St. Andrew

BB GREAT BRITAIN 1921 PLAN

5668-0 N3 Class

Displacement	48,500 ts	*Length*	820 ft
Complement	1500	*Beam*	106 ft
		Draft	32 ft

Launched

Completed

SEEKRIEG 5

SHIP LOG SHEET

Version 9/10/2005

9 x 18"/45 Mk II — 66

Max ROF	Range	Shell Size/Weight
1.5 sh/min	43,946 yds 87.9"	18.0" 2916.2 lbs.

Fire Control	FC Radar	
1 1F3	None	+ 0

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	100 rpg	900

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	23	16	18	13	15	11	14	10
10 - 18	18	12	14	10	12	8	10	7
19 - 27	15	11	12	8	10	7	9	6
28 - 36	13	9	10	7	9	6	8	5
37 - 45	12	9	10	7	8	6	7	5

APCBC — 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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.4	2.2	1.9	1.7	1.6
Rge	S	S	S	S	S	M	M	M	M	M	L	L	L	L
H	0.8	1.5	1.9	2.3	2.7	2.9	3.3	3.7	4.1	4.5	5.0	5.9	7.1	9.0
V	39.3	36.9	34.7	32.5	30.5	28.6	25.9	23.5	21.4	19.7	18.3	17.0	15.9	14.6

16 x 6"/50 BL Mk XXII — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	25,800 yds 51.6"	6.0" 100.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	150 rpg	2400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

CPCBC — 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	7.9	6.8	5.8	5.0	4.3	3.7	2.9	2.3	1.9	1.5	1.3			
Rge	S	S	S	S	M	M	L	L	E	E	E			
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.4	2.7			
V	10.7	8.9	7.3	5.9	4.6	3.6	2.3	2.1	2.1	2.2	2.2			

6 x 4.7"/40 QF Mk VIII — 12

Max ROF	Range	Shell Size/Weight
12.0 sh/min	16,160 yds 32.3"	4.7" 50.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	200 rpg	1200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

HE — 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	7.6	6.2	4.9	4.0	3.2	2.7	2.0	1.6						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.8	1.5	1.8						
V	5.7	3.9	2.8	2.3	1.6	1.5	1.4	1.3						

Coal (ts)	0	Oil (ts)	5000
Engines	Brown-Curtis SRGT		
Boilers	8 Admiralty		

Radius (nm/kts)	

Search Radar
None
None

ASW MORTARS/ATW		

DEPTH CHARGES		
Rack		
Ammo		

Crew	Sea	BR	Targ Sz	Ops
			3	

AIRCRAFT

Aircraft	0			Catapult	0	

P S

TORPEDOES

TT	2	Ammo	14

24.5" Mk I

Damage Class	C

Settings

15,000/35

20,000/30

MINES

RAPID FIRE BATTERIES

RF1	40	2pdr QF Mk I,II			
Max Rg	3,800	7.6"		7	5
Eff Rg	1,710	3.4"		11	8

RF						
10	Port	20	16	11	7	3
	Stbd	20	16	11	7	3
AA	Port	113	90	62	37	17
L	Stbd	113	90	62	37	17

RF2		None				
Max Rg						
Eff Rg						
RF	Port					
0	Stbd					
AA	Port					
	Stbd					

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

Captain	

Final design from the L, M and N battleship design studies of 1922. Name doubtful.

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

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St. Andrew

TIER	DP
1/70	400
2/80	800
3/75	1200
4/85	1600
5/80	2001
6/90	2361
7/85	2721
8/95	3081
9/90	3441
10	3801
10	4041

DP	4001								
KTS	23								

Engine Rm	2	23	13	0	0	0	0
Prop/Shaft	2	23	12	0	0	0	0
Boiler Rm	2	23	14	0	0	0	0
			0	0	0	0	0

Standard Turn	
30	
Emergency Turn	
45	

Target Sz	
3	
Searchlights	
Port	Stbd

Speed	00-16 kt	17+ kt				
Increase	3.0	1.0				

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
10				

Fuel Code	

ARMOR	1.00	Actual
1H DECK	8.0	8.0
2H TURRET	8.0	8.0
3H SUPERSTR	4.6	4.6
4V CON	15.0	15.0
5V BELT MID	15.0	15.0
6V BELT END	0.0	0.0
7V BARBETTE	15.0	15.0
8V TURRET	18.0	18.0
9V SUPERSTR	6.3	6.3

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
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

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

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

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

St. David

BB GREAT BRITAIN 1921 PLAN

5243-0 N3 Class

Displacement	48,500 ts	*Length*	820 ft
Complement	1500	*Beam*	106 ft
		Draft	32 ft

Launched

Completed

SEEKRIEG 5

SHIP LOG SHEET

Version 9/10/2005

9 x 18"/45 Mk II — 66

Max ROF	Range	Shell Size/Weight
1.5 sh/min	43,946 yds 87.9"	18.0" 2916.2 lbs.

