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# ADMIRALTY FLEET ORDER

## DAMAGE CONTROL AND ELECTRICAL REPAIR— ALLOWANCES OF NAVAL STORES

ADMIRALTY, S.W.1.

29th November, 1945.

The following Order having been approved by My Lords Commissioners of the Admiralty is hereby promulgated for information and guidance and necessary action.

By Command of their Lordships,

*J. V. Markham*

*To Commanders-in-Chief, Flag Officers, Senior Naval Officers, Captains and Commanding Officers of H.M. Ships, Vessels and Landing Ships, Superintendents or Officers in Charge of H.M. Naval Establishments, and Admiralty Overseers concerned.*

NOTE :—The scale of distribution is shown in the Admiralty Fleet Order Volume, 1943, Instructions, paragraph 10.

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*Adwards*

6779.—Damage Control and Electrical Repair—Allowances of Naval Stores—  
REPORTS

(N.S. 24273/45.—29 Nov. 1945.)

The Naval Stores to be carried in H.M. ships and vessels for damage control and electrical repair purposes are detailed in the appendices to this Order. Fire-fighting stores are not included, except as shown in remarks column. The allowances are not applicable to merchant ships wearing the Red Ensign.

2. Landing craft are dealt with under separate A.F.Os.

3. The allowances are based on the group to which the ship belongs and the number of damage control or electrical sections into which it is divided. The necessary information is listed as follows:—

Appendix A Groups

Appendix B Damage Control

- Part I General Instructions.
- Part II Damage Control Sections.
- Part III Allowances of Stores on a Sectional Basis.
- Part IV Other Stores.

Appendix C Electrical Repair

- Part I General Instructions.
- Part II Electrical Sections and Allowances of Lockers and Tool Outfits.
- Part III Allowances of Stores per Locker.
- Part IV Allowances of Stores for Tool Outfits.  
(Ships not allowed lockers)

APPENDIX A

GROUPS

Ships are classified into eight groups.

Group 1—Capital Ships.

- Fleet Carriers.
- Light Fleet Carriers.
- “ Unicorn ”.
- “ Perseus ”.
- “ Pioneer ”.

Group 2—Cruisers over 6,000 tons.

- Escort Carriers.
- Hull Repair Ships.
- Aircraft Engine and Component Repair Ships.
- Maintenance Ships (except “ Perseus ”, “ Pioneer ”, “ Kelantan ” and “ Corbrae ”).
- \* { Fleet Repair Ships (“ Wayland ”, “ Resource ”, “ Artifex ”, “ Ausonia ”, “ Alaunia ”, “ Ranpura ”).
- \* { Depot Ships (“ Adamant ”, “ Forth ”, “ Maidstone ”, “ Tyne ”, “ Woolwich ”, “ Blenheim ”, “ Wolfe ”, “ Montclare ”).
- { Landing Ships.

\* H.M. ships of merchant ship construction over 10,000 tons gross; if not of merchant ship construction, over 6,000 tons displacement.

Group 3—Cruisers under 6,000 tons.

- Monitors.
- A/A Ships (ex-Cruisers).
- † { Fleet Repair Ships (nil at present).
- † { Depot Ships (Greenwich).
- { Landing Ships.

† H.M. ships of merchant ship construction over 5,000 tons and under 10,000 tons gross; if not of merchant ship construction, over 3,000 and under 6,000 tons displacement.

Group 4—Flotilla Leaders

- Destroyers
- “ Protector ” and “ Guardian ”
- Fast Minelayers
- Frigates
- Sloops
- Cutters
- L.S.T.(2)
- L.S.T.(3)
- L.S.E.
- F.D.T.13
- F.D.T.217

} Over 1,300 tons. Under 3,000 tons displacement.

H.M. ships of merchant ship construction (including landing ships) over 3,000 tons and under 5,000 tons gross.

Group 5—Escort Destroyers

- Frigates
- Minesweepers
- Corvettes
- Sloops
- Surveying Ships
- A/S Vessels
- Cable Vessels

} If over 800 tons and under 1,300 tons displacement.

H.M. ships of merchant ship construction (including landing ships) over 2,000 tons and under 3,000 tons gross.

Group 6—Corvettes

- Minesweepers
- Minelayers
- A/S Vessels
- Admiralty Design Trawlers.
- River Gunboats.
- S.G.Bs.
- Sea-going tugs over 600 tons.

} If over 500 tons and under 800 tons displacement.

M/S Maintenance Ships (“ Kelantan ” and “ Corbrae ”).

H.M. ships of merchant ship construction over 1,000 tons and under 2,000 tons gross.

H.M. ships not of merchant ship construction over 500 tons and under 800 tons displacement.

Group 7—Vessels of Steel Construction—

- Minesweepers under 500 tons (not M.M.S.).
- Sea-going tugs under 600 tons.
- Trawlers other than those (of steel construction) in Group 6.
- Whalers.
- Drifters.
- B.D.Vs. (self-propelled).
- Controlled minelayers.

Group 8—Vessels of Wood Construction—

- M.M.S.
- M.T.Bs.
- M.G.Bs.
- M.A/S.Bs.
- M.Ls.
- Drifters.
- Trawlers.
- Whalers.
- Yachts (sea-going).

## APPENDIX B

## DAMAGE CONTROL

## Part I—General Instructions

The allowances of stores for damage control purposes in Parts III and IV of this appendix are arranged alphabetically. Stores enumerated in Part III are the allowances per damage control section; stores enumerated in Part IV are the allowances per ship. *Flotilla Leaders and Destroyers are to land two tons of top-weight from upper-deck level to compensate for Damage Control stores. A report of the items landed and their positions should be made to Admiralty (Director of Naval Construction, Bath). No additional stores should be embarked until the top-weight has been surrendered.*

2. Standard pattern lockers in which to stow all except the more bulky stores are included in the list of stores.

The following procedure is to be adopted when demanding lockers:—

(i) Lockers required to complete to allowances laid down for ships in commission should be demanded—

(a) by ships in home waters direct from Director of Stores (N.S.5A), Admiralty, London, and

(b) by ships abroad from the storing yard, by whom requirements should be signalled to Director of Stores (N.S.5A).

Existing non-standard lockers in H.M. ships are to be retained and new lockers are not to be demanded in lieu.

(ii) Ships concerned under construction or conversion—when lockers are required for fitting in place, Overseers should forward demands to the warrant yard in the usual manner. Warrant yards should forward demands to Director of Stores (N.S.5A) to arrange supply.

3. Ships concerned in commission should already be in possession of the majority of the stores listed. Any stores required to complete to allowances given in Parts III and IV of Appendix B—in particular, lamp fittings, Pattern 17074, and torches, Pattern 19570—should be demanded from storing yard or depot. Ships should utilize as far as possible stocks already on board, and unnecessary demands should be avoided.

4. Supply of damage control stores shown in Parts III and IV of this appendix to ships under construction or conversion should be arranged by the warrant yards and supplying yards and depots in the usual manner, unless otherwise indicated. To assist officers storing ships, the stores should be packed separately where possible and issue vouchers, packing notes, packages, etc., marked "Damage Control Stores".

5. *Ships of merchant ship construction are to state their gross tonnages when demanding stores in accordance with this Order.*

6. *Attention is drawn to the instructions given in Part III of Appendix B against use of floodlights, Pattern 17069 and 17081, headlamps, Pattern 16034, and torches, Pattern 54, in dangerous areas where an explosive or inflammable vapour is likely; also to the necessity for sealing safety torches, Pattern 19570, to prevent unauthorized dismantling.*

7. The Sea Store Establishments concerned will be amended.

## Part II—Damage Control Sections

The number of sections in each ship is standardized as follows:—

6 Section—"Vanguard".

5 Section—"King George V" Class.

4 Section—All other Capital Ships.

3 Section—All Aircraft Carriers, "Unicorn", "Perseus" and "Pioneer".

(With one section added for each hangar. *Note.*—Fleet Carriers of "Ark Royal" and "Implacable" Classes and "Indomitable" and "Unicorn" have two hangars.)

Cruisers over 6,000 tons.

Hull Repair Ships.

Aircraft Component and Engine Repair Ships.

Maintenance Ships (except "Perseus", "Pioneer", "Kelantan" and "Corbrae").

{ Fleet Repair Ships ("Wayland", "Resource", "Artifex", "Ausonia", "Alaunia", "Ranpura").  
† Depot Ships ("Adamant", "Forth", "Maidstone", "Tyne", "Woolwich", "Blenheim", "Wolfe" and "Montclare").  
Landing Ships.

† H.M. ships not of merchant ship construction and over 6,000 tons displacement. H.M. ships of merchant ship construction over 10,000 tons gross.

2 Section—Monitors.

Cruisers, under 6,000 tons.

A/A Ships (ex Cruisers).

Depot Ships (Greenwich)

Repair Ships

Landing Ships

} Over 3,000 tons and under 6,000 tons if not of merchant ship construction.

