

# GENERAL INFORMATION

INCLUDING DESCRIPTIONS AND

TESTS OF ELECTRIC AUXILIARIES

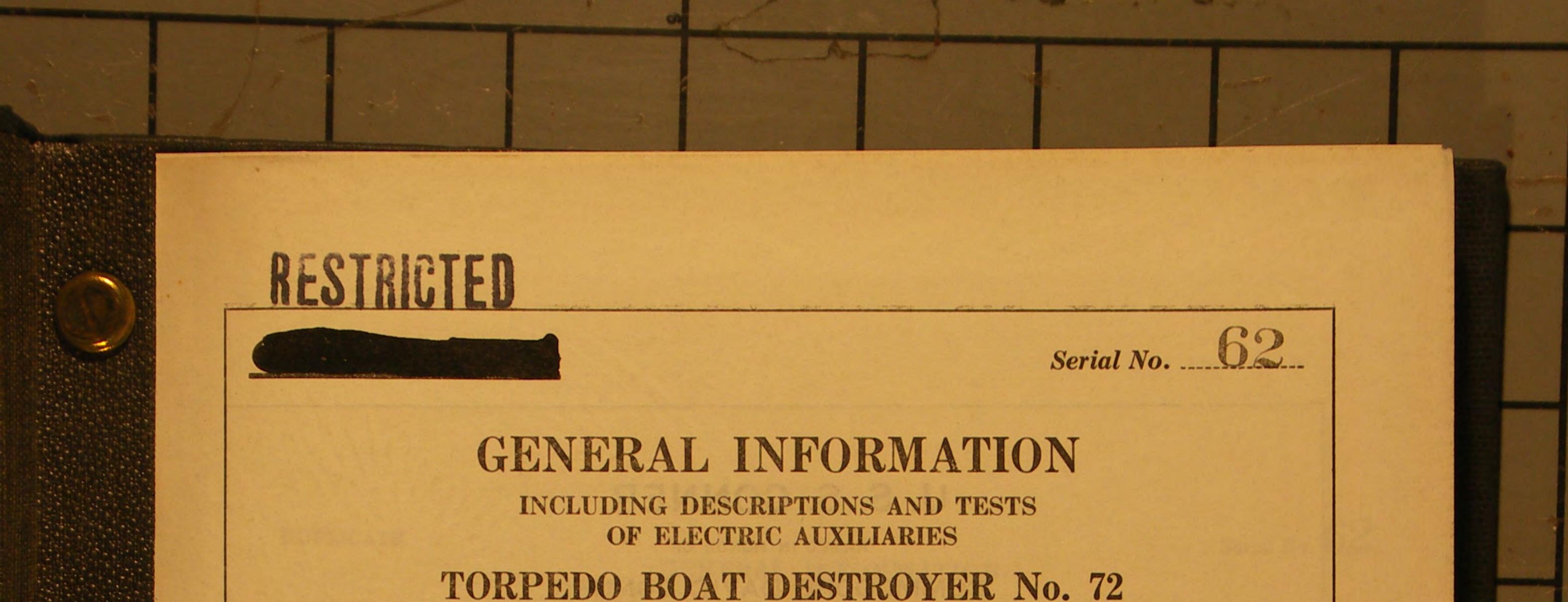
U. S. S. CONNER, TORPEDO BOAT DESTROYER No. 72

U. S. S. STOCKTON, TORPEDO BOAT DESTROYER No. 73

**INFORMATION RELATIVE TO ITEMS UNDER COGNIZANCE OF** 

THE BUREAU OF CONSTRUCTION AND REPAIR





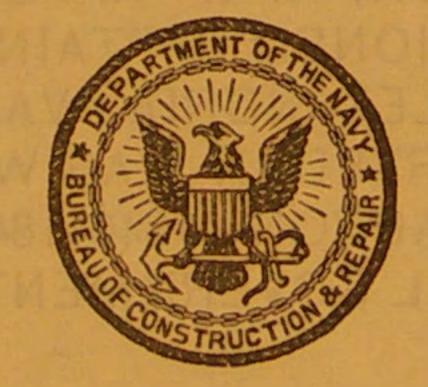
# U. S. S. CONNER TORPEDO BOAT DESTROYER No. 73 U. S. S. STOCKTON

Information relative to items under cognizance of Bureau of Construction and Repair Navy Department

