

Bagley/Gridley

<u>Navy</u>				United States Navy		<u>Date</u>		1942			
<u>Class</u>				Destroyer							
<u>Surface Armament</u>						<u>Ranges</u>		<u>Directors</u>			
Main Battery:		5 inch guns in 4 single mounts				18 inches		Fore			
Torpedoes:		21 inch torpedoes in 4 quadruple mounts				6 inches at 5.50"		Port and starboard			
Maximum Value:		7 through 6/43, 9 after				10 inches at 3.25"					
<u>Speed</u>	4.50	4 boilers	2 engines		<u>Gun</u>	5"	10"	15"	18"	Power	Relia
					5 inch	A/11	8/7	2/3	1/-1	4	A
<u>Flotation</u>	Total: 27	DIW: 14	Sinking: 18								
<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5								

Armament Arrangement



Notes

- Twelve ships in both classes.

Hits

Fuel Oil 1	11-14	Forward Void
Fuel Oil 1	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 2	24	Main B
Fuel Oil 2	25	AAMGs, Bridge
Fuel Oil 2	26	Main Director, Bridge
Fuel Oil 2	31	Bridge
Boiler Room 1	32	Void
Boiler Room 1	33	Search Radar
Boiler Room 1	34	Funnel
Boiler Room 2	35-36	Funnel
Boiler Room 2	41	AAMGs
Engine Room	42-44	Torpedo 1 or 2
Engine Room	45-51	Torpedo 3 or 4
Aft Main Magazine	52	Searchlight
Aft Main Magazine	53	AAMGs
Aft Main Magazine	54-55	Main X
Fuel Oil 3	56	Main X
Fuel Oil 3, Propshaft 1 or 2	61-63	Main Y
Void, Propshaft 1 or 2	64	Void
Steering	65-66	Steering

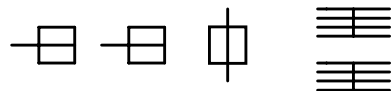
Internal Diagram

FO1 1FP	FM A&B 1FP	FO2 3FP	BR1 B1 B2 5FP	BR2 B3 B4 5FP	ER E1 E2 9FP	AM X&Y 1FP	FO3 1FP	ST 1FP
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Benham

<u>Navy</u>		United States Navy		<u>Date</u>	1942, as refit						
<u>Class</u>		Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>				<u>Directors</u>			
Main Battery:		5 inch guns in 4 single mounts		18 inches				Fore			
Torpedoes:		21 inch torpedoes in 2 quadruple mounts		6 inches at 5.50"				Port and starboard			
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"							
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1		20.5"-22.5": ±3		24": ±5		
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia	
				5 inch	A/11	8/7	2/3	1/-1	4	A	

Armament Arrangement



Notes

- 10 ships in class.
- Shown with the after 2 torpedo mounts removed in favor of added AAMGs. All except Benham and Ellet were modified in this way.

Hits

Fuel Oil 1	11-14	Forward Void
Fuel Oil 1	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 2	24	Main B
Fuel Oil 2	25	AAMGs, Bridge
Fuel Oil 2	26	Main Director, Bridge
Boiler Room 1	31	Bridge
Boiler Room 1	32	Void
Boiler Room 1	33	Search Radar
Boiler Room 1	34	Funnel
Boiler Room 2	35-36	Funnel
Boiler Room 2	41	AAMGs
Engine Room 1	42-44	Torpedo 1 or 2
Engine Room 2	45-51	AAMGs [Torpedo 3 or 4]
Aft Main Magazine	52	Searchlight
Aft Main Magazine	53	AAMGs
Aft Main Magazine	54-55	Main X
Fuel Oil 3	56	Main X
Void	61-62	Main Y
Void, Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

Internal Diagram

FO1 1FP	FM A&B 1FP	FO2 3FP	BR1 B1 B2 6FP	BR2 B3 3FP	ER1 E1 5FP	ER2 E2 5FP	AM X&Y 1FP	FO3 1FP	V 1FP	ST 1FP
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Benson/Gleaves