H.M. ships of merchant ship construction over 5,000 tons and under 10,000 tons gross.

\*1 Section—Destroyers.

Fast Minelayers.

Sloops.

Frigates.

Corvettes.

M/S Maintenance Ships ("Kelantan" and "Corbrae").

All other small vessels under Groups 4 to 8.

\* *Note.*—Although these ships are termed "1 Section" ships, their stores should be divided and stowed forward and aft.

APPENDIX B

Part III—Allowance for each Damage Control Section

Permanent or Consumable	Sub-head	Pattern No.	Description	De-nom.	Groups (see Appendix A)								Remarks
					1	2 and 3	4	5	6	7	8		
P	B.11	2 (late C.664)	Adzes, pin-head, 4½-in. ...	No.	1	1	—	—	—	—	—	—	Coastal Force Craft only.
C	B.11	85 (late 9)	Awls, brad, ⅝-in. point ...	"	—	—	—	—	—	—	2		
P	B.11	103 (late C.673)	Axes, junk, 2½-lb., handled ...	"	2	2	4	4	2	1	2		
C	D.4	2	Bags for tools (with letters "D.C." stencilled on outside).	"	3	3	2	2	1	1	2		
P	D.4	1155	Bags, messengers (with letters "D.C." stencilled on outside).	"	2	2	2	2	—	—	—		
C	B.11	143 (late 50)	Bars, pinch, 3-ft. 6-in. × 1-in., round	"	2	2	2	2	1	1	—		
C	B.11	142 (late 51)	Bars, pinch, 3-ft. × ⅞-in. round ...	"	1	1	—	—	—	—	—		
C	B.11	141 (late 52)	Bars, pinch, 2-ft. × ¾-in., round ...	"	1	1	1	1	—	—	—		
—	—	—	Battens for measuring shores ...	"	2	2	2	2	—	—	—	To be produced by ship's staff both for ships in commission and ships under construction.	
P	E.4	—	Beds, camp ...	"	10	5	—	—	—	—	—		
C	B.11	2177 (late C.788)	Blades, hacksaw, 9-in., coarse ...	"	6	6	12	12	6	3	—		
P	E.13	{ 1C 1D	Blocks, single, with becket, 5-in., for 1½-in. rope.	"	1	1	1	—	—	—	—	To be made by ship's staff both for ships in commission and ships under construction.	
—	—	—	Blocks, single, without becket, 5-in., for 1½-in. rope.	"	1	1	1	—	—	—	—		
—	—	—	Boards for use in shoring against hammocks:—	"	1	1	—	—	—	—	—		
—	—	—	4-in. × 3-in. × 1½-in. ...	"	1	1	2	—	—	—	—		
—	—	—	4-ft. × 2-ft. 3-in. × 1½-in. ...	"	1	1	2	—	—	—	—		
—	—	—	3-ft. × 2-ft. 3-in. × 1½-in. ...	"	2	2	2	2	1	—	—		

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—	—	—	Bolsters, canvas, 2-in. diameter:—	No.	1	1	—	—	—	—	—	To be produced by ship's staff, both for ships in commission and ships under construction. (NOT allowed to S.G.Bs.)
—	—	—	20-ft. in length ...	"	1	1	—	—	—	—	—	
—	—	—	16-ft. in length ...	"	1	1	2	2	1	—	—	
—	—	—	12-ft. in length ...	"	1	1	2	2	1	—	—	
C	B.10	6465-6469	8-ft. in length ...	"	1	1	2	—	—	—	—	
—	—	—	Bolts, hook, fully threaded:—	(See under Bolts, hook (Appendix B, Part IV))								
—	—	—	Bolts, steel, with nuts (hexagon heads):—	Lb.	2	1½	1	1	—	—	—	
—	—	—	½-in. × 1-in. long ...	"	2	2	1	1	—	—	—	
—	—	—	⅝-in. × 1½-in. long ...	"	2½	3	—	—	—	—	—	
—	—	—	¾-in. × 1½-in. long ...	"	3	3	2	2	—	—	—	
C	B.2	{ 205A 205A 205A 207A 207A 208A 210A 210A	½-in. × 6-in. long ...	"	5	4	—	—	—	—	—	
—	—	—	½-in. × 9-in. long ...	"	7	5	4	2	—	—	—	
—	—	—	¾-in. × 1½-in. long ...	"	4	3	2	2	—	—	—	
—	—	—	¾-in. × 9-in. long ...	"	6	6	4	2	—	—	—	
—	—	—	¾-in. × 2-in. long ...	"	6	6	4	2	—	—	—	
—	—	—	1-in. × 2-in. long ...	"	7	7	—	—	—	—	—	
—	—	—	1-in. × 4-in. long ...	"	10	10	—	—	—	—	—	
—	—	—	Boxes, steel—device to prevent flooding from splinter holes; sizes overall:—	No.	2	2	2	1	—	—	—	Ships in commission are to manufacture the boxes. For new construction, ship-builders are to arrange supply.
—	—	—	18-in. × 18-in. × 6-in. deep ...	"	2	2	2	1	—	—	—	
—	—	—	16-in. × 16-in. × 5-in. deep ...	"	2	2	2	1	—	—	—	
—	—	—	14-in. × 14-in. × 5-in. deep ...	"	2	2	2	1	—	—	—	
—	—	—	12-in. × 12-in. × 5-in. deep ...	"	2	2	2	1	1	—	—	
C	E.8	—	Candles ...	Lb.	3	3	3	3	2	1	—	
C	D.1	M.N.6	Canvas ...	Yds.	10	6	4	4	3	2	—	
—	—	—	Chisels, flat, 1 in. wide, 10 in. long ...	No.	6	4	2	2	—	—	—	
C	B.11	{ 1072 412 (late C.693)	Chisels, cross cut ...	"	2	2	2	2	—	—	—	
—	—	—	Chisels, firmer ...	"	2	2	2	2	1	1	2	
—	—	—	Clips, "Jubilee" type, for 2-in. hoses...	"	6	6	6	4	2	—	—	
C	B.9	{ 3783 4084 4085	Clips, "Jubilee" type, for 1-in. hoses...	"	6	6	6	4	2	—	—	
—	—	—	Clips, "Jubilee" type, for ½-in. hoses...	"	6	6	6	4	2	—	—	
C	D.5	—	Cordage, sisal, 1½ in. ...	Fthms.	15	15	15	15	—	—	—	
C	E.2(d)	22	Cord, asbestos, 12-thread ...	Lb.	2	2	1	1	—	—	—	
—	—	—	Cramps, screw, 2½-in. capacity ...	No.	6	6	4	4	4	—	—	
P	B.11	{ 503 (late C.537) 504 (late C.538)	Cramps, screw, 3¼-in. capacity ...	"	6	6	4	2	—	—	—	

APPENDIX B—contd.  
Part III—Allowance for each Damage Control Section—contd.

Permanent or Consumable	Sub-head	Pattern No.	Description	De nom.	Groups (see Appendix A)								Remarks
					1	2 and 3	4	5	6	7	8		
C	B.11	4525	Drills, H.S., $\frac{11}{16}$ -in. ... ..	No.	1	1	1	—	—	—	—	Non-pattern flanges to be utilized in lieu where already supplied.	
		4529	Drills, H.S., $\frac{13}{16}$ -in. ... ..	"	1	1	1	—	—	—	—		
		4533	Drills, H.S., $\frac{11}{16}$ -in. ... ..	"	1	1	1	—	—	—	—		
		4537	Drills, H.S., $\frac{9}{16}$ -in. ... ..	"	1	1	1	1	—	—	—		
		4541	Drills, H.S., $\frac{7}{16}$ -in. ... ..	"	1	1	1	1	—	—	—		
C	D.3	4545	Drills, H.S., $\frac{5}{16}$ -in. ... ..	"	1	1	1	1	—	—	—		
		4553	Drills, H.S., $\frac{3}{16}$ -in. ... ..	"	1	1	1	1	—	—	—		
C	B.11	T.54	Fearnought ... ..	Yds.	6	4	4	4	2	—	2		
		763	Files, rough, 12-in. ... ..	No.	2	2	1	1	1	1	—		
C	B.11	(late 228)	Files, round, bastard, 10-in. ... ..	"	2	2	1	1	—	—	—		
		849	Files, square, bastard, 10-in. ... ..	"	2	2	1	1	—	—	—		
C	B.10	(late 79)	Files, square, bastard, 10-in. ... ..	"	2	2	1	1	—	—	—		
		863	Files, square, bastard, 10-in. ... ..	"	2	2	1	1	—	—	—		
		(late 37)	Flanges, blank, for pipes :—	"	2	2	2	2	—	—	—		
		6470	Diameter of flanges, 11 $\frac{1}{2}$ -in. (for 5-in. pipes).	"	2	2	2	2	—	—	—		
		6471	Diameter of flanges, 10 $\frac{1}{2}$ -in. (for 4-in. pipes).	"	2	2	2	2	—	—	—		
		6472	Diameter of flanges, 9-in. (for 3 $\frac{1}{2}$ -in. pipes).	"	2	2	2	2	—	—	—		
P	F.2B	6473	Diameter of flanges, 8-in. (for 3-in. pipes).	"	2	2	2	2	—	—	—		
		6474	Diameter of flanges, 7 $\frac{1}{2}$ -in. (for 2 $\frac{1}{2}$ -in. pipes).	"	2	2	2	2	—	—	—		
		6475	Diameter of flanges, 6 $\frac{1}{2}$ -in. (for 2-in. pipes).	"	2	2	2	2	—	—	—		
		17069	Floodlights, complete with shade, Pattern 19168.	"	2*	2*	—	—	—	—	—		
C	F.2A	6667	Lamps, 200-watt, 220-volt for floodlights,	"	2*	2*	—	—	—	—	* The floodlight is not allowed for hangar sections of aircraft carriers and similar ships. It is not flameproof and should not be used IN AREAS WHERE AN EXPLOSIVE		
		8041	Lamps, 200-watt, 110-volt Pattern 17069	"	2*	2*	—	—	—	—			