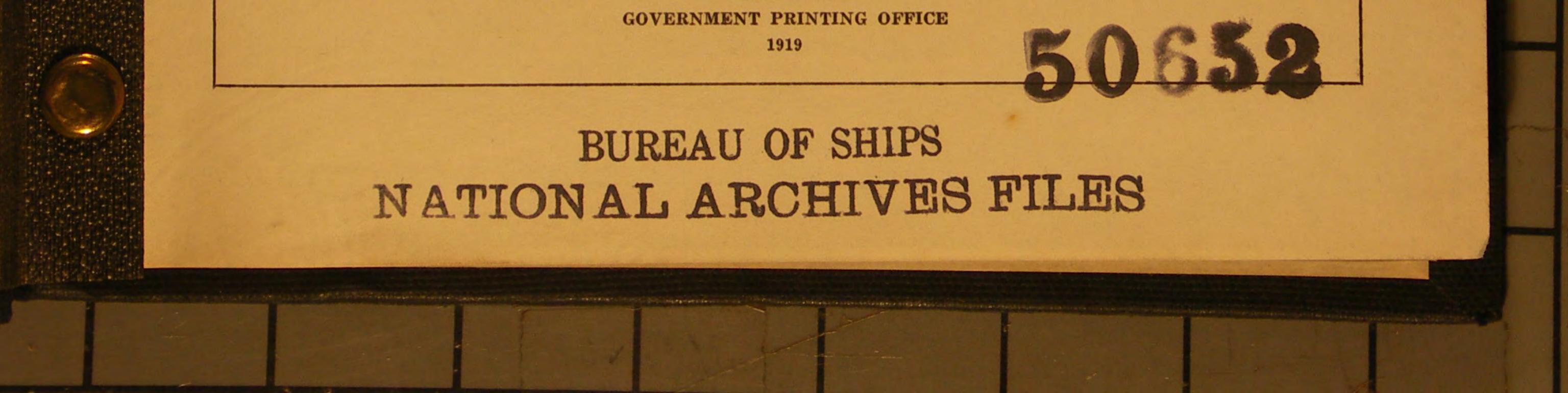
BUILDERS: WILLIAM CRAMP AND SONS' SHIP AND ENGINE BUILDING COMPANY PHILADELPHIA, PA.

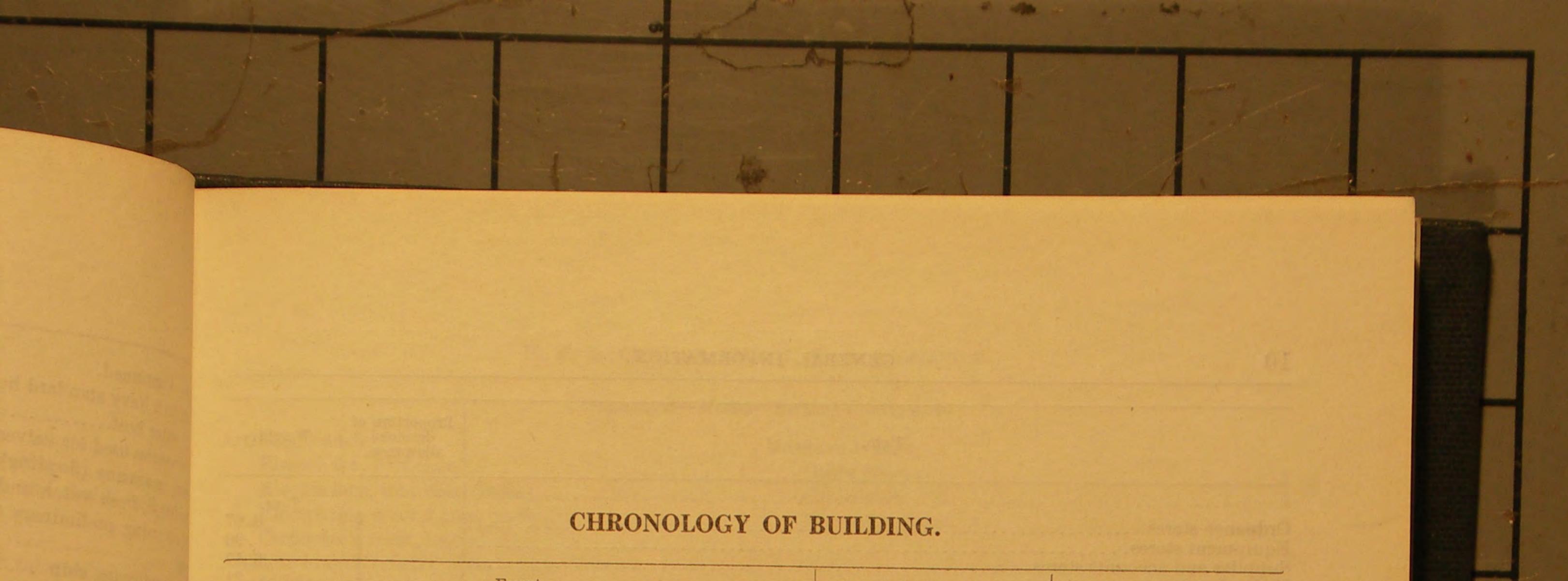
OFFICE OF THE SUPERINTENDING CONSTRUCTOR FOR THE UNITED STATES NAVY WILLIAM CRAMP AND SONS' SHIP AND ENGINE BUILDING COMPANY PHILADELPHIA, PA.