<u>Navy</u>		United States Navy		<u>Date</u>		1942				
<u>Class</u>		Destroyer								
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>				
Main Battery:		5 inch guns in 5 single mounts		18 inches		Fore				
Torpedoes:		21 inch torpedoes in 1 quintuple mount		6 inches at 5.50"		Port and starboard				
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"						
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5			
<u>Flotation</u>	Total: 27	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia
				5 inch	A/11	8/7	2/3	1/-1	4	A

Armament Arrangement



Notes

- 9 ships in class, including Benson, Gleaves, Lansdale and Plunkett (DD 421-428 and 431).
- Class built with had 5 guns and 10 tubes, but sacrificed one torpedo mount for increased AAMG armament. By 1944, all had had the torpedo mount restored and Main M removed.

Hits

Fuel Oil 1	11-13	Forward Void
Fuel Oil 1	14	Main A
Forward Main Magazine	15-16	Main A
Forward Main Magazine	21-22	Main B
Fuel Oil 2	23	Main B
Fuel Oil 2	24	AAMGs
Fuel Oil 2	25	Bridge
Fuel Oil 2	26	Main Director, Bridge
Boiler Room 1	31	Search Radar
Boiler Room 1	32-33	Funnel
Boiler Room 1	34	Torpedo A
Engine Room 1	35-36	Torpedo A
Boiler Room 2	41-42	Funnel, AAMGs
Boiler Room 2	43	Void
Boiler Room 2	44	Searchlight
Engine Room 2	45	Void
Engine Room 2	46-51	Main M
Aft Main Magazine	52	Main M
Aft Main Magazine	53-55	Main X
Fuel Oil 3, Propshaft 1 or 2	56-62	Main Y
Fuel Oil 3, Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

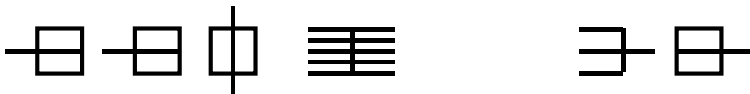
Internal Diagram

FO1 1FP	MM A&B 1FP	FO2 3FP	BR1 B1 B2 5FP	ER1 E1 4FP	BR2 B3 B4 5FP	ER2 E2 4FP	MM XY 1FP	FO3 2FP	ST 1FP
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Bristol

<u>Navy</u>	United States Navy			<u>Date</u>	1942					
<u>Class</u>	Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>				
Main Battery:	5 inch guns in 4 single mounts			18 inches		Fore				
Torpedoes:	21 inch torpedoes in 1 quintuple mount			6 inches at 5.50"		Port and starboard				
Maximum Value:	7 through 6/43, 9 after			10 inches at 3.25"						
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5			
<u>Flotation</u>	Total: 27	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia
				5 inch	A/11	8/7	2/3	1/-1	4	A

Armament Arrangement



Notes

- Many ships in this class.
- Bristols (DD453 and up) built with 4 guns and 10 tubes, but modified to 4 guns and 5 tubes before they saw war service.

Hits

Fuel Oil 1	11-13	Forward Void
Fuel Oil 1	14	Main A
Forward Main Magazine	15-16	Main A
Forward Main Magazine	21-22	Main B
Fuel Oil 2	23	Main B
Fuel Oil 2	24	AAMGs
Fuel Oil 2	25	Bridge
Fuel Oil 2	26	Main Director, Bridge
Boiler Room 1	31	Search Radar
Boiler Room 1	32-33	Funnel
Boiler Room 1	34	Torpedo A
Engine Room 1	35-36	Torpedo A
Boiler Room 2	41-42	Funnel, AAMGs
Boiler Room 2	43	Void
Boiler Room 2	44	Searchlight
Engine Room 2	45	Void
Engine Room 2	46-51	AAMGs
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53-55	Main X
Fuel Oil 3, Propshaft 1 or 2	56-62	Main Y
Fuel Oil 3, Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

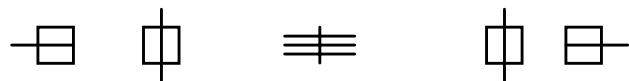
Internal Diagram

FO1 1FP	MM A&B 1FP	FO2 3FP	BR1 B1 B2 5FP	ER1 E1 4FP	BR2 B3 B4 5FP	ER2 E2 4FP	MM XY 1FP	FO3 2FP	ST 1FP
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Butler

