



Pittsburgh (ACR4)

CA UNITED STATES 1916 to 1918

2216-2 PENNSYLVANIA Class

Displacement
Complement
Sold 1931

13,680 ts
829
Length 504 ft
Beam 70 ft
Draft 24 ft
Cramp
Launched 08/22/1903
Completed 03/09/1905



SHIP LOG SHEET

Version 2/19/2009



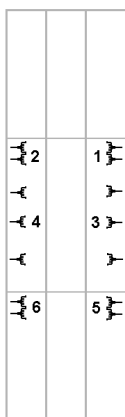
4 x 8"/45 Mk 6

24

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	22,500 yds	45.0"	8.0"	260.0 lbs.
Fire Control		FC Radar		AP	SAP
2	1J2			COM	HE
AA	0.0	Level	S	Ammunition	
				100 rpg	400

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	19	12	14	9	11	7	9	6	
10 - 18	13	8	10	6	8	5	7	4	
19 - 27	11	7	8	5	6	4	5	3	
28 - 36	9	6	7	4	5	3	5	3	
37 - 45	8	5	6	4	5	3	4	3	

APC 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	4.0	4.0	3.9	3.2	2.7	2.2	2.1				
Rge	S	S	S	S	M	M	M	L	L	L				
H	0.2	0.4	0.6	0.7	0.8	0.9	1.1	1.4	1.9	2.2				
V	13.9	12.2	10.6	9.2	7.9	6.8	5.6	4.0	3.7	3.6				



14 x 6"/50 Mk 6, 8

17

Max ROF		Range		Shell Size/Weight	
6.0	sh/min	15,000 yds	30.0"	6.0"	105.0 lbs.
Fire Control		FC Radar		AP	SAP
2	2S1			COM	HE
AA	0.0	Level	S	Ammunition	
				150 rpg	2100

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	9	6	6	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	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	7.8	6.6	5.6	4.7	4.0	3.4	2.7							
Rge	S	S	S	M	M	M	L							
H	0.1	0.2	0.4	0.5	0.7	0.9	1.3							
V	7.5	6.0	4.7	3.7	2.9	2.5	2.1							

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

Renamed PITTSBURGH 8/27/1912.

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	2	Ammo	6
17.7" Mark 5			
Damage Class	H		
Settings			
1,000/40			
2,000/36			
4,000/27			
MINES			
0			

RAPID FIRE BATTERIES

RF1	2	3"/23.5 Mk 4, 14		
Max Rg	8,800	17.6"	7	5
Eff Rg	3,960	7.9"	11	8

RF	Port	1	1	1	0	0
14	Stbd	1	1	1	0	0

AA	Port	1	1	1	0	0
M	Stbd	1	1	1	0	0

RF2	18	3"/50 Mk 2,3		
Max Rg	7,000	14.0"	5	4
Eff Rg	3,150	6.3"	8	6

RF	Port	9	7	5	3	1
18	Stbd	9	7	5	3	1

AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	2000	Oil (ts)	0	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	VTE			6840	10			None		Rack	0
Boilers	16 B&W							None		Ammo	0



Pittsburgh (ACR4)

CA UNITED STATES 1919 to 1921

2216-3 PENNSYLVANIA Class

Displacement
Complement
Sold 1931

13,680 ts
829
Length 504 ft
Beam 70 ft
Draft 24 ft
Cramp
Launched 08/22/1903
Completed 03/09/1905



SHIP LOG SHEET

Version 2/19/2009



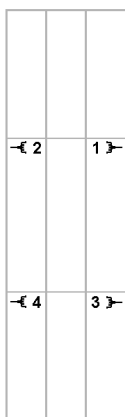
4 x 8"/45 Mk 6

24

Max ROF		Range		Shell Size/Weight	
2.0	sh/min	22,500 yds	45.0"	8.0"	260.0 lbs.
Fire Control		FC Radar		AP	SAP
2	1J2			COM	HE
AA	0.0	Level	S	Ammunition	
				100 rpg	400

FIRE CONTROL TABLE										
T Kts	Short	Medium	Long	Extreme						
0 - 9	19	12	14	9	11	7	9	6		
10 - 18	13	8	10	6	8	5	7	4		
19 - 27	11	7	8	5	6	4	5	3		
28 - 36	9	6	7	4	5	3	5	3		
37 - 45	8	5	6	4	5	3	4	3		

APC		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	4.0	4.0	3.9	3.2	2.7	2.2	2.1									
Rge	S	S	S	S	M	M	M	L	L	L									
H	0.2	0.4	0.6	0.7	0.8	0.9	1.1	1.4	1.9	2.2									
V	13.9	12.2	10.6	9.2	7.9	6.8	5.6	4.0	3.7	3.6									



4 x 6"/50 Mk 6, 8

17

Max ROF		Range		Shell Size/Weight	
6.0	sh/min	15,000 yds	30.0"	6.0"	105.0 lbs.
Fire Control		FC Radar		AP	SAP
2	2S1			COM	HE
AA	0.0	Level	S	Ammunition	
				150 rpg	600

FIRE CONTROL TABLE										
T Kts	Short	Medium	Long	Extreme						
0 - 9	9	6	6	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	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	7.8	6.6	5.6	4.7	4.0	3.4	2.7												
Rge	S	S	S	M	M	M	L												
H	0.1	0.2	0.4	0.5	0.7	0.9	1.3												
V	7.5	6.0	4.7	3.7	2.9	2.5	2.1												

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

Renamed PITTSBURGH 8/27/1912.