# FINISHED PLAN No. 41 TAKEN FROM WORK 1918



WASHINGTON





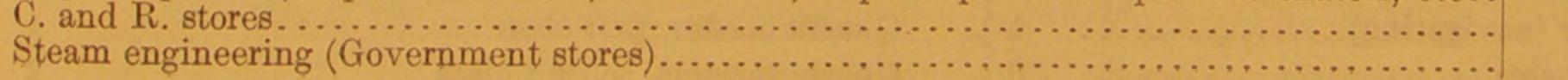
Event.	Conner.	Stockton.
Authorized by act of Congress. Advertisement issued by Navy Department. Bids received. Plans and specifications delivered to contractors. Contract signed. First hull material ordered. Lines faired in mold loft. First hull material received. Keel laid. First frame raised. First compartment tested. Vessel launched. Vessel docked (see record of docking before delivery). Dock trial. First sea trial by contractors. Contract date of completion. Standardization trial. Delivered to Navy Department at Philadelphia Navy Yard. Vessel commissioned at Cramp's shipyard. Contract price.	July 6, 1915. Oct. 6, 1915. Oct. 27–28, 1915. Jan. 6, 1916. Dec. 20, 1915. About Dec. 20, 1915. Jan. 27, 1916. Oct. 16, 1916. Nov. 9, 1916. July 25, 1917. Aug. 21, 1917. Nov. 26–27, 1917. Dec. 2, 1917. Dec. 10–11, 1917. Aug. 20, 1917. Feb. 10, 1918. Jan. 12, 1918.	July 6, 1915. Oct. 6, 1915. Oct. 27–28, 1915. Jan. 6, 1916. Dec. 20, 1915. Dec. 20, 1915. Jan. 27, 1916. Oct. 16, 1916. Nov. 14, 1916. May 29, 1917. July 17, 1917. Oct. 7–8, 1917. Oct. 10, 1917. Oct. 15–16, 1917. Sept. 5, 1917. Oct. 16, 1917. Nov. 26, 1917.

This book was prepared by authority of the Bureau of Construction and Repair, and the contents on succeeding pages contain lists and descriptions of the various features and systems that have been installed under the cognizance of that bureau.

Statement of loads, contemplated in determining the mean draft corresponding to the "Designers' water line," in accordance with circular letter (Booklets of General Information) 11-1, 96, 44; (15635-A-115) dated June 30, 1915.

In the design of the vessels the mean draft corresponding to the "Designers' water line," viz, 8 feet ½ inch, contemplated the following condition of loading: Ship, complete, ready for service in every respect, with full complement of officers and crew with their effects, and consumable load as tabulated below:

Item.	Proportion of designed allowance.	Weight.
Ammunition, including torpedoes		Tons.
2,000 rounds 4-inch cartridges. 2,000 rounds 1-pounder antiaircraft cartridges. 6,000 rounds .30-caliber rifle (ball), model 1906. 2,000 rounds .30-caliber rifle (blank), model 1909.		
1,000 rounds .30-caliber rifle (dummy), model 1906. 4,800 rounds .30-caliber rifle (ball), model 1898. 4,000 rounds .30-caliber rifle (blank), model 1898.	Full.	35.27
10,000 rounds .45-caliber rifle (ball), model 1911. 12 war heads. 12 torpedoes.		
Impulse primers, superheater fuses, net cutters, impulse powder torpedo detonators, etc.	Landings of the	





1.33

1.67

# GENERAL INFORMATION.

10	GENERAL INFORMATION			
	Item.	des	ortion of signed wance.	Weight.
				Tons.
Ordnance stores			132	0.67
			32	. 90
Classic and account of		the second s	32	6. 57 . 21
M Parl atomor			32	1. 12
Officers' mess stores			32	9.90
Fresh water			32	19 29
Reserve feed water			32	173. 33
Fuel oil			3	367.70
Hull complete				001.1

Hull fittings		60.80
Steam engineering (including water in machinery)		360.34
Battery		40.70
Equipment		26.15
Outfit		11.65
Officers and crew		10.23
Total		1, 120.8
	The state of the state	

# LIST OF PLATES.

	Title.		Plate
Location of draft figures and draft mark	KS		
Zinc protectors (finished plan No. 29)			2
Draft diagram (finished plan No. 43)			
Fire-main system			
Magazine flooding system			
Sanitary system			(
Drainage system			a state a state of the state of the
Fresh-water system			
Fuel-oil stowage system			
Wiring diagram of ventilation motor con	ntrol panel conn	ections	1
Shop test curves of—	autor punci com		

Shop test curves of—	
2,500 cu. ft. ventilation motors (system No. 1)	11
1,000 cu. It. ventilation motors (systems No. 2 and No. 3)	12
Ship test curves of—	
2,500 cu. ft. ventilation motor (system No. 1) Conner	13
-, o conner	14
-, o o ou. 10. Ventilation motor (system No. 3) Connon	15
so ou. It. ventulation motor (system No. 1) Stockton	16
Stockton (Chulation motor (System No. 2) Stockton	17
1,000 cu. ft. ventilation motor (system No. 3) Stockton	18

# COMPLEMENT-MESSES-BERTHS.

### Officers:

Commanding officer Wardroom officers												
Wardroom officers.	• • •	•	• •	•	•	•	• •	•	•	•	-	
Wardroom officers	• • •	•	• •	• •	•	•	• •	•	•	•	•	
Chief boatswain's mate												
Chief boatswain's mate Chief gunner's mates.	• • •	•	•	• •	•	•	• •		•	•	•	
Chief gunner's mates	• • •	•	• •	• •	•	•	• •		-		•	
Chief quartermaster (navigating). Chief machinist's mater	•••	•	• •	•	•	•	• •		•			
Chief machinist's mates Chief water tenders	• • •	•	• •				• •					
Chief water tenders Hospital steward	•••	•	• •	•	•	•	• •		•		•	

seam	an branch:
	Boatswain's mate, second class
	Doxswain
(	Junner's mates, first class
	Junner's mates, second class
(	Junner's mate, third class
(	Juartermaster, first class
(	Quartermasters, second class
	Seamen