<u>Navy</u>		United States Navy		<u>Date</u>	1944						
<u>Class</u>		Escort Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>				<u>Directors</u>			
Main Battery:		5 inch guns in 2 single mounts		18 inches				Fore			
Torpedoes:		21 inch torpedoes in 1 triple mount		6 inches at 5.50"				Port and starboard			
Maximum Value:		9		10 inches at 3.25"							
<u>Speed</u>	3.00	2 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1		20.5"-22.5": ±4		24": ±6		
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia	
				5 inch	A/11	8/7	2/3	1/-1	4	A	

Armament Arrangement



Notes

- Numerous class of USN escort destroyers, with other classes being near twins.
- Directors are Mk 51 – treat as local control at ranges beyond 10 inches.

Hits

Void 1	11-14	Void
Forward Main Magazine	15-21	Main A
Fuel Oil 2	22-24	AAMGs
Fuel Oil 2	25	Bridge, AAMGs
Boiler Room 1	26	Bridge, Forward Main Director
Boiler Room 1	31	Search Radar
Boiler Room 1	32	Void
Engine Room 1	33	Void
Engine Room 1	34-36	Funnel, AAMGs
Boiler Room 2	41	AAMGs
Boiler Room 2	42-43	Torpedo A
Engine Room 2	44-45	Torpedo A
Engine Room 2	46	Aft Main Director
Engine Room 2	51	Void
Fuel Oil 2	52-54	AAMGs
Aft Main Magazine	55	Void
Aft Main Magazine	56-61	Main Y
Void 2	62	Void
Void 2, Propshaft 1 or 2	63-64	AAMGs
Steering	65-66	Steering

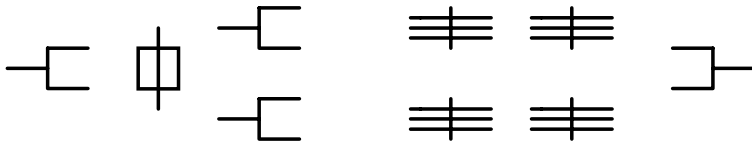
Internal Diagram

V1 1FP	FM A 1FP	FO1 FO 2FP	BR1 B1 4FP	ER1 E1 5FP	BR2 B2 4FP	ER2 E2 5FP	FO2 3FP	PM Y 1FP	V2 1FP	ST 1FP
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Clemson/Wickes

<u>Navy</u>	United States Navy			<u>Date</u>	1941				
<u>Class</u>	Destroyer								
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>			
Main Battery:	4 inch guns in 4 single mounts			14 inches		Fore			
Torpedoes:	21 inch torpedoes in 4 triple mounts			6 inches at 5.50"		Port and starboard			
Maximum Value:	8			10 inches at 3.25"					
<u>Speed</u>	3.75	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±4	24": ±6		
<u>Flotation</u>	Total: 27	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	14"	Power	Relia
				4 inch	A/10	8/7	2/2	3	B

Armament Arrangement



Notes

- Built in the late teens and early 20s, but still serving in the US Asiatic Fleet in 1941.

Hits

Fuel Oil 1	11-13	Void
Fuel Oil 1	15-21	Main A
Fuel Oil 1	22	Void
Forward Main Magazine	23-24	Bridge
Fuel Oil 2	25	Main Director
Boiler Room 1	26	Void
Boiler Room 1	31	Funnel
Boiler Room 1	32	Funnell
Boiler Room 1	33	Funnel
Boiler Room 2	34	Main 1 or 2
Boiler Room 2	35	Main 1 or 2
Boiler Room 2	36	Funnel
Boiler Room 2	41	Torpedo 1 or 2
Engine Room 1	42-43	Torpedo 1 or 2
Engine Room 1	44	Searchlight
Engine Room 2	45-51	Torpedo 3 or 4
Fuel Oil 3	52-53	Void
Aft Main Magazine	54-55	Void
Aft Main Magazine	56	Main X
Fuel Oil 4	61-62	Main X
Fuel Oil 4, Propshaft 1 or 2	63	AAMGs
Fuel Oil 4, Propshaft 1 or 2	64	Void
Steering	65-66	Steering