Fire Control	FC Radar	
1 1F3	None	+ 0

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	100 rpg	900

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	23	16	18	13	15	11	14	10
10 - 18	18	12	14	10	12	8	10	7
19 - 27	15	11	12	8	10	7	9	6
28 - 36	13	9	10	7	9	6	8	5
37 - 45	12	9	10	7	8	6	7	5

APCBC — 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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.4	2.2	1.9	1.7	1.6
Rge	S	S	S	S	S	M	M	M	M	M	L	L	L	L
H	0.8	1.5	1.9	2.3	2.7	2.9	3.3	3.7	4.1	4.5	5.0	5.9	7.1	9.0
V	39.3	36.9	34.7	32.5	30.5	28.6	25.9	23.5	21.4	19.7	18.3	17.0	15.9	14.6

16 x 6"/50 BL Mk XXII — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	25,800 yds 51.6"	6.0" 100.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	150 rpg	2400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

CPCBC — 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	7.9	6.8	5.8	5.0	4.3	3.7	2.9	2.3	1.9	1.5	1.3			
Rge	S	S	S	S	M	M	L	L	E	E	E			
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.4	2.7			
V	10.7	8.9	7.3	5.9	4.6	3.6	2.3	2.1	2.1	2.2	2.2			

6 x 4.7"/40 QF Mk VIII — 12

Max ROF	Range	Shell Size/Weight
12.0 sh/min	16,160 yds 32.3"	4.7" 50.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	200 rpg	1200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

HE — 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	7.6	6.2	4.9	4.0	3.2	2.7	2.0	1.6						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.8	1.5	1.8						
V	5.7	3.9	2.8	2.3	1.6	1.5	1.4	1.3						

Coal (ts)	0	Oil (ts)	5000
Engines	Brown-Curtis SRGT		
Boilers	8 Admiralty		

Radius (nm/kts)	

Search Radar
None
None

ASW MORTARS/ATW		

DEPTH CHARGES		
Rack		
Ammo		

Crew	Sea	BR	Targ Sz	Ops
			3	

AIRCRAFT

Aircraft	0			Catapult	0	

P S

TORPEDOES

TT	2	Ammo	14

24.5" Mk I

Damage Class	C

Settings

15,000/35

20,000/30

MINES

RAPID FIRE BATTERIES

RF1	40	2pdr QF Mk I,II			
Max Rg	3,800	7.6"		7	5
Eff Rg	1,710	3.4"		11	8

RF						
10	Port	20	16	11	7	3
	Stbd	20	16	11	7	3
AA	Port	113	90	62	37	17
L	Stbd	113	90	62	37	17

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

Final design from the L, M and N battleship design studies of 1922. Name doubtful.

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

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St. David

TIER	DP
1/70	400
2/80	800
3/75	1200
4/85	1600
5/80	2001
6/90	2361
7/85	2721
8/95	3081
9/90	3441
10	3801
10	4041

DP	4001								
KTS	23								

Engine Rm	2	23	13	0	0	0	0
Prop/Shaft	2	23	12	0	0	0	0
Boiler Rm	2	23	14	0	0	0	0
			0	0	0	0	0

Standard Turn	
30	
Emergency Turn	
45	

Target Sz	
3	
Searchlights	
Port	Stbd

Speed	00-16 kt	17+ kt				
Increase	3.0	1.0				

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
10				

Fuel Code	

ARMOR	1.00	Actual
1H DECK	8.0	8.0
2H TURRET	8.0	8.0
3H SUPERSTR	4.6	4.6
4V CON	15.0	15.0
5V BELT MID	15.0	15.0
6V BELT END	0.0	0.0
7V BARBETTE	15.0	15.0
8V TURRET	18.0	18.0
9V SUPERSTR	6.3	6.3

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
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

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

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

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT 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

St. George

BB GREAT BRITAIN 1921 PLAN

5226-0 N3 Class

Displacement	48,500 ts	*Length*	820 ft
Complement	1500	*Beam*	106 ft
		Draft	32 ft

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Completed

SEEKRIEG 5

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Version 9/10/2005

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Max ROF	Range	Shell Size/Weight
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Fire Control	FC Radar	+ 0
1 / 1F3	None	