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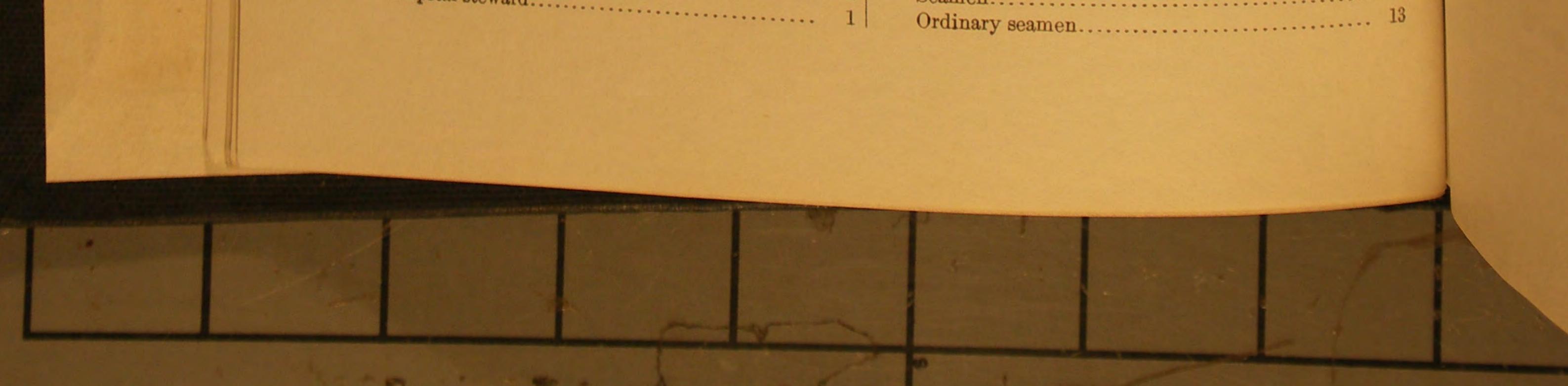
2

3

2

16

NUMBER OF MISSIS



### U. S. S. CONNER AND U. S. S. STOCKTON.

Ar -

### Complement-Messes-Berths-Continued.

2

#### Artificer branch: Electrician, first class..... Electricians, first class (radio)..... Electrician, second class (radio)..... Carpenter's mate, second class..... Artificer branch (engine-room force): Machinist's mates, first class..... Machinist's mates, second class.....

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Weight.

Tons.

1, 120.84

essmen	oranch:												
Cabin	steward	 			 			 		-	-	-	
Cabin	cook	 			 	 							
Mess	attendants	 											

the state was not been and been and

#### RECAPITULATION.

# Commanding officer.....

11

0105.	Electricians, mist class (radio)	Z	Cabin cook	1
0.67	Electrician, second class (radio)	1	Mess attendants	
. 90 6. 57	Carpenter's mate, second class			
. 21	Artificer branch (engine-room force):		RECAPITULATION.	
1.12		3	Commanding officer	1
9.90 12.33	Machinist's mates, second class	3	Commanding officer Executive officer	1
173.33	Water tenders	5	Senior engineer officer	
367.70	Boiler maker	1	Torpedo officer	
60.80			Duty officer	
360.34 40.70	4.4.	1	Chief petty officers	
26.15	Officio	4	Seamen branch	
11.62		10	Artificer branch	
10.23		7	Artificer branch (engine-room force)	
120.84	Special branch: Yeoman, first class, commanding officer	1	Special branch	
1 centre	Yeoman, second class, engineer department	1	Commissary branch	
1 2 1 1 2	Storekeeper, first class, general	1	Messmen branch	4
	Commissary branch:	T	Total	102
Plate	Ship's cook, first class	7	100al	103
1 1010	Ship's cook, third class			
- 1	brig booth, that a chabbrit the transmission to the transmission t	1		

#### NUMBER OF MESSES.

CONNER.	STOCKTON.		
Crew	4	Crew	4
Chief petty officers	1	Chief petty officers	1

#### STATEROOMS AND BERTHS.

#### CONNER.

Commanding officer's stateroom and berth..... Wardroom officers' staterooms and horths

#### STOCKTON.

Commanding officer's stateroom and berth..... 5 Wandroom officing' statemand and hartha

wardroom oncers staterooms and pertns	0	Y
Yeoman's office and berths	2	Y
Radio room and berths	2	F
Chief petty officers' berths, compartment A-304 1	0	C
Crew's berths:		C
Compartment A-203	8	
Compartment A-204 1	5	
Compartment A-205	7	
Compartment D-202	9	
Additional berthing in hammocks is provided for 2 chie	f	
petty officers and 12 men.		p

valuroom omcers staterooms and pertus	
feoman's office and berths	
adio room and berths 2	
hief petty officers' berths, compartment A-304 10	
rew's berths:	
Compartment A-203	
Compartment A-204	
Compartment A-205	
Compartment D-202	
Additional berthing in hammocks is provided for 2 chief	
etty officers and 10 men.	



# GENERAL INFORMATION.

# LIST OF PLANS FURNISHED THE VESSEL.

Title.