Internal Diagram

FO1 1FP	FM A,1,2 1FP	FO2 3FP	BR1 B1 B2 4FP	BR2 B3 B4 4FP	ER1 E1 4FP	ER2 E2 4FP	FO3 1FP	AM X 1FP	FO4 1FP	ST 1FP
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Farragut

<u>Navy</u>		United States Navy		<u>Date</u>	1942				
<u>Class</u>		Destroyer							
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>			
Main Battery:		5 inch guns in 4 single mounts		18 inches		Fore			
Torpedoes:		21 inch torpedoes in 2 quadruple mounts		6 inches at 5.50"		Port and starboard			
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"					
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5		
<u>Flotation</u>	Total: 25	DIW: 13	Sinking: 16	<u>Gun</u>	5"	10"	15"	18"	Power
				5 inch	A/11	8/7	2/3	1/-1	Relia
									A

Armament Arrangement



Notes

- First modern USN destroyer class.
- 8 ships in class.
- As modified in 1942 by removal of a midships 5 inch mount and the installation of additional AAMGs.

Hits

Fuel Oil 1	11-14	Forward Void
Forward Main Magazine	15-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 2	24	Main B
Fuel Oil 2	25	AAMGs, Bridge
Fuel Oil 2	26	Main Director, Bridge
Fuel Oil 2	31	Search Radar, Bridge
Boiler Room 1	32-33	Funnel
Boiler Room 1	34	Void
Boiler Room 1	35-36	Funnel
Boiler Room 2	41-42	AAMGs
Engine Room	43	AAMGs
Engine Room	44-46	Torpedo A
Fuel Oil 3	51-53	Torpedo B
Fuel Oil 3	54	AAMGs, Searchlight
Aft Main Magazine	55-61	Main X
Fuel Oil 4, Propshaft 1 or 2	62-64	Main Y
Steering	65-66	Steering

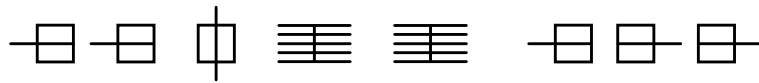
Internal Diagram

FO1 1FP	FM AB 1FP	FO2 2FP	BR1 B1 B2 5FP	BR2 B3 B4 5FP	ER E1 E2 6FP	FO3 1FP	AM XY 1FP	FO4 2FP	ST 1FP
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Fletcher

<u>Navy</u>		United States Navy		<u>Date</u>		1942				
<u>Class</u>		Destroyer								
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>				
Main Battery:		5 inch guns in 5 single mounts		18 inches		Fore				
Torpedoes:		21 inch torpedoes in 2 quintuple mount		6 inches at 5.50"		Port and starboard				
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"						
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5			
<u>Flotation</u>	Total: 30	DIW: 15	Sinking: 20	<u>Gun</u>	5"	10"	15"	18"	Power	Relia
				5 inch	A/11	8/7	2/3	1/-1	4	A

Armament Arrangement



Notes

- Most numerous class of USN fleet destroyers, with 175 ships in the class.
- Most early units built with twin 40mm mounts on the after pilothouse and the fantail. Some of the earliest (viz Fletcher) had one 1.1 inch mount on the pilothouse instead.