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	100 rpg	900

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	23	16	18	13	15	11	14	10
10 - 18	18	12	14	10	12	8	10	7
19 - 27	15	11	12	8	10	7	9	6
28 - 36	13	9	10	7	9	6	8	5
37 - 45	12	9	10	7	8	6	7	5

APCBC 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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.4	2.2	1.9	1.7	1.6
Rge	S	S	S	S	S	M	M	M	M	M	L	L	L	L
H	0.8	1.5	1.9	2.3	2.7	2.9	3.3	3.7	4.1	4.5	5.0	5.9	7.1	9.0
V	39.3	36.9	34.7	32.5	30.5	28.6	25.9	23.5	21.4	19.7	18.3	17.0	15.9	14.6

16 x 6"/50 BL Mk XXII — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	25,800 yds 51.6"	6.0" 100.0 lbs.

Fire Control	FC Radar	+ 0
2 / 2G3	None	

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	150 rpg	2400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

CPCBC 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	7.9	6.8	5.8	5.0	4.3	3.7	2.9	2.3	1.9	1.5	1.3			
Rge	S	S	S	S	M	M	L	L	E	E	E			
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.4	2.7			
V	10.7	8.9	7.3	5.9	4.6	3.6	2.3	2.1	2.1	2.2	2.2			

6 x 4.7"/40 QF Mk VIII — 12

Max ROF	Range	Shell Size/Weight
12.0 sh/min	16,160 yds 32.3"	4.7" 50.0 lbs.

Fire Control	FC Radar	+ 0
2 / 2G3	None	

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	200 rpg	1200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

HE 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	7.6	6.2	4.9	4.0	3.2	2.7	2.0	1.6						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.8	1.5	1.8						
V	5.7	3.9	2.8	2.3	1.6	1.5	1.4	1.3						

Coal (ts)	0	Oil (ts)	5000
Engines	Brown-Curtis SRGT		
Boilers	8 Admiralty		

Radius (nm/kts)	

Search Radar
None
None

ASW MORTARS/ATW		

DEPTH CHARGES		
Rack		
Ammo		

Crew	Sea	BR	Targ Sz	Ops
			3	

AIRCRAFT

Aircraft	0			Catapult	0	

P S

TORPEDOES

TT	2	Ammo	14

24.5" Mk I

Damage Class	C

Settings

15,000/35

20,000/30

MINES

RAPID FIRE BATTERIES

RF1	40	2pdr QF Mk I,II			
Max Rg	3,800	7.6"		7	5
Eff Rg	1,710	3.4"		11	8

RF 10						
	Port	20	16	11	7	3
	Stbd	20	16	11	7	3
AA L	Port	113	90	62	37	17
	Stbd	113	90	62	37	17

RF2		None				
Max Rg						
Eff Rg						

RF 0						
	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None				
Max Rg						
Eff Rg						

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

Final design from the L, M and N battleship design studies of 1922. Name doubtful.

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

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St. George

TIER	DP
1/70	400
2/80	800
3/75	1200
4/85	1600
5/80	2001
6/90	2361
7/85	2721
8/95	3081
9/90	3441
10	3801
10	4041

DP	4001								
KTS	23								

Engine Rm	2	23	13	0	0	0	0
Prop/Shaft	2	23	12	0	0	0	0
Boiler Rm	2	23	14	0	0	0	0
			0	0	0	0	0

Standard Turn	
30	
Emergency Turn	
45	

Target Sz	
3	
Searchlights	
Port	Stbd

Speed	00-16 kt	17+ kt				
Increase	3.0	1.0				

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
10				

Fuel Code	

ARMOR	1.00	Actual
1H DECK	8.0	8.0
2H TURRET	8.0	8.0
3H SUPERSTR	4.6	4.6
4V CON	15.0	15.0
5V BELT MID	15.0	15.0
6V BELT END	0.0	0.0
7V BARBETTE	15.0	15.0
8V TURRET	18.0	18.0
9V SUPERSTR	6.3	6.3

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
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

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

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

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT 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

St. Patrick

BB GREAT BRITAIN 1921 PLAN

5238-0 N3 Class

Displacement	48,500 ts	*Length*	820 ft
Complement	1500	*Beam*	106 ft
		Draft	32 ft

Launched

Completed

SEEKRIEG 5

SHIP LOG SHEET

Version 9/10/2005

9 x 18"/45 Mk II — 66

Max ROF	Range	Shell Size/Weight
1.5 sh/min	43,946 yds 87.9"	18.0" 2916.2 lbs.

