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The Cover: Supply ships crossing the North Atlantic in convoy

COUNCIL ACTIVITIES

DURING the month of February the Merchant Marine Council gave careful study to a recommendation of Captain E. M. Webster, USCG, Chief, Communications Division, on the developments in fixed and portable lifeboat radios. Specifications of the Federal Communications Commission provided for the operation of these radios on both 500 kc. and 8280 kc., thus giving both long and short range transmission. Present regulations require either one portable lifeboat radio which can be placed in a boat or a fixed installation in a boat on each side.

Captain Webster's recommendations were that dry cargo ships should carry a fixed lifeboat installation in a boat on each side and in addition a portable outfit, making a total of 3. In the case of tankers where the boatage is divided between the forward and the after deck house it was recommended that there be two fixed installations in boats on either side, plus one portable installation, or a total of 5.

The probable development of long range direction finders for post-war use tends more and more to remove from the lifeboat the need of proceeding under its own power to a point of rescue and instead makes possible the location of the boat and the dispatch of rescue craft to it. Such policy, of course, would require that each boat be equipped with an efficient transmitting apparatus, operable by anyone without special knowledge.

The Council took under study a report of the Administrative Management Division looking toward a simplification and standardization of Marine Inspection Memoranda which would permit their being issued in a uniform manner. While this would be of primary interest to the inspec-

tion force in the field, copies would be available for the industry so that they could at all times keep abreast of current instructions.

The Load Line Act, 46 U. S. C. 85-85g, as it applies to foreign vessels has been waived to permit vessels of allied foreign nations engaged in business connected with the conduct of the war to load to the same seasonal load lines permitted for vessels of the United States proceeding on similar voyages. This waiver is effective only if the foreign vessels are marked with load lines in accordance with the provisions of the International Load Line Convention and have on board a valid Load Line Certificate.

The Council approved the issuance of Navigation and Vessel Inspection Circular No. 57, dated 1 February 1945, which is set forth in full in the Appendix. This circular defines the eligibility of persons serving with the armed forces for merchant marine licenses. Sea experience obtained while serving with the armed forces of the United States may be used for an appropriate original or raise in grade of license. The Coast Guard in determining the grade and class of license for which an applicant is eligible will evaluate the nature of the duties and service of the applicant while with the armed forces. It should be noted that members of the armed forces will be permitted to omit the examination for intermediate grades of licenses if their experience is of such character that it qualifies them for a higher, or highest, grade of license. Members of the armed forces will be governed by the Rules and Regulations for licensing of merchant marine personnel which are in effect upon the date an applicant presents himself for examination.

A revised edition of "Suggestions Concerning Tank Vessel Operation During Wartime" (Restricted) has been issued. The changes made are a result of the experience and information obtained from the casualties which have occurred in the past two years. This revised edition, like the first edition, is divided into three parts. Part I, Suggested Safety Measures for the Guidance of Tanker Officers in Case of Attack by Submarines; Part II, The Gas-Freeing of

Tankers on the Ballast Voyage; and Part III, Suggestions for the Reduction of Oil Hazards in Marine Salvage Work.

The Council recommended to the Commandant for approval various items of equipment which may be found in the Appendix. The approval of one sea anchor was withdrawn because of the failure of the manufacturer to comply with Coast Guard requirements.

Result of Improper Boiler Cleaning

RECENT investigation by the Coast Guard in connection with the rapid deterioration of certain internal boiler fittings and tube ends indicated a severe condition of acid corrosion apparently caused by some agent introduced from an outside source. Laboratory examination of material removed from the boilers so affected showed that corrosion was of the general type; namely, chemical solution of the steel parts.

Further investigation disclosed the fact that a chemical process was employed in the internal cleaning of the boilers. Analysis of the cleaning solution indicated the presence of hydrochloric acid, and the material inspection indicated that the application of the chemical process was not carefully controlled. Cleaning of boilers, stills, and engine jackets by chemical methods has long been recognized as a satisfactory procedure in the maritime and allied industries; however, such procedure usually requires that inhibitors be used to eliminate the possible reaction between the chemical employed and the various metals subject to cleaning. Inhibitors lose their effectiveness during use largely through increase of temperature and thus it is required that temperature of the process liquid be checked and inhibitor replenished to maintain proportionate stability.

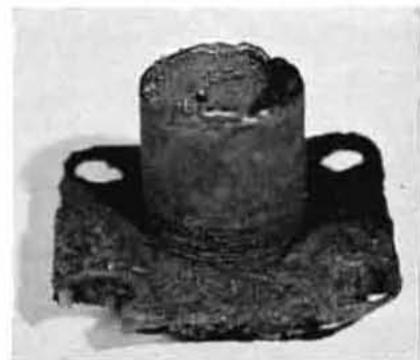
Hydrochloric acid is the base for many boiler-cleaning processes. The corrosive action of hydrochloric acid with elevated temperatures increases the activity of the solution as will be noted by the reproductions of deteriorated material shown in figures.

When chemical cleaning is employed, all traces of acid must be removed and the unit cleaned should be completely flushed out with fresh water to which may be added a dilute solution of Sodium Carbonate, Sodium Bicarbonate, or other neutralizing alkalis to counteract the corroding effect of the acid. Careful internal examination of the unit should be made by a competent inspector before closing up and resuming operations.

Improperly controlled chemical cleaning may result in serious damage to various parts of vital units and in some cases cause failure in operation. In order to obviate this possibility, it is recommended that Coast Guard inspectors be called upon to make appropriate surveys of all equipment where chemical cleaning processes are involved.



Internal flange fitting, desuperheater line, showing general corrosion and deterioration at threaded attachment.



Internal flange connection with section of desuperheater line showing general corrosion and deterioration of threaded connection.