**OR INFLAMMABLE**  
vapour is likely.

The allowances (which have been reduced from 3 to 2 per section) include requirements for fire fighting and supersede all previous allowances for damage control and action repair parties. The floodlights, Pattern 17069, which are now rendered surplus should be transferred to the electrical repair parties as part of the allowances given in Parts III and IV of Appendix C of this order. Any floodlights held on board in excess of the total allowances now given for damage control, fire fighting and electrical repair parties should be returned to the nearest dockyard or Naval store depot.

Allowances for Medical Officers are not included in these figures.

\*\* The floodlight is not allowed for hangar sections of aircraft carriers and similar ships. It is not flameproof and should not be used in areas where an explosive or inflammable vapour is likely.

Allowances for machinery spaces and for Medical Officers are not included in these figures.

P	F.2B	17081	Floodlights, battery-operated ... ..	No.	2**	2**	1**	1**	—	—	—
P	F.2A	8117	Accumulators, to complete floodlight, Pattern 17081.	"	12	12	6	6	—	—	—
C	F.2A	16132	Lamp, 12-volt, to complete floodlight, Pattern 17081.	"	2	2	1	1	—	—	—
P	F.2B	17100	Floodlights, flameproof ... ..	See Part IV of this Appendix.							
C	E.11	102	Gloves, leather ... ..	No.	6	4	2	2	—	—	—
C	E.11	103	Gloves, leather ... ..	"	6	4	2	2	—	—	—
C	E.13	24	Gloves, asbestos ... ..	"	2	2	2	2	—	—	—
C	E.12	400	Gloves, indiarubber ... ..	"	2	2	2	2	—	—	—

Permanent or Consumable	Sub-head	Pattern No.	Description	De-nom.	Groups (see Appendix A)								Remarks
					1	2 and 3	4	5	6	7	8		
—	—	—	Gaiters, canvas, for hose repairs ...	No.	3	2	2	2	—	—	—	To be made by ship's staff both for ships in commission and ships under construction. Warrant yards should include a quantity of old hose, if available, in first outfit for new construction.	
C	B.11	1203 (late C.617)	Hammers, engineers' ballpeen, 2-lb., handled.	"	6	4	2	2	2	1	2	Coastal Force craft only.	
C	B.11	1294 (late 85)	Handles for bradawl ...	"	—	—	—	—	—	—	2		
C	E.12	765	Handles for files ...	"	6	6	3	3	1	1	—		
C	E.12	2A	Handspikes ...	"	2	2	2	2	1	—	—		
P	F.2A	16034	Headlamps, miners', complete with batteries, Pattern 14059, and lamps, Pattern 16093.	"	12	12	12	12	6*	2	—	* Minesweepers to have 2 in addition to number shown. The headlamp is not allowed for hangar sections of aircraft carriers and similar ships and should not be used in areas where an explosive or inflammable vapour is likely. The allowances now given include requirements for fire-fighting purposes and supersede all previous allowances for damage control, action repair and fire-fighting parties. Allowances for Medical Officers are not included in these figures. Any headlamps held in excess of these allowances	

C	E.12	337	Helves for adze ...	"	1	1	—	—	—	—	—	are to be transferred to the electrical repair parties to meet the allowances given in Parts III and IV of Appendix C of this Order.	
C	B.11	1440 (late 365)	Irons, caulking, $\frac{1}{8}$ -in. $\times$ $2\frac{1}{2}$ -in. $\times$ 7-in.	"	2	2	1	1	—	—	—		
C	B.11	1511 (late 430)	Knives, corticin ...	"	1	1	1	1	—	—	—		
C	B.11	1529 (late 428)	Knives, shoemakers' ...	"	1	1	—	—	—	—	—		
P	F.2B	17074	Lamp fitting, portable (for use in flooded compartments).	"	1	1*	1*	1*	—	—	—		* Except following:—Landing ships, small depot ships, cable vessels. Cable, Pattern 6051D, should be demanded as required to complete. This is a new allowance.
C	F.2A	{ 6667 or 8041	Lamp, 200-watt, 220-volt } For lamp fitting, Pattern 17074 Lamp, 200-watt, 110-volt }	"	1	1*	1*	1*	—	—	—		
C	B.7	—	Lead, sheet, 2.4-lb. per sq. ft. ...	Lb.	6	4	4	4	—	—	—		† Only to Flotilla Leaders, Destroyers, "Protector" and "Guardian", Fast Minelayers, Sloops, and Landing Ships between 1,300 tons and 3,000 tons displacement (or between 3,000 tons and 5,000 tons gross). (See also Appendix B, Part I, paragraph 2.)
P	B.3	{ 7176 7178 7177	Lockers (damage control), Type "A" Lockers (damage control), Type "C" Lockers (damage control), Type "B"	No.	1	1	—	—	—	—	—		
				"	2	2	2†	2†	—	—	—		
													(See Part IV of this Appendix.)
C	E.8	—	Lubricant, Stauffer's ...	Lb.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	—	—	—	A = Not allowed to S.G.Bs. 4—To Flotilla Leaders and Destroyers, Sloops, Fast Minelayers, Fleet Minesweepers and Corvettes.	
C	E.12	1022	Mallets, tinman's ...	No.	2	2	1	1	—	—	—		
P	D.5	1149	Mats, leak stopping, 4-ft. $\times$ 3-ft. 11-in.	"	3	3	2A	2A	1A	1	—		
P	B.11	1634 (late C.659)	Mauls, 7 $\frac{1}{2}$ -lb., double-headed, handled	"	2	2	2	2	1	—	—		

APPENDIX B—contd.  
Part III—Allowance for each Damage Control Section—contd.

Permanent or Consumable	Sub-head	Pattern No.	Description	De-nom.	Groups (see Appendix A)								Remarks
					1	2 and 3	4	5	6	7	8		
C	B.10	378 379 380 382 384	Nails, spike, die head, 2-in. ...	Lb.	—	—	—	—	—	—	—	10*	
			Nails, spike, die head, 2½-in. ...	"	4	4	4	4	8	2	—	—	
			Nails, spike, die head, 3-in. ...	"	—	—	—	—	—	6	8	—	
			Nails, spike, die head, 4-in. ...	"	20	20	20	20	10	2	5	—	
			Nails, spike, die head, 5-in. ...	"	20	20	20	—	—	—	—	—	
C	B.11	—	Needles, packing ...	No.	2	2	2	2	—	—	—		
C	D.5	—	Oakum, white ...	Lb.	3	3	2	2	2	1	—		
C	D.3	—	Oakum, black ...	"	—	—	—	—	—	—	10*		
C	B.11	2392	Palms, seaming ...	No.	2	1	1	1	—	—	—		
			Patches, 3-ply, with holes for screws and with greased fearnought glued to one side:—										*Coastal Force craft only.
C	E.12	—	4-in. × 4-in. ...	"	—	—	—	—	—	—	4*		
C	E.12	—	6-in. × 6-in. ...	"	—	—	—	—	—	—	4*		
C	E.12	—	12-in. × 9-in. ...	"	—	—	—	—	—	—	4*		
C	E.2(d)	35	Permanite (C.A.F. jointing):—										
			½-in. × 54-in. × 63-in. ...	Shts.	½	½	¼	¼	—	—	—		
			Plates, steel (patches for after action):—										
			5-ft. × 5-ft. × 10-lb. ...	No.	1	1	—	—	—	—	—		
			4-ft. × 4-ft. × 10-lb. ...	"	1	1	—	—	—	—	—		
C	B.2	—	3-ft. × 3-ft. × 10-lb. ...	"	1	1	2	1	—	—	—		
			3-ft. × 3-ft. × 5-lb. ...	"	1	1	2	1	—	—	—		
			6-ft. × 2-ft. 6-in. × 2-5-lb. ...	"	—	—	—	—	1	—	—		
												(Not allowed to S.G.Bs.)	
C	B.10	6460 to 6464	Stoppers, hook, bolt ...										
												(See Part IV of this Appendix.)	
C	B.11	1847 (late 823)	Pliers, 7-in. (side-cutting) ...	"	2	2	2	2	2	—	—		
C	B.11	1841 (late 987)	Pliers, round-nose, 4-in. ...	"	1	1	1	1	—	—	—		