Fire Control	FC Radar	
1 1F3	None	+ 0

AP	SAP
COM	HE

AA	0.0	Level	S	Ammunition	100 rpg	900

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	23	16	18	13	15	11	14	10
10 - 18	18	12	14	10	12	8	10	7
19 - 27	15	11	12	8	10	7	9	6
28 - 36	13	9	10	7	9	6	8	5
37 - 45	12	9	10	7	8	6	7	5

APCBC — 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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.4	2.2	1.9	1.7	1.6
Rge	S	S	S	S	S	M	M	M	M	M	L	L	L	L
H	0.8	1.5	1.9	2.3	2.7	2.9	3.3	3.7	4.1	4.5	5.0	5.9	7.1	9.0
V	39.3	36.9	34.7	32.5	30.5	28.6	25.9	23.5	21.4	19.7	18.3	17.0	15.9	14.6

16 x 6"/50 BL Mk XXII — 16

Max ROF	Range	Shell Size/Weight
6.0 sh/min	25,800 yds 51.6"	6.0" 100.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	150 rpg	2400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

CPCBC — 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	7.9	6.8	5.8	5.0	4.3	3.7	2.9	2.3	1.9	1.5	1.3			
Rge	S	S	S	S	M	M	L	L	E	E	E			
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.4	2.7			
V	10.7	8.9	7.3	5.9	4.6	3.6	2.3	2.1	2.1	2.2	2.2			

6 x 4.7"/40 QF Mk VIII — 12

Max ROF	Range	Shell Size/Weight
12.0 sh/min	16,160 yds 32.3"	4.7" 50.0 lbs.

Fire Control	FC Radar	
2 2G3	None	+ 0

AP	SAP
COM	HE

AA	2.7	Level	V	Ammunition	200 rpg	1200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	11	13	9	11	7	10	6
10 - 18	12	8	10	6	8	5	7	5
19 - 27	11	7	8	6	7	5	6	4
28 - 36	9	6	7	5	6	4	5	4
37 - 45	9	6	7	4	6	4	5	3

HE — 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	7.6	6.2	4.9	4.0	3.2	2.7	2.0	1.6						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.8	1.5	1.8						
V	5.7	3.9	2.8	2.3	1.6	1.5	1.4	1.3						

Coal (ts)	0	Oil (ts)	5000
Engines	Brown-Curtis SRGT		
Boilers	8 Admiralty		

Radius (nm/kts)	

Search Radar
None
None

ASW MORTARS/ATW		

DEPTH CHARGES		
Rack		
Ammo		

Crew	Sea	BR	Targ Sz	Ops
			3	

AIRCRAFT

Aircraft	0			Catapult	0	

P S

TORPEDOES

TT	2	Ammo	14

24.5" Mk I

Damage Class	C

Settings

15,000/35

20,000/30

MINES

RAPID FIRE BATTERIES

RF1	40	2pdr QF Mk I,II			
Max Rg	3,800	7.6"		7	5
Eff Rg	1,710	3.4"		11	8

RF						
10	Port	20	16	11	7	3
	Stbd	20	16	11	7	3
AA	Port	113	90	62	37	17
L	Stbd	113	90	62	37	17

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

Final design from the L, M and N battleship design studies of 1922. Name doubtful.

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

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St. Patrick

TIER	DP
1/70	400
2/80	800
3/75	1200
4/85	1600
5/80	2001
6/90	2361
7/85	2721
8/95	3081
9/90	3441
10	3801
10	4041

DP	4001								
KTS	23								

Engine Rm	2	23	13	0	0	0	0
Prop/Shaft	2	23	12	0	0	0	0
Boiler Rm	2	23	14	0	0	0	0
			0	0	0	0	0

Standard Turn	
30	
Emergency Turn	
45	

Target Sz	
3	
Searchlights	
Port	Stbd

Speed	00-16 kt	17+ kt				
Increase	3.0	1.0				

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
10				

Fuel Code	

ARMOR	1.00	Actual
1H DECK	8.0	8.0
2H TURRET	8.0	8.0
3H SUPERSTR	4.6	4.6
4V CON	15.0	15.0
5V BELT MID	15.0	15.0
6V BELT END	0.0	0.0
7V BARBETTE	15.0	15.0
8V TURRET	18.0	18.0
9V SUPERSTR	6.3	6.3

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
TERTIARY AND RF BATTERY																					
																				B3D	Directed fire as range permits
																				B3L	Local Control as range permits
																				B3P	Split fire
																				B3C	Change target
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

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

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

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity