	EFFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity

### SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity

B		TORPEDOES			
		TT	5	Ammo	5
		14" Whitehead			
		Damage Class	I		
		Settings			
		1,000/24 2,000/16			
		MINES			
		0			

### RAPID FIRE BATTERIES

RF1	3	3"/28 12pdr BLR	
Max Rg	5,744	11.5"	4 3
Eff Rg	2,585	5.2"	6 5

RF	Port	2	1	1	0	0
12	Stbd	2	1	1	0	0
AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF2	4	3pdr/47mm Hotchkiss	
Max Rg	7,900	15.8"	4 3
Eff Rg	3,555	7.1"	6 5

RF	Port	2	2	1	1	0
9	Stbd	2	2	1	1	0
AA	Port	0	0	0	0	0
L	Stbd	0	0	0	0	0

RF3	None	
Max Rg		
Eff Rg		

RF	Port				
	Stbd				
AA	Port				
	Stbd				

### ASW WEAPONS

0	Rack	0
0	Ammo	0

Fuel Code	Radius (nm/mts)	
Engines	TE	
Boilers	4 locomotive	

Captain										
T#	BTTY	TARGET SHIP	SHELL	FCS	BR	RANGE	R	#RNDS	HITS	H

T#	DE #	SEVERITY	DESCRIPTION

Coal (ts)	150	Oil (ts)	0
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