C	E.13	—	Plugs, soft-wood, tapered round section:—											
			1-in. tapered to ½-in., 3-in. long ...	No.	20	20	20	20	20	10	—	—		
			2-in. tapered to 1-in., 6-in. long ...	"	20	20	20	20	20	5	—	—		
			3-in. tapered to 2-in., 6-in. long ...	"	8	8	10	10	10	5	—	—		
			4-in. tapered to 3-in., 8-in. long ...	"	8	6	6	6	6	5	—	—		
			6-in. tapered to 4-in., 12-in. long ...	"	8	6	6	6	6	—	—	—		
			Plugs, soft-wood, tapered square section:—											
			¾-in. tapered to ½-in., 3-in. long ...	"	40	40	30	30	20	—	20*	—		
			1-in. tapered to ¾-in., 3-in. long ...	"	30	30	20	20	20	—	20*	—		
			1½-in. tapered to 1-in., 4-in. long ...	"	20	20	20	20	20	—	20*	—		
2-in. tapered to 1½-in., 6-in. long ...	"	10	10	10	10	10	—	12*	—					
3-in. tapered to 2-in., 6-in. long ...	"	10	10	10	10	10	—	12*	—					
		1927 (late 518C)	Punches, rivet, starting, ½-in. ...	"	1	1	1	1	—	—	—			
		1929 (late 518g)	Punches, rivet, starting, ¾-in. ...	"	1	1	1	—	—	—				
		1931 (late 518l)	Punches, rivet, starting, 1-in. ...	"	1	1	—	—	—	—				
C	B.11	1948 (late 4688)	Punches, round, ⅝-in. ...	"	1	1	2	2	2	—	—			
		2032 (late 1678C)	Punches, wad, ⅝-in. ...	"	1	1	1	1	1	—	—			
		2035 (late 1678)	Punches, wad, ⅞-in. ...	"	1	1	1	1	—	—				
C	E.6	529	Putty, red lead (in tins) ...	Lb.	7	7	7	7	7	—	—			
P	B.11	2137 (late 948)	Rules, steel, 2-ft., twofold ...	No.	1	1	1	1	—	—	—			
P	B.11	2164 (late C.778)	Saws, crosscut, 3-ft. (removable handle) ...	"	1	1	—	—	—	—	—			
P	B.11	2187 (late C.766)	Saws, hand, 26-in. ...	"	3	2	3	3	1	—	1			
C	B.11	2174 (late 4313)	Saws, hack, 9-in., fixed ...	"	3	2	2	2	1	1	—			
P	E.10	101	Scissors ...	"	1	1	1	1	—	—	—			
C	B.11	2278 (late 664)	Screwdrivers, 12-in. × ⅝-in. point ...	"	1	1	1	1	—	—	—			
		2276 (late 666)	Screwdrivers, 6-in. × ⅞-in. point ...	"	2	2	2	2	1	—	2*			
C	B.10	249	Screws, brass (wood, 1¼-in. × 12G) ...	"	—	—	—	—	—	—	288*	* Coastal Force Craft only.		

APPENDIX B—contd.  
Part III—Allowance for each Damage Control Section—contd.

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Permanent or Consumable	Sub-head	Pattern No.	Description	De-nom.	Groups (see Appendix A)								Remarks
					1	2 and 3	4	5	6	7	8		
C	B.11	2315 (late C.551)	Sets, cold, unhandled, 2½-lb. ...	No.	1	1	1	—	—	—	—	Previously described as chisels, cold set, Pattern C.551, and chisels, cold rod, Pattern 1070B, which should continue to be used in lieu where already supplied.	
C	B.11	2316 (late 1070B)	Sets, cold, necked for rod, 1½-in. ...	"	1	1	1	1	1	—	—		
P	B.11	2349 (late 1064)	Shears, tinman's, snip, straight, 12-in.	"	1	1	1	1	1	—	—	For dealing with flooding boundary indicating plugs and air testing fittings.	
C	E.2	—	Sheet asbestos, ½-in. × 4-ft. ...	"	2	2	1	1	—	—	—		
			Sheet indiarubber, ¼-in. × 3-ft. × 4-ft.	"	3	3	2	1	—	—	—		
			Sheet indiarubber, ¼-in. × 3-ft. × 4-ft.	"	2	2	1	1	—	—	—		
		2482B (late 3655)	Spanners, D.E., 7/8-in. × 5/8-in. ...	"	6	6	—	—	—	—	—		
		2506 (late 20A)	Spanners, S.E., 1¼-in. ...	"	6	6	—	—	—	—	—		
C	B.11	2419 (late 3860)	Spanners, adjustable, 6-in. when closed	"	1	1	1	1	2	—	—		
		2421 (late 1451)	Spanners, adjustable, 11-in. when closed	"	2	1	1	1	—	—	—		
P	B.11	6424	Spanners, wheel, 12-in. ...	"	5	4	2	—	—	—	—		Non-pattern spanners to be utilized in lieu where already supplied.
C	D.5	—	Spun yarn, tarred, 20-thread, 5-yarn ...	Lb.	2	2	1	1	—	—	—		
C	B.10	606B	Staples, iron clamp, 6-in. ...	No.	10	10	12	12	4	—	—		
		606C	Staples, iron clamp, 8-in. ...	"	20	10	—	—	—	—	—		
		606D	Staples, iron clamp, 10-in. ...	"	10	10	—	—	—	—	—		
		—	Strops, wire, 2½-in. × 6-ft. long ...	"	1	1	1	—	—	—	—	To be made by ships' staff both for ships in commission and ships under construction.	
		—	Strops, wire, 1-in. × 3-ft. long ...	"	2	2	1	1	—	—	—		
C	E.8	—	Tallow ...	Lb.	7	5	3	3	3	1	5	Sand to prevent slipping on slippery decks.	
P	B.10	21	Tanks, steel (for sand in bags) ...	No.	3	2	—	—	—	—	—		

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C	F.2A	3900	Tape, insulating, ½-in. ...	Yds.	45	45	45	45	—	—	—	* Coastal Force craft only. See A.F.O. 5216/45.  Reserve supply. To be obtained from ship's naval store. ** Not allowed for hangar sections of aircraft carriers and similar ships and NOT to be used in areas where an explosive or inflammable vapour is likely.  Torches, Pattern 4456, have proved unsatisfactory for damage control purposes and the allowance has, therefore, been reduced from 6 to 1 per section and this allowance supersedes all previous allowances for damage control and action repair parties. In lieu of Pattern 4456, torches, Pattern 19570, will be allowed on the basis shown. Torches, Pattern 4456, now rendered surplus should be retained pending receipt of torches, Pattern 19570, but should then be returned to the nearest dockyard or naval store depot. Torches, Pattern 19570, for damage control purposes should be of Messrs. Down's manufacture. To distinguish these from torches of Messrs. Ceag's and G.E.C.'s make, the latter will be designated Pattern 19570S. However, until sufficient torches of
P	D.4	—	Tarpaulin, 9-ft. × 6-ft. (with rope grommets at corners and sides).	No.	—	—	—	—	—	—	1*	
P	F.1C	—	Telephones, portable ...	"	—	—	—	—	—	—	—	
C	F.2B	54	Torch cases ...	"	4**	2**	2	2	2	—	—	
C	F.2A	14074	Batteries, electric torch (3 per Pattern 54 torch).	"	12	6	6	6	6	—	—	
C	F.2A	56A	Bulbs, electric (for Pattern 54 torch) ...	"	4	2	2	2	2	—	—	
P	F.2B	4456	Torches, switchless ...	"	1	1	1	1	—	—	—	
P	F.2B	19570	Torches, safety Wefco type ...	"	6	6	6	6	—	—	—	
C	F.2A	14074	Battery (3 per torch Pattern 19570) ...	"	18	18	18	18	—	—	—	
C	F.2A	56A	Lamp, 4-volt, for torch Pattern 19570	"	6	6	6	6	—	—	—	

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APPENDIX B—contd.  
Part III—Allowance for each Damage Control Section—contd.