FORTFOLIO NO. 2-continues

deck, etc. Additional to copy

ails 46-461

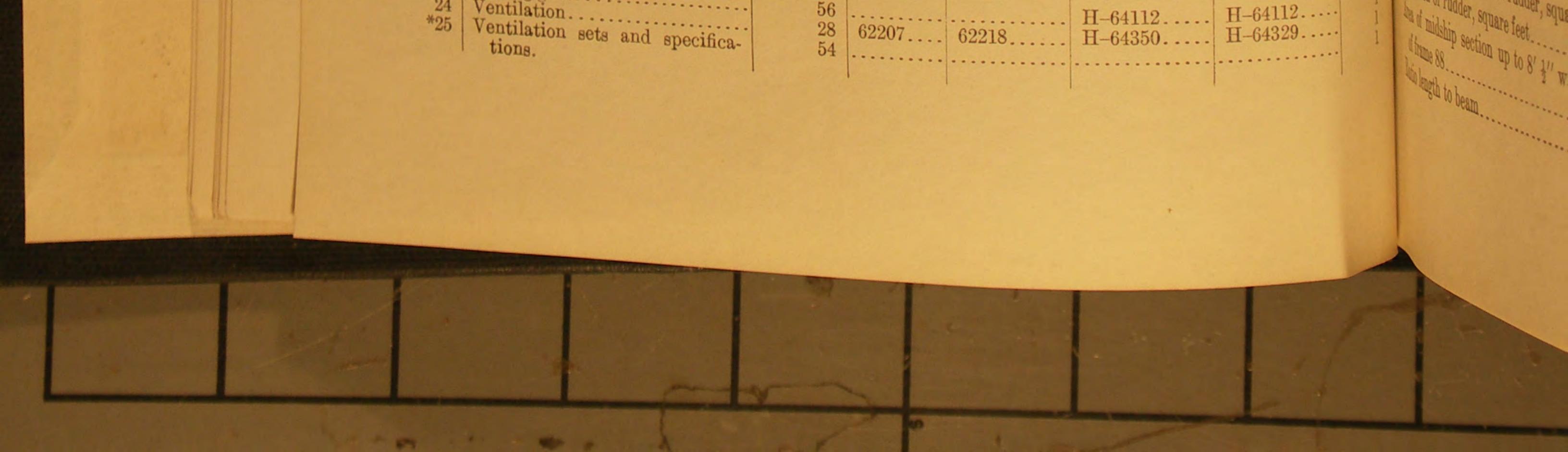
The list hereunder contains the plans required by List III, General Specifications, Appendix 16, Edition of 1914, to be furnished the vessel. Plans marked \* furnished, but not required. Additional copies of any plan tabulated in the list below may be issued to the command. ing officer, at his request, by the Bureau of Construction and Repair for use on board ship. All plans and booklets are to be considered confidential.

Plan No. in port- folio.		Finished plan No.	Bureau of Construction and Repair drawing No.		Contractor's drawing No.		Number
	Title.		Conner.	Stockton.	Conner.	Stockton.	- Of copies,