Hits

Fuel Oil 1	11-14	Void
Forward Main Magazine	15-21	Main A
Fuel Oil 2	22-24	Main B
Fuel Oil 3	25	Bridge, AAMGs
Fuel Oil 3	26	Bridge, Main Director
Boiler Room 1	31	Search Radar
Boiler Room 1	32-33	Funnel
Engine Room 1	34-36	Torpedo A
Boiler Room 2	41	Searchlight 1 or 2, Funnel
Boiler Room 2	42-43	Torpedo B
Boiler Room 2	44	AAMGs, Torpedo B
Engine Room 2	45	AAMGs, Main M
Engine Room 2	46	Main M
Engine Room 2	51	Main M
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53-55	Main X
Fuel Oil 4	56-62	Main Y
Void, Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering [,AAMGs]

Internal Diagram

FO1 1FP	PM A&B 1FP	FO2 FO 2FP	FO3 FO 2FP	BR1 B1 B2 5FP	ER1 E1 4FP	BR2 B3 B4 5FP	ER2 E2 4FP	PM MXY 1FP	FO4 3FP	V 1FP	ST 1FP
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Livermore

<u>Navy</u>		United States Navy		<u>Date</u>		1942					
<u>Class</u>		Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>			<u>Directors</u>				
Main Battery:		5 inch guns in 4 single mounts		18 inches			Fore				
Torpedoes:		21 inch torpedoes in 2 quintuple mounts		6 inches at 5.50"			Port and starboard				
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"							
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5				
<u>Flotation</u>	Total: 27	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia	
				5 inch	A/11	8/7	2/3	1/-1	4	A	

Armament Arrangement



Notes

- 15 ships in class, including Livermore, Gwin, Meredith, Grayson, Monssen and Nicholson (DD 429-430, 432-444).
- Class built with had 5 guns and 10 tubes, but sacrificed one gun mount for increased AAMG armament.

Hits

Fuel Oil 1	11-13	Forward Void
Fuel Oil 1	14	Main A
Forward Main Magazine	15-16	Main A
Forward Main Magazine	21-22	Main B
Fuel Oil 2	23	Main B
Fuel Oil 2	24	AAMGs
Fuel Oil 2	25	Bridge
Fuel Oil 2	26	Main Director (1-3), Bridge (4-6)
Boiler Room 1	31	Search Radar
Boiler Room 1	32-33	Funnel
Boiler Room 1	34	Torpedo A
Engine Room 1	35-36	Torpedo A
Boiler Room 2	41-42	Funnel (1-3), AAMGs (4-6)
Boiler Room 2	43	Torpedo B
Boiler Room 2	44	Torpedo B
Engine Room 2	45	Torpedo B (1-3), Searchlight (4-6)
Engine Room 2	46-51	AAMGs
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53-55	Main X
Fuel Oil 3 (1-3), Propshaft 1 or 2 (4-6)	56-62	Main Y
Fuel Oil 3 (1-3), Propshaft 1 or 2 (4-6)	63-64	Void
Steering	65-66	Steering

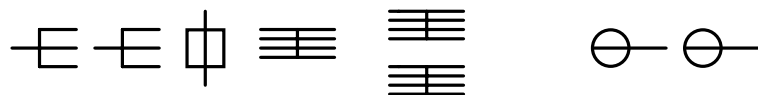
Internal Diagram

FO1	MM	FO2	BR1	ER1	BR2	ER2	MM	FO3	ST
1FP	A&B	3FP	B1	E1	B3	E2	XY	2FP	1FP
	1FP		B2	4FP	B4	4FP	1FP		
			5FP		5FP				

Mahan/Dunlap

<u>Navy</u>		United States Navy		<u>Date</u>	1942						
<u>Class</u>		Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>			<u>Directors</u>				
Main Battery:		5 inch guns in 4 single mounts		18 inches			Fore				
Torpedoes:		21 inch torpedoes in 3 quadruple mounts		6 inches at 5.50"			Port and starboard				
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"							
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5				
<u>Gun</u>	5"	10"	15"	18"	Power	Relia					
Flotation	Total: 29	DIW: 15	Sinking: 20	5 inch	A/11	8/7	2/3	1/-1	4	A	

Armament Arrangement



Notes

- 16 ships in class. *Dunlap* class, with 2 ships, was similar.
- As modified in 1942 by removal of a midships 5 inch mount and the installation of additional AAMGs.