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Groups (see Appendix A)								Remarks	
					1	2 and 3	4	5	6	7	8			
		4456 19570 14074 56A —contd.												<p>Messrs. Down's make become available to meet all damage control and electrical repair party requirements, torches, Pattern 19570S, may be issued in lieu.</p> <p>Aircraft Carriers and similar ships are already provided with torches, Pattern 19570. <i>Vide</i> A.F.O. 4381/44.</p> <p>A set of spares, Pattern 19571, for use with torches of Messrs. Down's make may be demanded, if required.</p> <p><i>Torches, Pattern 19570, are not to be dismantled in dangerous areas and bulb and battery replacements must not be effected outside the D.C.H.Q. To prevent this occurring the detachable head should be sealed before issue of torch from the D.C.H.Q. by a suitable wire seal. Holes are provided in the head and body of the torch for this purpose. The attention of all concerned should be drawn to this instruction.</i></p>
C	E.2(C)	C.2432	Tubing, rubber, ½-in. ...	Ft.	15	10	5	5	—	—	—	—	—	
		C.2435	Tubing, rubber, 1-in. ...	"	15	10	10	5	—	—	—	—	—	
		C.2460	Tubing, rubber, 2-in. ...	"	10	6	2	1	—	—	—	—	—	
C	D.3	C.1512	Twine, seaming ...	Lbs.	2	2	1	1	—	—	—	—	—	
		721	Washers, iron, for bolts, 7/16-in.	Lb.	1 1/4	1 1/4	1/2	1/2	—	—	—	—	—	
		721A	Washers, iron, for bolts, 7/16-in.	"	1 1/4	1 1/4	1	1	—	—	—	—	—	
		721G	Washers, iron, for bolts, 7/16-in.	"	2 1/2	2 1/2	1 1/4	1 1/4	—	—	—	—	—	
C	B.10	721H	Washers, iron, for bolts, 11/16-in.	"	1 1/2	1 1/2	1/2	1/2	—	—	—	—	—	
		721J	Washers, iron, for bolts, 11/16-in.	"	1	1	1/2	1/2	—	—	—	—	—	
		721L	Washers, iron, for bolts, 1 1/16-in.	"	1 1/2	1 1/2	—	—	—	—	—	—	—	
		682A	Wedges, steel, 5-lb. ...	No.	1	1	2	2	2	—	—	—	—	
C	B.11	684	Wedges, steel, 7-lb. ...	"	2	2	—	—	—	—	—	—	—	
		2825	Wedges, steel, small ...	"	9	6	6	4	—	—	—	—	—	
C	A	10A	Wedges, beech ...	"	40	40	50	50	20	—	—	—	—	
			Wedges, soft wood:—											
			1-in. W × 1-in. T × 4-in. long	"	40	40	30	30	30	20	24	—	—	
C	E.13		2-in. W × 1-in. T × 5-in. long	"	30	30	20	20	20	10	12	—	—	
			3-in. W × 1-in. T × 6-in. long	"	20	20	20	20	20	10	12	—	—	
			3 1/2-in. W × 2-in. T × 10-in. long	"	20	20	10	10	—	—	—	—	—	
		184A	Whistles ...	"	6	4	2	2	—	—	—	—	—	
C	B.9	1340	Wire, copper, annealed ...	Lb.	1 1/2	1 1/2	1 1/2	1 1/2	—	—	—	—	—	
		1350	Wire, copper, annealed ...	"	1 1/2	1 1/2	1 1/2	1 1/2	—	—	—	—	—	
		—	Wire, steel, galvanized, for seizing, 1 1/4-in.	Fthms.	10	10	5	2	2	—	—	—	—	
C	B.5(a)	—	Wire, steel, galvanized, for seizing, 1/8-in.	"	10	10	5	2	2	—	—	—	—	
C	B.11	3020 (late 1)	Wrenches, footprint, 6-in. ...	No.	2	2	1	1	1	—	—	—	—	
P	B.11	3024 (late 3535)	Wrenches, pipe, Stillson, 18-in. ...	"	3	3	2	2	1	—	—	—	—	Previously described as spanners, Thurley, Pattern 3535, which should continue to be used in lieu where already supplied. Also in lieu of wrenches, Pattern 3023 (previously Pattern 3), which should continue to be used in lieu where already supplied.

This part details stores, the allowances of which are *not* on a sectional basis as in Part III. The stores should in general be dispersed among sections of the ship and stowed where suitable in the lockers.

Allowances per Ship

Per- manent or Con- sumable	Sub- head	Pattern No.	Description	De- nom.	Groups (see Appendix A)								Remarks		
					1	2	3	4	5	6	7	8			
P	B.9(b)	—	Adapters and ferrules for use with No. 4 flex. Bronze oiling hoses for emergency repair of damaged piping.	No.	—	—	—	—	—	—	—	—	—	Allowed to Capital Ships, Aircraft Carriers, Cruisers, Depot and Repair Ships. For allowances see B.R. 358—Establishment of Naval Stores for Executive Purposes.	
P	B.8	4187	Appliances, lifting, Yale :—	No.	1	1	—	—	—	—	—	—	—		
		4188	“ Pul-lift ”, 3-ton ... ..	“	1	1	1	—	—	—	—	—	—		
P	B.11	4189	“ Pul-lift ”, 1½-ton ... ..	“	1	1	1	1	—	—	—	—	—		
		97	“ Pul-lift ”, ¾-ton ... ..	“	1	1	1	1	—	—	—	—	—		
		(late C.670)	Axes, felling, handled, 6-lb. ...	“	3	3	3	2	1	—	—	—	—		
C	B.2	—	Bars, angle (for strongbacks), 2-in. × 2-in. × 4-ft.	“	20	10	8	6	6	—	—	—	—		Holes to be drilled in centre for hook-bolts. *Aircraft Carriers only.
C	B.2	—	Bars, angle (for strongbacks), 3-in. × 3-in. × 15-ft.	“	2*	2*	—	—	—	—	—	—	—		
			Bolts, hook, fully threaded :—												Non-pattern bolts to be utilized in lieu where already supplied.
		6465	½-in. × 12-in. long ... ..	“	24	16	8	4	4	—	—	—	—		
		6466	½-in. × 12-in. long ... ..	“	16	16	8	4	4	—	—	—	—		
C	B.10	6467	½-in. × 9-in. long ... ..	“	16	16	8	4	4	—	—	—	—		
		6468	½-in. × 6-in. long ... ..	“	16	16	16	4	4	—	—	—	—		
P	B.11	—	Cox bolt driving and punching unit.	“	—	—	—	—	—	—	—	—	—	For allowances see A.F.O. 5105/45. Leaders and Destroyers to stow cement below upper deck. To be supplied in tins, Pattern 52.	
C	E.8	—	Cement, rapid hardening ...	Cwt.	40	30	20	5	3	—	—	—	—		

P	B.11	554	Cutters, link, 8-wheel, 2-in.-6-in.	No.	1	1	1	—	—	—	—	—	—	Maximum quantities to be carried for damage control purposes. Not to be exceeded without approval.	
P	B.11	(late 5885) 5886	Cutters, chain, size 6 ... ..	“	1	1	1	—	—	—	—	—	—		
			Deals :—												
C	A	—	9-in. × 3-in. × 16-ft. lengths	Ft.	1,000	800	400	32	16	—	—	—	—		
			9-in. × 2-in. × 16-ft. lengths	“	200	150	100	50	25	—	—	—	—		
P	F.1C	—	Fans, portable, electric, ventilating, 6-in. and leather hoses for (Subhead B.8).	No.	—	—	—	—	—	—	—	—	—		Requirements for damage control purposes are included in the general allowances detailed in the pertinent Sea Store Establishments.
P	F.2B	17100	Floodlight, flameproof, battery-operated.	No.	—	—	—	—	—	—	—	—	—		
P	F.2A	3923	Battery, 6-v. (to complete floodlights, Pattern 17100).	“	6*	6*	—	—	—	—	—	—	—		*Fleet, Light Fleet and Escort Carriers, “Perseus” and “Pioneer”, “Unicorn”, A/C Component repair and A/C engine repair ships only. One spare battery, Pattern 3923, and two spare lamps, Pattern 3924—to be stowed in Naval Store—are allowed for each floodlight.
C	F.2A	3924	Lamp, 6-v. (to complete floodlights, Pattern 17100).	“	—	—	—	—	—	—	—	—	—		
P	B.11	1255	Hammers, sledge, 10-lb., handled	No.	1	1	1	1	1	—	—	—	—		One additional to “Vanguard”.
P	B.8	5	Jacks, hydraulic, 10-ton ...	“	1	1	1	—	—	—	—	—	—		
P	B.8	6	Jacks, hydraulic, 5-ton ...	“	1	1	1	—	—	—	—	—	—		
P	B.3	7177	Lockers, Type B ... ..	“	1	1	1	—	—	—	—	—	—		
P	F.1C	—	Machines, drilling, electric, large	“	1	1	1	1**	—	—	—	—	—	**Not to frigates and L.S.T.(3)	
P	F.1C	—	Machines, drilling, electric, small	“	1	1	1	1**	—	—	—	—	—		
			Planking, grooved and tongued :—											Maximum quantities to be carried for damage control purposes. Not to be exceeded without approval.	
C	A	—	9-in. × 3-in. × 9-ft. to 13-ft.	Ft.	400	400	200	—	—	—	—	—	—		
			6-in. × 1½-in. × 9-ft. to 13-ft.	“	200	200	100	—	—	—	—	—	—		

This part details stores, the allowances of which are *not* on a sectional basis as in Part III. The items should in general be dispersed among sections of the ship and stowed where suitable in the lockers.