#### PORTFOLIO NO. 1.

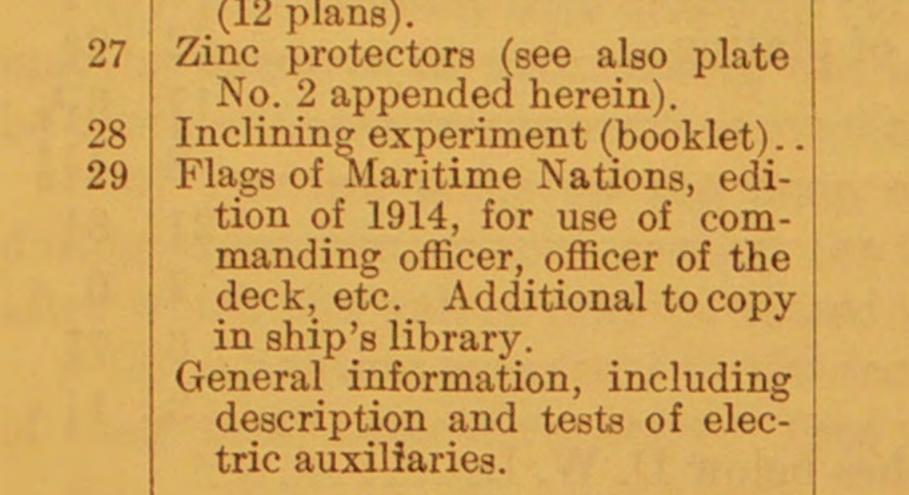
12

			1	and the second				description and tests of elec-
1	Torpedo installation compressed-	34	62199	62213	H-64349	Н-64328	1	tric auxiliaries.
2	air pipe system. Ammunition and torpedo han-	26	50249	50249	H-64097	H-64097	1	
	dling arrangement.		A STATE OF THE STA					
	uning arrangement.		(62209	62220	H-64336	H-64292)	-	A DECEMBER OF THE OWNER OF THE OWNER
	the second s	- IEIC INEI	62210	62221	Ĥ-64337	H-64293	100	CENE
3	Booklet of general plans	42				H-64294	5	ULLIN
	Doomee of Series Lines to the	and the second second	62197	62222	H-64338		2011	
			[62198]	62223	H-64339	H-64295]		leth over all
4	Bridges and top view	6	62206	50495-B	H-64345	H-64114	1	P 1
5	Cross sections	3	62203	62216	H-64346	H-64325	1	lagth between perpendiculars
6	Hold, first and second platforms,	8	62201	50104	H-64351	H-64079	1	histor forward of F P
	and main deck.	0	02201	00101	1, 01001			avecton forward of r. r
7		00	000047	000047			1	bistion off of A P
0	Displacement and other curves.	38	003047	003047	TT 04044	TT 04909	1	ייייייייייייייייייייייייייייייייייייי
8	Docking plan	1	62202	62215	H-64344	H-64323	1	legth of straight keel
9	Draft diagram, see also plate No.	43	62208	62219	H-12339	H-12337	1	0
	3 appended herein.				ALL REAL PROPERTY AND			LP. to straight keel
10	Drainage system, sounding tubes,	30	50250	50250	E-62993	E-62993		
A BARAN	and air escapes.	and a state of the state	Sheet a state	No. of the Lorenza				1P. to straight keel.
11	Fire main, magazine, flood, fresh-	31			E-62992	E-62992	1	light of fender
	water and flushing systems,	16			1-02002	1 02002	1.072	10
1.11	and stoam and or hard to de l							LP. to fender
	and steam and exhaust to deck				Second Street Street	BAR ENDINE TENT		10.1.1
10	machinery and fuel-oil filling.						1	11. to tender
12	Foam fire extinguisher system in	35			E-62917	E-62917	1	Roth of hilm h 1
	boller room.					A CONTRACTOR OF	1 Sec. 1	legth of bilge keel.
13	Fuel-oil stowage piping arrange-	33			E-62052	E-62052	1	I.P. to bilge keel
10	ment.				L-02002	L ollo		10, 17
14	General cross sections	9	14000	C0011	TT CAODO	H-64324	1	11, to bilge keel
10	Inboard profile		44623	62211	H-64002		1	headth extreme on a line (D. W. L.)
16	Outboard profile	4	62204	62217	H-64347	H-64326	1	Water line (D W T)
17	Outside plating	5	62205	50495–A	Н-64348	H-64113	1	hadth extreme over fenders
18	Outside plating. Painting and comenting in t	15	46839	62212	Н-64035	H-64327	1	a calicate over tenders
10	- and cementing instruc-	57					-	acanto extreme onteida de 1
19	tions (pamphlet).							bradth - 11 1
19	Specifications detail, serial No.	58					1	-martin molded
al with	og (Stockton), serial No 60	00						Readth avtram
00	(conner).		and the second					Making section, frame co. (" water ]
20	Steering gear and compass in-	05	00000			TT 01000	1	Water Water
	stallation.	25	62200	62214	H-64343	H-64302		Imme ss 4/7
			10000		and the second			spacing (regular)
	PORTFOLIO NO O							(apport dial o regular)
	PORTFOLIO NO. 2.		No. of the second second	Second Section				and uspiacement ton ( )
	the second s		A Constant States	AND STREET	(H-18937-a	H-18937-a	2000	Der inch at our (about)
21	Stooring				III 10000 h	H-18938-b	1	Woton !!
-1	Steering-engine assembly and	45-45CC	Des La stati		and the second se		(1)	Lea of wetted surface (to 8' 1" W T
	details (30 plans).	10 1000	********			H-18939-1а		lufting a surface (to 8/ 1// The
			A State State		)H-18939-2a.	Н-18939-2а		W.I.
400					H-18940-1 to	H-18940-1 to		Venigent at c Diock
*22	Tables of capacities, peak tanks, fuel-oil tanks, cofforders find				H-18940-26.	H-18940-26.	1	fue : Della seguente
	fuel-oil tanks coffordam fuel	47			( 20020 -00			Weident of f
								main meness & III Poccuon
	water tanks, reserve feed tanks, and bilges.		and the second second			and the state of the second	Date:	Dalancod 2 Water 1:
23	Towing gear	C						the son portion of the
	Ventilation.	56		the state of the	the second s	TT 01110	1	b de of rudden dot rudder son
	Ventilation	00			H-64112	H-64112	1	a of middl. Square for sould
20	Ventilation sets and specifica-	28	62207	62218	H-64350	H-64329	1	18 Section 1080
	tions.	54					1	a mane 88 mouton up to or
		1.301 30	LACK PAR				P. Contraction	1 10 1 1 m



### U. S. S. CONNER AND U. S. S. STOCKTON.

Plan No. in port folio.	Title.	Finished plan No.	Bureau of Construction and Repair drawing No.		Contractor's	Number	
			Conner.	Stockton.	Conner.	Stockton.	copies.
	PORTFOLIO NO. 2-continued.						
26	Windlass assembly and details	46-46K			H-18909-1 to	H=18909-1 to	(1)



fications, Appendix , but not required d to the command.

on board ship. All

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drawing No.

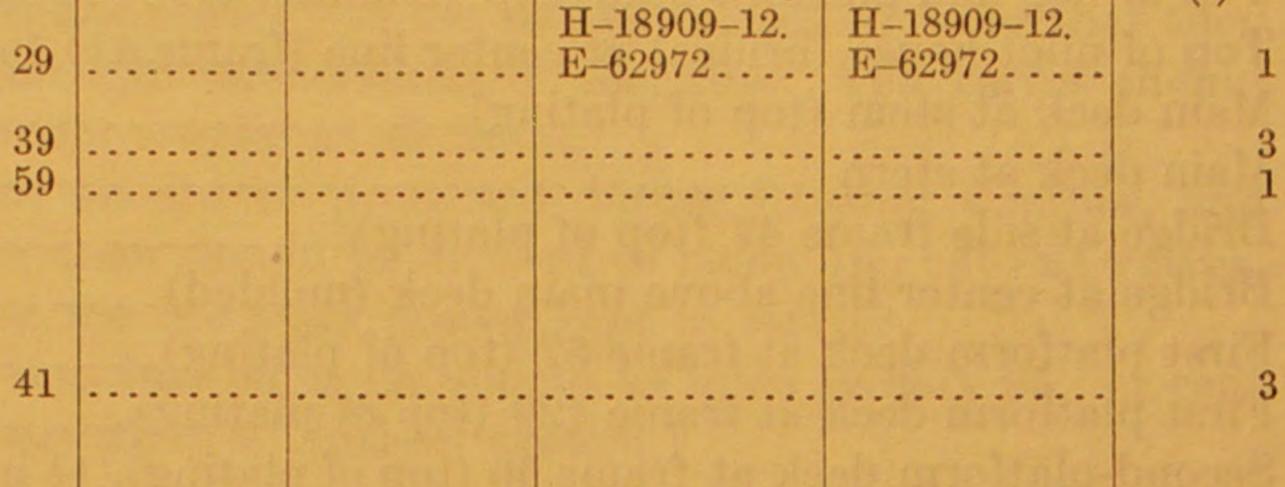
Stockton.