Hits

Fuel Oil 1	11-13	Forward Void
Fuel Oil 1	14-15	Main A
Forward Main Magazine	16	Main A
Forward Main Magazine	21-23	Main B
Fuel Oil 2	24	AAMGs
Fuel Oil 2	25	Bridge
Fuel Oil 2	26	Main Director (1-3), Bridge (4-6)
Fuel Oil 2	31	Search Radar
Boiler Room 1	32-33	Funnel
Boiler Room 1	34	Torpedo A
Boiler Room 2	35-36	Torpedo A
Boiler Room 2	41	Funnel
Engine Room	42	Torpedo 1 or 2 (1-3), Searchlight (4-6)
Engine Room	43-44	Torpedo 1 or 2
Engine Room	45-51	AAMGs
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53-55	Main X
Fuel Oil 3	56	Main Y
Fuel Oil 3 (1-3), Propshaft 1 or 2 (4-6)	61-62	Main Y
Void (1-3), Propshaft 1 or 2 (4-6)	63-64	Void
Steering	65-66	Steering

Internal Diagram

FO1 1FP	FM A&B 1FP	FO2 3FP	BR1 B1 5FP	BR2 B3 B4 5FP	ER E1 E2 9FP	AM X&Y 1FP	FO3 2FP	V 1FP	ST 1FP
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Porter Class

<u>Navy</u>				United States Navy		<u>Date</u>		1941					
<u>Class</u>				Destroyer									
<u>Surface Armament</u>						<u>Ranges</u>			<u>Directors</u>				
Main Battery:		5 inch guns in 4 twin mounts				18 inches			Fore				
Torpedoes:		21 inch torpedoes in 2 quadruple mounts				13 inches at 4.25"			Port and starboard				
Maximum Value:		7 through 6/43, 9 after				16 inches at 2.75"							
<u>Speed</u>	4.50	4 boilers	2 engines		<u>Gun</u>	5"	10"	15"	18"	Power	Relia		
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18		5 inch twin	A/13	8/9	2/5	1/1	4	A		
<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5										

Armament Arrangement



Notes

- Eight Porters were built. They were designed as special "destroyer leaders" with single purpose guns.

Hits

Fuel Oil 1	11-14	Forward Void
Fuel Oil 1	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22-23	Main B
Fuel Oil 2	24	Main B
Fuel Oil 2	25	AAMGs
Fuel Oil 2	26	Bridge
Fuel Oil 2	31	Bridge
Boiler Room 1	32	Main Director
Boiler Room 1	33	Search Radar
Boiler Room 1	34	Funnel
Boiler Room 2	35	Torpedo A
Boiler Room 2	36	Torpedo A
Boiler Room 2	41	Torpedo A
Engine Room 1	42	Funnel
Engine Room 1	42	Torpedo B
Engine Room 1	44	Torpedo B
Engine Room 2	45	Torpedo B
Engine Room 2	46	Searchlight
Engine Room 2	51	Aft Main Director
Aft Main Magazine	52	AAMGs
Aft Main Magazine	53	Main X
Aft Main Magazine	54-55	Main X
Fuel Oil 3	56	Main Y
Fuel Oil 3	61-62	Main Y
Propshaft 1 or 2	63-64	Void
Steering	65-66	Steering

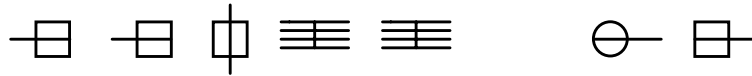
Internal Diagram

FO1 1FP	FM A&B 1FP	FO2 3FP	BR1 B1 5FP	BR2 B2 5FP	ER E1 E2 9FP	AM X&Y 1FP	FO3 1FP	ST 1FP
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Sims

<u>Navy</u>		United States Navy		<u>Date</u>		1942				
<u>Class</u>		Destroyer								
<u>Surface Armament</u>				<u>Ranges</u>		<u>Directors</u>				
Main Battery:		5 inch guns in 4 single mounts		18 inches		Fore				
Torpedoes:		21 inch torpedoes in 2 quadruple mounts		6 inches at 5.50"		Port and starboard				
Maximum Value:		7 through 6/43, 9 after		10 inches at 3.25"						
<u>Speed</u>	4.50	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5			
<u>Flotation</u>	Total: 28	DIW: 14	Sinking: 18	<u>Gun</u>	5"	10"	15"	18"	Power	Relia
				5 inch	A/11	8/7	2/3	1/-1	4	A

Armament Arrangement



Notes

- 12 ships in class.
- Originally had paired torpedo mounts aft and a fifth gun, but these were removed to reduce top-heaviness and permit the addition of AAMGs.