Allowances per Ship

Per- manent or Con- sumable	Sub- head	Pattern No.	Description	De- nom.	Groups (see Appendix A)								Remarks	
					1	2	3	4	5	6	7	8		
P	B.3	—	Plant, oxy-acetylene cutting ...	Sets	1†	1†	1	—	—	—	—	—	—	† Allowance to Fleet, Light Fleet and Escort Carriers is 6 sets. Ships to which oxy-acetylene cutting plant is allowed for engineering purposes are to use that equipment for damage control also and no additional equipment will be allowed (except that Fleet, Light Fleet and Escort Carriers are allowed a total of 6 sets of cutting equipment, including that allowed for engineering purposes).
C	A	{ — —	Shores :— 6-in. × 6-in. ... .. 4-in. × 4-in. ... ..	Ft. "	660 350	400 200	60 300	— 150	— 80	—	—	—	—	{ Maximum quantities to be carried for damage control purposes. Not to be exceeded without approval.
P	B.11	7871-7879	Stencil outfit for D.C. markings	Outfits	3	2	2	1	1	—	—	—	—	Not to be stowed in D.C. lockers.
C	B.10	{ 6460 6461 6462 6463 6464	Stoppers, hook-bolt :— 14-in. × 14-in. × 10-lb. ... 12-in. × 12-in. × 10-lb. ... 10-in. × 10-in. × 10-lb. ... 8-in. × 8-in. × 10-lb. ... 6-in. × 6-in. × 10-lb. ...	No. " " " "	5 5 10 10 20	3 3 6 12 15	2 2 4 6 10	2 2 4 6 10	1 1 2 4 4	—	—	—	—	{ Non-pattern stoppers to be utilized in lieu where already supplied.
P	B.11	2753 (late 670A)	Tapes, measuring, 50-ft., in case	"	1	1	1	1	1	—	—	—	—	

C	E.12	—	Transfers for damage control markings.	Sets	—	—	—	—	—	—	—	—	—	See A.F.O. 4625/45.
P	B.11	2959 (late C.515)	Vices, bench, 3½-in. jaws ...	No.	1	1	—	—	—	—	—	—	—	
P	B.11	{ 3017 (late 3784) 3022 (late 3538)	Wrenches, pipe, chain, ¾-in. to 4-in. capacity. Wrenches, pipe, Stillson, 10-in.	" "	1 1	1 1	1 1	1 1	—	—	—	—	—	
<i>Miscellaneous Stores</i>														
P	E.4	{ 3142 R.P.6 A.P.9 — Form S.1562	Chairs, swivel ... .. Chairs, Pel type, tubular steel Chairs, Pel type, tubular steel Stools, Pel type, tubular steel Posters, regulations, for W.T. openings.	"	—	—	—	—	—	—	—	—	—	See A.F.O. 2257/44.
—	—	Form S.1575	Posters, regulations, for W.T. openings.	"	—	—	—	—	—	—	—	—	—	To be demanded from Superintending Naval Store Officer, Park Royal.

## APPENDIX C

## Electrical Repair

## Part I—General Instructions

Electrical repair stores are allowed to major war vessels only.

2. The allowances of naval stores for electrical repair parties have been revised and the revised allowances are given in Parts II–IV of this Appendix as follows:—

Part II—Details of Electrical Sections; also allowances of lockers (or boxes, Pattern 116) and tool outfits.

Part III—Allowances of naval stores for each locker (or box, Pattern 116).

Part IV—Tool outfits for ships not allowed lockers or boxes.

3. Supply of boxes, Pattern 116, for stowage of tools, etc., for electrical repair parties will be discontinued. In future Damage Control lockers, Pattern 7178 or 7179, will be allowed in accordance with the allowances given in Part II of this Appendix. Ships concerned in commission which have been supplied with repair party boxes, Pattern 116, are to retain these in satisfaction of part or the whole of the allowances of lockers but any lockers required to bring the total of boxes, Pattern 116, and D.C. lockers up to the allowances given in Part II should be demanded. The procedure for demanding the lockers is given in paragraph 2 of Appendix B, Part I.

4. The revised allowances of naval stores for each locker or box, Pattern 116, are given in Part III of this Appendix. Ships concerned in commission should demand *in detail* any stores required to complete from their storing yards or depots. The majority of the stores are common consumable items and the fullest use should be made of stores already on board. Ships allowed a tool outfit as given in Part IV of this Appendix should similarly demand to complete as necessary.

5. Ships of merchant ship construction are to state their gross tonnage when demanding stores in accordance with this Order.

6. The stores should be stowed in lockers where allowed. Ships supplied with boxes, Pattern 116, are to arrange stowages convenient for such stores as cannot be stowed therein.

7. Lockers are to be marked with a green shield with the number of the electrical repair section in the centre of the shield and the words "Electrical Repair" over the top of the shield.

8. Supply of lockers with necessary stores or tool outfits to ships concerned under construction should be arranged by warrant yards and supplying yards or depots in accordance with the revised allowances. As it will not be possible to issue the lockers complete with the necessary stores and to assist officers storing ships under construction, the stores for the electrical repair party lockers should be packed separately where possible and issue vouchers, packing notes, packages, etc., marked "Electrical Repair Party Stores".

9. Attention is drawn to the instructions given in Parts III and IV of Appendix C against the use of floodlights, Patterns 17069 and 17081, and headlamps, Pattern 16034, in dangerous areas where an explosive or inflammable vapour is likely: also to the necessity for sealing safety torches, Pattern 19570, to prevent unauthorized dismantling.

10. The Sea Store Establishments concerned will be amended.

## APPENDIX C—(contd.)

## Electrical Repair—contd.

## Part II—Electrical Sections and Allowance of Lockers (or Boxes, Pattern 116) or Tool Outfits

The number of Electrical Sections in each ship and the allowance of lockers, Patterns 7178 or 7179 (or boxes, Pattern 116, in lieu where already supplied), or tool outfits, is standardized as shown hereunder.

## Ships allowed lockers (or boxes, Pattern 116, where already supplied)

Number of Electrical Sections	Ship or Class of Ship	No. of Lockers (or Boxes, Pattern 116) per Section	Total No. of Lockers (or Boxes, Pattern 116) per Ship	Allowance of Stores per Locker or Box
6 Section ...	H.M.S. "Vanguard" ... ..	2 (Pattern 7178).	12 (Pattern 7178).	See Part III of this Appendix.
5 Section ...	"King George V" Class ... ..	2 (Pattern 7178).	10 (Pattern 7178).	
4 Section ...	All other Capital ships ... ..	2 (Pattern 7178).	8 (Pattern 7178).	
3 Section plus two sections for hangar or hangars (i.e. whether one or two)	Fleet Carriers ... ..	2 (Pattern 7178).	10 (Pattern 7178).	
3 Section plus one section for hangar.	Light Fleet Carriers ... ..	2 (Pattern 7178).	8 (Pattern 7178).	
	Escort Carriers ... ..			
3 Section	Cruisers over 6,000 tons ... .. H.M.S. "Unicorn" ... .. Repair ships ("Resource") Depot ships ("Adamant", "Forth", "Maidstone", "Tyne", "Woolwich"). Landing ships	2 (Pattern 7178).	6 (Pattern 7178).	
	Repair ships ("Wayland", "Artifex", "Ausonia", "Alunia", "Ranpura"). Depot ships ("Blenheim", "Wolfe", "Montclare").			
3 Section	Of merchant ship construction and over 10,000 tons gross.	1 (Pattern 7178).	3 (Pattern 7178).	
3 Section	A/C Maintenance ships ... .. A/C Component Repair ships ... .. A/C Engine Repair ships ... .. White Ensign ships of merchant ship construction over 10,000 tons gross.	1 (Pattern 7178).	3 (Pattern 7178).	

APPENDIX C—(contd.)  
Electrical R pair—contd.

Number of Electrical Sections	Ship or Class of Ship	No. of Lockers (or Boxes, Pattern 116) per Section	Total No. of Lockers (or Boxes, Pattern 116) per Ship	Allowance of Stores per Locker or Box
2 Section	Cruisers under 6,000 tons ... A/A ships (ex Cruisers) ... Monitors ... Depot ships Repair ships Landing ships	2 (Pattern 7178).	4 (Pattern 7178).	See Part III of this Appendix.
2 Section	Depot ships (Greenwich). White Ensign ships.			
1 Section	Flotilla Leaders and Destroyers ... Fast Minelayers ... Sloops ("Black Swan" and later), "Protector" and "Guardian". Landing ships (not of merchant ship construction and over 1,300 tons and under 3,000 tons displacement). White Ensign ships of merchant ship construction over 3,000 tons and under 5,000 tons gross.	2 (Pattern 7179).	2 (Pattern 7179).	