Н-64328.....

Н-64097.....

H-64292....)

... H-64112.... H-64329....



and the second s

13

#### <sup>1</sup> One of each.

#### **GENERAL DIMENSIONS.**

	H-64293		
	H-64294	GENERAL DIMENSIONS.	to and and the state
-	H-64295) H-64114	Length over all	- 315' 6''
	H-64325 H-64079	Trendh between nonnendierlann	
•	n-040/9	Projection forward of F. P	
	TT 04000	Projection of A P	
	H-64323 H-12337		
		F. P. to straight keel	
-	E-62993	A. P. to straight keel	24' 0''
	Е-62992	Length of fender	143' 6''
		F. P. to fender	
		A. P. to fender	
	E-62917	· Length of bilge keel	
	E-62052		
	Н-64324	A D to bilow loop	
•••	Н-64326		
	Н-64113	Breadth extreme over fenders	
	Н-64327	Breadth extreme outside of plating	30' 8''
•••		Breadth molded	
		Breadth extreme outside of $8' \frac{1}{2}''$ water line	30' 8''
		Midship section, frame 88 4/7	
	Н-64302	Frame spacing (regular)	
		Contract displacement, tons (about)	1, 134
		Tong non inch at Q' 1' water line	14.66
	H-18937-а H-18938-b H-18939-1а	Area of wetted surface (to 8' $\frac{1}{2}$ '' W. L.), square feet	
	Н-18939-1а	Coefficient of fineness, block	
	H-18939-2a H-18940-1to	$\cdot$	
to	H-18940-26.	Coefficient of fineness, $8' \frac{1}{2}''$ water line	
		Area of balanced portion of rudder, square feet	15.4
		Total area of rudder, square feet	010

Area of midship section up to 8' $\frac{1}{2}$ '' water line, square feet (frame 88 4/7), 12'' aft	
of frame 88	208.4
Ratio length to beam	10.14

ومالا والمكافرة والمعاملة وورجان فالمعاملة والمتحاف والمحالة الأوار مراجعتهم ومؤامر والارجاب والمحافظ والمراجع

# GENERAL INFORMATION.

# HEIGHTS ABOVE DESIGNED WATER LINE.

In The fire plugs

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(A) Attention is in

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The ship is divided

Division A compri

re bulkhead of the f

Division B compris

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Division C compri

the compartment and

Division D compris

assigned to auxili

These divisions exi

bers in each divisio

Commencing with

deck are numbere

-11, A-202, etc., D-7

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the letter "M" .

atments on the starr

METHO

Designed load water line above bottom of keel amidships	8
Then of hall on foremast	95
Ton of flag and pennant staff cap (foremast)	99
Top of truck light on mainmast	95
Top of flog and pennant staff cap (mainmast)	99
Top of pilot house (bridge) at center line (frame 41) top of plating 2	22
Main deck at stem (top of plating) 1	17

14

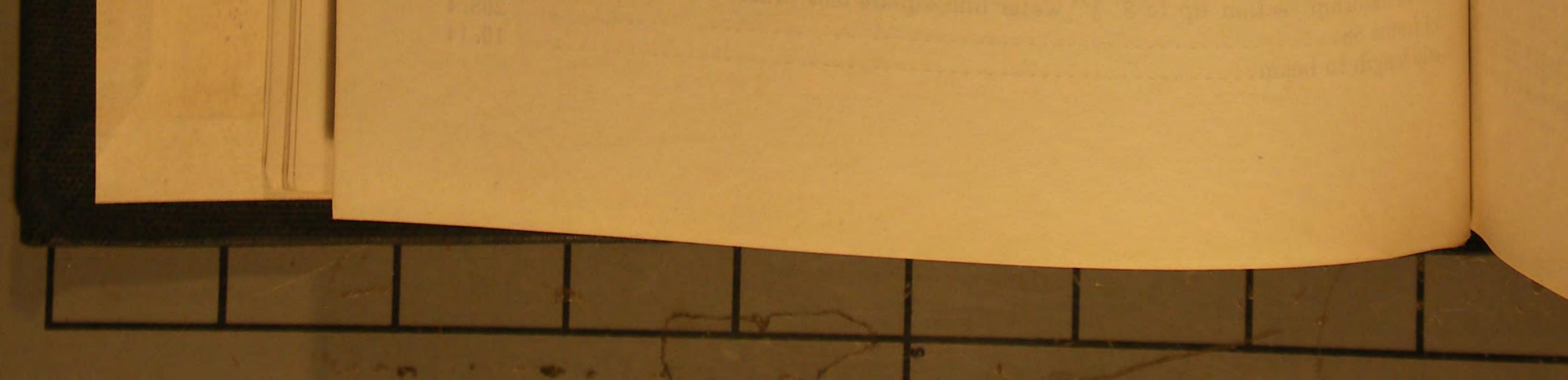
4-inch rapid-fire gun (frame 86 port), top of galley deck house 24 0 4-inch rapid-fire gun (frame 86 starboard), top of galley deck house 24 0 4-inch rapid-fire gun (2" aft frame 163 center line) 13  $2\frac{1}{16}$ 