Hits

Fuel Oil 1	11-14	Forward Void
Forward Main Magazine	15	Main A
Forward Main Magazine	16-21	Main A
Forward Main Magazine	22	Main B
Fuel Oil 2	23-24	Main B
Fuel Oil 2	25	AAMGs (1-3), Bridge (4-6)
Fuel Oil 2	26	Main Director (1-3), Bridge (4-6)
Boiler Room 1	31	Bridge
Boiler Room 1	32	Search Radar
Boiler Room 1	33-34	Funnel
Boiler Room 2	35-36	Torpedo A
Engine Room 1	41	Torpedo A
Engine Room 1	42-43	Torpedo B
Engine Room 2	44	Torpedo B
Engine Room 2	45-46	AAMGs (1-3), Searchlight (4-6)
Aft Main Magazine	51	AAMGs (1-3), Searchlight (4-6)
Aft Main Magazine	52	Void
Aft Main Magazine	53-55	Main X
Fuel Oil 3	56	Main Y
Void (1-3), Propshaft 1 or 2 (4-6)	61-62	Main Y
Void (1-3), Propshaft 1 or 2 (4-6)	63-64	Void
Steering	65-66	Steering

Internal Diagram

FO1 2FP	FM AB 2FP	FO2 3FP	BR1 B1 B2 6FP	BR2 B3 3FP	ER1 E1 E2 3FP	ER2 E3 E4 3FP	AM XY 2FP	FO3 1FP	V 2FP	ST 1FP
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Sumner

<u>Navy</u>		United States Navy		<u>Date</u>		1943					
<u>Class</u>		Destroyer									
<u>Surface Armament</u>				<u>Ranges</u>			<u>Directors</u>				
Main Battery:		5 inch guns in 3 twin mounts		18 inches			Fore				
Torpedoes:		21 inch torpedoes in 2 quintuple mount		6 inches at 5.50"			Port and starboard				
Maximum Value:		9		10 inches at 3.25"							
<u>Speed</u>	4.00	4 boilers	2 engines	<u>Torpedo Hits</u>	17.7"-18": ±1	20.5"-22.5": ±3	24": ±5				
<u>Flotation</u>	Total: 30	DIW: 15	Sinking: 20	<u>Gun</u>	5"	10"	15"	18"	Power	Relia	
				5 inch	A/13	8/9	2/5	1/1	4	A	

Armament Arrangement



Notes

- Successors to Fletcher class.
- Seventy ships in class, with another 105 similar (but lengthened) Gearings.

Hits

	Fuel Oil 1	11-13	Void
	Fuel Oil 1	14	Main A
Forward Main Magazine		15-21	Main A
	Fuel Oil 2	22-24	Main B
	Fuel Oil 3	25	Bridge, AAMGs
	Fuel Oil 3	26	Bridge, Main Director
	Boiler Room 1	31	Bridge, Search Radar
	Boiler Room 1	32-33	Funnel, AAMGs
Engine Room 1		34-36	Torpedo A
	Boiler Room 2	41	Void
	Boiler Room 2	42-43	Searchlight, Funnel
	Boiler Room 2	43	Funnel
	Boiler Room 2	44	AAMGs
Engine Room 2		45-51	AAMGs
Aft Main Magazine		52	AAMGs
Aft Main Magazine		53-55	Torpedo B
	Fuel Oil 4	56-62	Main Y
Void, Propshaft 1 or 2		63	Main Y
Void, Propshaft 1 or 2		64	Void
	Steering	65-66	Steering

Internal Diagram

FO1 1FP	PM A&B 1FP	FO2 FO 2FP	FO3 FO 2FP	BR1 B1 B2 5FP	ER1 E1 4FP	BR2 B3 B4 5FP	ER2 E2 4FP	PM MXV 1FP	FO4 3FP	V 1FP	ST 1FP
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