Ships allowed Tool Outfit but not Lockers or Boxes

Number of Sections	Ship or Class of Ship	Remarks
1 Section	Sloops (earlier than "Black Swan")... Frigates ... Corvettes ... Fleet Minesweepers ... A/S vessels ... Steam Gunboats ... Cutters (ex American) ... Surveying vessels ... River Gunboats ... Landing ships (not of merchant ship construction and over 600 tons and under 1,300 tons displacement). White Ensign ships of merchant ship construction over 2,000 tons and under 3,000 tons gross.	These ships are allowed one tool outfit as detailed in Part IV of this Appendix.

APPENDIX C—contd.  
Electrical Repair—contd.  
Part III.—Allowances of Stores for each Locker, Pattern 1178 and 1179, or Action Repair Box, Pattern 116

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance for each Locker or Box	Remarks
P	F.2A	8117	Accumulators for Pattern 17081 floodlights	No.	12	Six per floodlight allowed.  For each hangar section of aircraft carriers only, and one section only of "Unicorn", "Perseus", and "Pioneer", A/c component repair and engine repair ships—includes one spare for each floodlight allowed.
P	B.11	102 (late C.668)	Axe, hand, 3½-lb.	"	1	
C	B.11	141 (late 52)	Bars, pinch, 2-ft.	"	1	
P	F.2A	3923	Battery, 6-v (for floodlights, Pattern 17100)	"	4	
P	F.2A	W.2317	Battery, 12-v (for floodlights, Pattern 17061)	"	6	
C	F.2A	14074	Batteries for Pattern 19570 torch (3 per torch)	"	3	
C	B.11	2190	Blades for saws, Pattern 2188	"	6	
C	B.11	(late C.770) 2179 or 2178	Blades, hacksaw	"	6	
C	F.2A	(late C.790 or C.791) 56A	Bulbs for Pattern 19570 torch	Lb.	1	
C	F.2B	9231A	Compound, Henleys	No.	1	
C	B.11	2232B	Chisels	"	1	
C	F.1C	13721	Connectors, cable	"	50	
C	F.1C	13722	Connectors, cable	"	50	
C	F.2A	14011	Connectors, cable, spring clip	"	12	
C	B.9	5494	Clamps, jointing	"	4	
C	F.1C	1888 or 13868	Cable, electric	Ft.	100	
P	F.2B	19237	Extractors, fuze	No.	—	Allowances in accordance with A.F.Os. 5101/43 and 836/44.
P	F.2B	19238	Extractors, fuze	"	—	

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance for Each Locker or Box	Remarks
C	B.11	850 (late 73)	Files, round, bastard, 12-in. ... ..	No.	1	
C	B.11	788 (late 298)	Files, halfround, rough, 10-in. ... ..	"	1	
C	F.2B	—	Fuzes, 5-7 amps. ... ..	"	6	To be drawn from Naval stores on board.
C	F.2B	—	Fuzes, 10 amps. ... ..	"	6	To be drawn from Naval Stores on board.
C	F.2B	—	Fuzes, 20 amps. ... ..	"	6	To be drawn from Naval stores on board.
C	F.2B	—	Fuzes, 30 amps. ... ..	"	6	To be drawn from Naval stores on board.
C	F.2B	—	Fuzes, 40 amps. ... ..	"	6	To be drawn from Naval stores on board.
C	F.2B	—	Fuzes, 80 amps. ... ..	"	4	To be drawn from Naval stores on board.
C	F.2B	6438	Fuze extractors ... ..	"	2	
C	F.2B	—	Fuze wire, 5-7 amps. ... ..	Reel	1	To be drawn from Naval stores on board.
P	F.2B	17069	Floodlights ... ..	No.	3*	Allowance of floodlights, Pattern 17069, for damage control purposes has been reduced. (See Appendix B, Part III.) Any rendered surplus thereby are to be utilized by electrical repair parties.
P	F.2B	17081	Floodlights, portable, battery-operated ... ..	"	2*	
P	F.2B	17061	Floodlights, flameproof, battery-operated ... ..	"	3	
P	F.2B	17100	Floodlights, flameproof, battery-operated ... ..	"	2	For each hangar section of aircraft carriers only and for one section only of "Unicorn", "Perseus" and "Pioneer", A/c component repair and engine repair ships for use in dangerous gas laden areas.
C	E.12	400	Gloves, I.R. ... ..	Pairs	2	* Not allowed for hangar sections of aircraft carriers and not to be used in gas laden atmospheres. Floodlights, Patterns 17061 and 17100 and torches, Pattern 19570 are allowed in lieu to Aircraft Carriers (for hangar sections only) and "Unicorn", "Perseus" and "Pioneer". A/c component repair and A/c engine repair ships for one section only for use in dangerous areas.

C	E.11	4023	Gauntlets, cotton twill, leather palms, small ... ..	Pairs	} 2	2 pairs of pattern required.
C	E.11	4024	Gauntlets, cotton twill, leather palms, medium ... ..	"		
C	E.11	4025	Gauntlets, cotton twill, leather palms, large ... ..	"		
C	B.11	2174 (late 4313)	Hacksaw, frame, 9-in., without blades ... ..	No.	1	
P	F.2A	16034	Headlamps, complete with batteries and lamps ... ..	"	3*	1 spare lamp, Pattern 16093, to be drawn from Naval Stores on board. Any headlamps now surplus to Damage Control requirements (see revised allowances in Appendix "B", Part III) are to be utilised by electrical repair parties.
C	B.11	1203 (late C.617)	Hammers, 2-lb., engineer's ballpein ... ..	"	1	
C	F.1C	4658	Keys, combination ... ..	"	2	*Not allowed for hangar sections of aircraft carriers and not to be used in gas-laden atmospheres. Floodlights, Patterns 17061 and 17100, and torches, Pattern 19570, are allowed in lieu to aircraft carriers (for hangar sections only) and H.M. Ships "Unicorn", "Perseus" and "Pioneer". A/C Component Repair and A/C Engine Repair Ships for one section only for use in dangerous areas.
C	B.11	1528 (late 431)	Knife, rigger's ... ..	"	1	
C	F.2A	16132 6667 (220-volt) or 8041 (110-volt)	Lamps, 12-volt, for Pattern 17081 floodlights ... ..	"	3	Includes 1 spare.
C	F.2A	—	Lamps, incandescent, for Pattern 17069 floodlight (200-watts).	"	4	Of voltage required. Includes 1 spare.
C	F.2A	16049	Lamps, 12-volt (for floodlights, Pattern 17061)	"	9	For each hangar section of aircraft carriers only and for one section only of H.M. Ships "Unicorn", "Perseus" and "Pioneer" A/C Component Repair and A/C Engine Repair Ships. Includes 2 spares per floodlight.
C	F.2A	3924	Lamps, 6-volt (for floodlights, Pattern 17100)	"	6	
C	F.2A	—	Lamps, incandescent, 40-watt ... ..	"	6	Of voltage required.
C	F.2B	7992A	Lampholders ... ..	"	6	
P	B.9	60	Lamps, safety, complete ... ..	"	1	
C	D.5	C.1563	Lines, cod, 80-yards ... ..	Skein	1	
C	E.12	1022	Mallets, tinmen's ... ..	No.	1	
C	B.11	1850 (late 1398)	Pliers, 8-in., insulated handle ... ..	Pairs	2	
C	B.11	1840 (late 824)	Pliers, 7-in., quick grip ... ..	"	1	To be suitably insulated by ships' staffs.
P	B.11	2188 (late C.769)	Saw, cutting, 12-in. ... ..	No.	1	

APPENDIX C—contd.  
Electrical Repair—contd.

Part III.—Allowances of Stores for Each Locker, Patterns 7178 and 7179, or Action Repair Box, Pattern 116—contd.

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance for Each Locker or Box	Remarks
C	B.11	2276 (late 666)	Screwdrivers, 6-in. ... ..	No.	2	
C	B.11	2277 (late 665)	Screwdrivers, 8-in. ... ..	"	1	
C	F.1C	17326	Screws, grub ... ..	Pkt.	1	For connectors cable 13721 and 13722.
C	E.2	2596	Sleeves, rubber, for Pattern 5494, jointing clamps	No.	4	
C	E.7	249A	Solution, rubber ... ..	Tube	1	
C	B.11	2419 (late 3860)	Spanners, adjustable 6-in. ... ..	No.	1	
C	B.11	25A	Spanners, single-ended ... ..	"	1	Single-ended spanners to be insulated with insulating tape by ships' staffs.
C	B.11	34A	Spanners, single-ended ... ..	"	1	
C	B.11	35A	Spanners, single-ended ... ..	"	1	
C	B.11	40A	Spanners, single-ended ... ..	"	1	
C	B.11	42A	Spanners, single-ended ... ..	"	1	
C	B.11	43A	Spanners, single-ended ... ..	"	1	
C	B.11	1399	Spanner, box, ebonite tube ... ..	"	1	
C	B.11	2421 (late 1451)	Spanner, adjustable 11-in. ... ..	"	1	
C	B.11	6407	Spanner, ring ... ..	No.	2	To be converted to single-ended spanner by sawing off the small end and insulated with insulating tape by ships' staffs.
C	B.11	6426	Spanner, single-ended, 1-in. ... ..	"	1	
P	B.11	6654	Spanners, insulated, for use with H.R.C. fuzes...	"	2	} Of pattern required in accordance with A.F.O. 4011/44.
P	B.11	6654A	Spanners, insulated, for use with H.R.C. fuzes...	"	2	
C	D.5	—	Spun yarn ... ..	Lbs.	2	} To be drawn from Naval stores on board.
P	B.11	2349 (late 1064)	Shears, tinmen's, straight, 12-in. ... ..	Pairs	1	
C	F.2A	3903	Tape, adhesive, insulating, 1-in. wide ... ..	Lbs.	1	
C	E.2	2630	Tape, Henley's, self-vulcanizing, ½-in. wide ... ..	"	1	