1 pounder antiaircraft gun (frame 37 center line) 19 8 1 pounder antiaircraft gun  $(13\frac{1}{2}'')$  forward frame 74 port) 17 7 17 7

# CARE AND PRESERVATION.

Attention is invited to instructions for the administration of the Naval Establishment of the United States (Naval Instructions), 1913, particularly to chapter 25, page (164–I), article 2702, "Care and preservation of hulls of ships and of mechanical contrivances pertaining thereto. Inspection of compartments," etc., also to chapter 29, section 7, pages (235–I, 238-I), inclusive. "Articles 3376 and 3377 and such parts of 3378 as apply to destroyers, care and handling of fuel oil on oil-burning vessels."

(a) Steam line from the heating system to the gravity tank located on top of galley deck house should be kept in service during cold weather to prevent water in tank from freezing.
(b) The 4-inch fresh water handy billy pump, located on main deck just outside the galley deck house is provided with drains which are used for draining the pump to prevent freezing.
(c) The rudder stock carrier bearing in main deck is lubricated by means of a ½-inch pipe tapped into the deck casting provided with an oil cup. A ¼-inch pet cock which is tapped etc., are provided with oil holes and oil grooves which provide for the necessary lubrication of the various parts.



## U. S. S. CONNER AND U. S. S. STOCKTON.

15

(d) Should it become necessary to calk rivets in oiltight work, it is advised that it be done very lightly, as the force of a heavy blow on the rivets is liable to result in more leakage. Shellac, not red lead, should be applied over leaky seams or rivets.

(e) If when steaming out fuel tanks, or when using forced ventilation therein it becomes necessary to provide additional ventilation from the tanks referred to, the automatic air valves fitted to the vent pipes leading therefrom should be removed.

(f) It is advised that drainage values not actually in use be kept closed in order that they may be effective in maintaining the watertight subdivisions of the ship. The valves should be operated daily to insure their readiness for service at all times.

(g) The fire plugs on the main deck should be protected during freezing weather, and during exceptionally cold weather the fire main should be drained to below the cuto-ut valves, after which the valves may be closed and the fire main proper kept in service.

(h) Attention is invited to the fact that fuel-oil tanks should be filled to only 95 per cent of their total cubical capacity. (See description of fuel-oil system.)

# METHOD OF NUMBERING WATERTIGHT COMPARTMENTS.

The ship is divided into four principal divisions lettered A, B, C, and D from forward aft. Division A comprises all the space between the stem of the ship and the forward transverse bulkhead of the forward boiler compartment.

Division B comprises all the space between the forward transverse bulkhead of the forward boiler compartment and the after transverse bulkhead of the after boiler compartment.

Division C comprises all the space between the after transverse bulkhead of the after boiler compartment and the after transverse bulkhead of the compartment assigned to auxiliaries of the main propelling machinery.

Division D comprises all the space between the after transverse bulkhead of the compartment assigned to auxiliaries of main propelling machinery and the stern of the ship.

These divisions extend from the keel to the highest deck in line of the bulkheads. All numbers in each division begin at the forward end of that division.

.--- 17 71

Ft. In.

--- 8 01

--- 95 3

--- 99 23

---- 95 7

--- 99 55

---- 22 9\$

 $--- 17 \quad 6\frac{1}{16}$ 

--- 8 4<u>13</u>

---- 21 81

---- 7 6

---- 6 77

---- 3 14

---- 29 5

 $--- 33 7\frac{3}{16}$ 

--- 27 3%

---- 23 13

--- 14 11%

---- 14 611

 $--- 13 \quad 6\frac{13}{16}$ 

 $--- 13 1\frac{1}{2}$ 

 $--- 19 10\frac{3}{4}$ 

---- 24 0

---- 24 0

 $--- 13 2\frac{1}{16}$ 

--- 19 81

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tablishment of 164-I), article ces pertaining 235-I, 238-I), vers, care and

of galley deck om freezing. side the galley vent freezing. a 1-inch pipe nich is tapped ads, bearings, ry lubrication

Commencing with the lowest compartments, the compartments below the second platform deck are numbered from forward aft, viz: A-101, A-102, etc., B-101, B-102, etc., C-101, C-102, etc., D-101, D-102, etc., according to their respective divisions. The compartments between the second platform deck and first platform deck are numbered from forward aft, viz: A-201, A-202, etc., D-201, D-202, etc. The compartments between the first platform deck and the main deck are numbered from forward aft, viz: A-301, A-302, etc. The number of each compartment is prefixed with a letter indicating the general division of the ship in which it is located.

Magazines, ammunition and torpedo warhead rooms, containing explosives of any kind, have the letter "M" after the number of the compartments, as A-111-M, A-112-M. Compartments on the starboard side of the ship have odd numbers, those on the port side even numbers.