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	2	Ammo	6
17.7" Mark 5			
Damage Class	H		
Settings			
1,000/40			
2,000/36			
4,000/27			
MINES			
0			

RAPID FIRE BATTERIES

RF1	2	3"/23.5 Mk 4, 14		
Max Rg	8,800	17.6"	7	5
Eff Rg	3,960	7.9"	11	8

RF	Port	1	1	1	0	0
14	Stbd	1	1	1	0	0

AA	Port	1	1	1	0	0
M	Stbd	1	1	1	0	0

RF2	10	3"/50 Mk 2,3		
Max Rg	7,000	14.0"	5	4
Eff Rg	3,150	6.3"	8	6

RF	Port	5	4	3	2	1
18	Stbd	5	4	3	2	1

AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	2000	Oil (ts)	0	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	VTE			6840	10			None		Rack	0
Boilers	16 B&W							None		Ammo	0



South Dakota (ACR9)

CA UNITED STATES 1919 to 1927

2221-3 PENNSYLVANIA Class

Displacement
Complement
Sold 1930

13,680 ts Length 504 ft
829 Beam 70 ft Union Iron Works
Draft 24 ft Launched 07/21/1904
Completed 01/27/1908



SHIP LOG SHEET

Version 2/19/2009



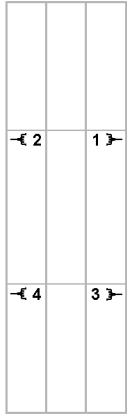
4 x 8"/45 Mk 6

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Max ROF		Range		Shell Size/Weight	
2.0	sh/min	22,500 yds	45.0"	8.0"	260.0 lbs.
Fire Control		FC Radar		AP	SAP
2	1J2			COM	HE
AA	0.0	Level	S	Ammunition	
				100 rpg	400

FIRE CONTROL TABLE										
T Kts	Short	Medium	Long	Extreme						
0 - 9	19	12	14	9	11	7	9	6		
10 - 18	13	8	10	6	8	5	7	4		
19 - 27	11	7	8	5	6	4	5	3		
28 - 36	9	6	7	4	5	3	5	3		
37 - 45	8	5	6	4	5	3	4	3		

APC		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	4.0	4.0	3.9	3.2	2.7	2.2	2.1									
Rge	S	S	S	S	M	M	M	L	L	L									
H	0.2	0.4	0.6	0.7	0.8	0.9	1.1	1.4	1.9	2.2									
V	13.9	12.2	10.6	9.2	7.9	6.8	5.6	4.0	3.7	3.6									



4 x 6"/50 Mk 6, 8

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Fire Control		FC Radar		AP	SAP
2	2S1			COM	HE
AA	0.0	Level	S	Ammunition	
				150 rpg	600

FIRE CONTROL TABLE										
T Kts	Short	Medium	Long	Extreme						
0 - 9	9	6	6	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	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	7.8	6.6	5.6	4.7	4.0	3.4	2.7												
Rge	S	S	S	M	M	M	L												
H	0.1	0.2	0.4	0.5	0.7	0.9	1.3												
V	7.5	6.0	4.7	3.7	2.9	2.5	2.1												

Crew	Sea	BR	Targ Sz	Ops
			1	

Captain

Renamed HURON 6/7/1920.

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	2	Ammo	6
17.7" Mark 5			
Damage Class	H		
Settings			
1,000/40			
2,000/36			
4,000/27			
MINES			
0			

RAPID FIRE BATTERIES

RF1	2	3"/23.5 Mk 4, 14	
Max Rg	8,800	17.6"	7 5
Eff Rg	3,960	7.9"	11 8

RF	Port	1	1	1	0	0
14	Stbd	1	1	1	0	0

AA	Port	1	1	1	0	0
M	Stbd	1	1	1	0	0

RF2	10	3"/50 Mk 2,3	
Max Rg	7,000	14.0"	5 4
Eff Rg	3,150	6.3"	8 6

RF	Port	5	4	3	2	1
18	Stbd	5	4	3	2	1

AA	Port	0	0	0	0	0
S	Stbd	0	0	0	0	0

RF3	None					
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	2000	Oil (ts)	0	Radius (nm/kts)		Search Radar		ASW MORTARS/ATW		DEPTH CHARGES	
Engines	VTE			6840	10			None		Rack	0
Boilers	16 B&W							None		Ammo	0