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Part IV—Tool Outfits for Ships not allowed Lockers or Boxes, Pattern 116 (See Appendix C Part II)

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance per Ship	Remarks
P	F.2A	8117	Accumulators for Pattern 17081 floodlights ... ..	No.	—	} 6 per floodlight allowed.
C	F.2A	14074	Batteries for Pattern 19570 torch (3 per torch)...	"	3	
C	F.2A	56A	Bulbs for torches, Pattern 19570 ... ..	"	1	
C	B.11	2179 or 2178 (late C.790 or C.791)	Blades, hacksaw ... ..	"	6	
C	F.2B	9231A	Compound, Henley's ... ..	Lb.	1	
C	F.1C	1888 or 13868	Cable, electric ... ..	Feet	100	
C	B.11	2232B	Chisels ... ..	No.	1	
C	B.9	5494	Clamps, jointing ... ..	"	2	
C	F.1C	13721	Connectors, cable ... ..	"	12	
C	F.1C	13722	Connectors, cable ... ..	"	12	
C	F.2A	14011	Connectors, spring clip ... ..	"	12	
P	F.2B	19237	Extractors, fuze ... ..	"	—	} Allowances in accordance with A.F.Os. 5101/43 and 836/44.
P	F.2B	19238	Extractors, fuze ... ..	"	—	
C	B.11	850 (late 73)	Files, round, bastard, 12-in. ... ..	"	1	

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Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance per Ship	Remarks
C	B.11	788 (late 298)	Files, half round, rough, 10-in. ... ..	No.	1	To be drawn from Naval stores on board.
C	F.2B	—	Fuzes, 5-7-amp. ... ..	"	6	
C	F.2B	—	Fuzes, 10-amp. ... ..	"	6	
C	F.2B	—	Fuzes, 20-amp. ... ..	"	6	
C	F.2B	—	Fuzes, 30-amp. ... ..	"	6	
C	F.2B	—	Fuzes, 40-amp. ... ..	"	6	
C	F.2B	6438	Fuze extractor ... ..	"	1	
C	F.2B	—	Fuze wire, 5-7-amps. ... ..	Reel	1	
P	F.2B	17069	Floodlights ... ..	No.	A	To be drawn from Naval stores on board. A. 4 to Frigates; 3 to Sloops previous to "Black Swan" Class; Corvettes; "Castle" Class; Fleet Minesweepers, "Algerines" and later Classes; Surveying Vessels; Cutters (ex American); 2 to Corvettes previous to "Castle" Class, Fleet Minesweepers previous to "Algerine" Classes, River Gunboats and Landing Ships; 1 to Steam Gun Boats. <i>Not to be used in gas-laden atmospheres.</i>
P	F.2B	17081	Floodlights, portable, battery operated ...	"	B	B. 3 to Frigates, Sloops previous to "Black Swan" Class, Surveying Vessels and Cutters; 2 to Corvettes, Fleet Minesweepers, and Landing Ships; 1 to Steam Gun Boats. <i>Not to be used in gas-laden atmospheres.</i>
C	E.12	400	Gloves, I.R. ... ..	Pairs	2	2 pairs of pattern required.
C	E.11	4023	Gauntlets, cotton twill, leather palms, small ...	"	2	
C	E.11	4024	Gauntlets, cotton twill, leather palms, medium ...	"		
C	E.11	4025	Gauntlets, cotton twill, leather palms, large ...	"	1	
C	B.11	1203	Hammers, 2-lb. ... ..	No.		
C	B.11	(late C.617) 2174 (late 4313)	Hacksaw frame, 9-in., without blades ... ..	"	1	

P	F:2A	16034	Headlamps, complete with batteries and lamps	"	C	C. 4 to Frigates; 3 to Corvettes, "Castle" Class and later, and Fleet Minesweepers "Algerine" Class and later; 2 to Corvettes earlier than "Castle" Class, Sloops earlier than "Black Swan" Class, Fleet Minesweepers earlier than "Algerine" Classes, Cutters, Landing Ships and Surveying Vessels; 1 to River Gun Boats. <i>Not to be used in gas-laden atmospheres.</i>
C	F.1C	4658	Keys, combination ... ..	No.	1	Of voltage required. Of voltage required. One for each floodlight and one spare. One per floodlight allowed plus one spare.
C	B.11	1528 (late 431)	Knife, riggers ... ..	"	1	
C	F.2A	—	Lamps, 40-watt, incandescent ... ..	"	6	
C	F.2A	6667 (220V) or 8041 (110V)	Lamps, incandescent, for Pattern 17069, floodlight (200-watt).	"	—	
C	F.2A	16032	Lamps, 12-volt, for floodlight, Pattern 17081 ...	"	—	
C	F.2B	7992A	Lampholders ... ..	"	6	
C	B.11	1850 (late 1398)	Pliers, 8-in. insulated handles ... ..	Pairs	2	
C	B.11	2276 (late 666)	Screwdrivers, 6-in. ... ..	No.	2	
C	B.11	2277 (late 665)	Screwdrivers, 8-in. ... ..	"	2	
C	F.1C	17326	Screws, grub ... ..	"	50	
C	E.2	2596	Sleeves, rubber for clamp, Pattern 5494 ...	"	4	
C	B.11	2419 (late 3860)	Spanner, adjustable, 6-in. ... ..	"	1	
C	B.11	6426	Spanner, S.E., 1-in. ... ..	"	1A	
C	B.11	25A	Spanner, S.E., 1-in. ... ..	"	1	
C	B.11	34A	Spanner, S.E., 1-in. ... ..	"	1	
C	B.11	35A	Spanner, S.E., 1-in. ... ..	"	1	
C	B.11	40A	Spanner, S.E., 1-in. ... ..	"	1	
C	B.11	42A	Spanner, S.E., 1-in. ... ..	"	1	
C	B.11	43A	Spanner, S.E., 1-in. ... ..	"	1	



APPENDIX C—contd.  
Electrical Repair—contd.

Part IV—Tool Outfits for Ships not allowed Lockers or Boxes, Pattern 116. (See Appendix C, Part II)—contd.

Permanent or Consumable	Sub-head	Pattern No.	Description	Denom.	Allowance per Ship	Remarks
P	B.11	6654	Spanners, insulated, for use with H.R.C. fuzes ...	No.	—	} Of pattern required in accordance with A.F.O. 4011/44.
P	B.11	6654A	Spanners, insulated, for use with H.R.C. fuzes ...	"	—	
C	D.5	—	Spun yarn ... ..	Lbs.	2	} To be drawn from Naval stores.
C	F.2A	3903	Tape, adhesive, insulating, 1 in. wide ... ..	"	$\frac{1}{4}$	
C	E.2	2630	Tape, Henley's, self-vulcanizing, $\frac{1}{2}$ in. wide ... ..	"	$\frac{1}{4}$	
P	F.2B	19570	Torch, gasproof ... ..	No.	1	
						Torches, gasproof, Pattern 19570, and substitute patterns, are supplied for use in dangerous areas and must only be dismantled and assembled in safe areas.
						Holes are provided on all safety torches for a wire seal to prevent accidental or irresponsible dismantling and all such torches issued for the use of electrical repair parties must be properly sealed.
C	B.11	3021 (late 2)	Wrenches, pipe, "footprint," 9-in. ... ..	"	1	
P	B.11	3024 (late 3535)	Wrenches, pipe, Stillson, 12-in. ... ..	"	1	

(C.A.F.Os. 2368/42, 2183/43, A.F.Os. 2792/42, 7351/43, 2409/43, 3317/43, 5101/43, 5772/43, 5894/43, 6276/43, 344/44, 836/44, 2257/44, 3088/44, 4011/44, 4381/44, 4408/44, 182/45, 450/45, 1894/45, 3665/45, 4625/45, 5105/45 and 5216/45.)

(C.A.F.Os. 1041/40, 1163/40, 1940/40, A.F.Os. 1157/40, 4531/41, 683/42, 2558/42, 5697/42, 1642/43, 4346/43, 4997/43, 5641/43, 6275/43, 2263/44, 2382/44, 4532/44 and 451/45 are cancelled.)