Meeting of General Committee on International Safety at Sea Conference

ON FEBRUARY 7th the General Committee on the proposed International Safety at Sea Convention met in Washington, under the chairmanship of Vice Admiral R. R. Woesche, USCG, Commandant of the Coast Guard. The attendance embraced representatives of the various interested Federal agencies, including Assistant Secretary of State Will L. Clayton, members of Congress, shipbuilders, shipowners, marine underwriters, officers of the classification society, and officers of maritime unions.

Secretary Clayton, in the course of his address, explained the background of the meeting in these words:

The meeting which you are attending today is the result of action initiated by a special committee—a special shipping committee—which was organized in 1943 to advise the Secretary of State on shipping matters. This committee included representatives of appropriate government departments as well as members of Congress. On April 25, 1944, this committee recommended to the Secretary of State, among other things, that certain technical matters be made the subject of international convention and that an international conference be called to consider the revisions and improvements of the international agreements relative to the safety of life at sea, including the 1929 safety treaty. The committee recommended the establishment of a continuing technical committee composed of members from all maritime nations to study improved international standards of safety of navigation and to recommend them for adoption by their several respective countries.

Admiral Woesche made the following comments:

I feel certain that all Federal groups appreciate the natural apprehension that tends to arise in the minds of shipping men at the prospect of increased regulations which might still further handicap private American shipping in world competition. It may, therefore, be emphasized that the primary purpose of the proposed convention and of the study leading up to it is not to increase American requirements individually, but to agree upon an international set of standards which will bring the shipping of other nations as nearly to our present procedures as possible.

The group committees, composed in the main of the subcommittee chairmen, met at Coast Guard Headquarters to plan and discuss in detail their work. The chairmen were instructed as to the general scope of their committees and requested to organize their subcommittees at the earliest practicable time.

Securing Lifeboats

REPORTS from Coast Guard offices and other sources indicate that a large number of lifeboats and davits are being damaged or lost at sea. This is to be expected to a certain extent, of course, under wartime conditions, especially during heavy weather and with deeply loaded ships.

It does appear, however, that many of the lifeboats and davits are damaged or lost in heavy weather while such boats are carried in the outboard position. Section 153.3 (b) of Subchapter O, "Regulations Applicable to Certain Vessels and Shipping During Emergency," requires that the boats be carried in a "readiness for lowering" position, but only when, *in the opinion of the master, it can be done with safety.* For ready reference, the regulation is quoted as follows:

"Readiness for lowering. When in the opinion of the master it can be done with safety, all lifeboats attached to davits other than gravity davits shall be properly gripped in the outboard position so as to provide for

immediate lowering in case of emergency. On all vessels guys are to be rigged from the davit heads when the boats are carried in the outboard position."

Repair or replacement of lifesaving equipment, besides requiring an expenditure of manpower and materials, may result in delaying the departure of a vessel. In addition, defective lifesaving equipment does not afford the persons on board proper protection while at sea. For these reasons, lifeboats should be secured in the inboard position at the approach of, and during, heavy weather at sea. Boats should be swung in and gripped down on the chocks under weather conditions which are likely to damage the boats in order to keep damage to a minimum.

Hearing Units

COAST GUARD Merchant Marine Hearing Unit and Details, during the month of January 1945, handled cases involving 206 officers and 1,916 unlicensed men. In the case of officers,

4 were revoked, 37 were suspended, 67 were suspended on probation, 13 were voluntarily surrendered, 48 were admonitions, 37 were dismissed. Of the unlicensed personnel, 36 were revoked, 399 suspended, 822 were suspended on probation, 148 were voluntarily surrendered, 284 were admonitions, 227 were dismissed.

Navigation and Vessel Inspection Circulars

ADMINISTRATIVE actions taken by the Coast Guard which affect the maritime industry are immediately published in "Navigation and Vessel Inspection Circulars." These circulars are published in the Appendix of *The Proceedings*. However, any person who desires to obtain these Circulars as soon as they are issued may do so by writing the Executive Secretary, Merchant Marine Council, U. S. Coast Guard Headquarters, 13th and E Streets, Washington 25, D. C., requesting that his name be placed upon the Navigation and Vessel Inspection Circular mailing list.

APPENDIX

Amendments to Regulations

TITLE 46—SHIPPING

Chapter I—Coast Guard: Inspection and Navigation

Subchapter C—Motorboats and Certain Vessels Propelled by Machinery other than by Steam More Than 65 Feet in Length

PART 25—REQUIREMENTS FOR ALL MOTORBOATS EXCEPT THOSE OF OVER 15 GROSS TONS CARRYING PASSENGERS FOR HIRE

Part 25 is amended by changing certain names, words and phrases as follows:¹

1. In §§ 25.8-2, 25.8-4 (a), 25.8-4 (b) and 25.8-9 (a) "local inspectors" to "Officer in Charge, Marine Inspection".

2. In § 25.8-4 (a) "inspectors con-

sider" to "Officer in Charge, Marine Inspection considers".

3. In §§ 25.8-5 (a), 25.8-7 (a) and 25.8-7 (b) "inspectors" to "Officer in Charge, Marine Inspection".

4. In § 25.8-8 (b) "an office of local inspectors, the local inspectors" to "his office, the Officer in Charge, Marine Inspection", "local inspectors" to "Officer in Charge, Marine Inspection", "Director" to "Commandant" and "they shall" to "he shall".

1. Section 25.8-3 is hereby deleted.

2. Section 25.8-6 is hereby amended by deleting so much thereof as precedes the phrase "every person" and by changing the phrase "every person" to "Every person".

3. Sections 25.8-4, 25.8-5, 25.8-6, 25.8-7, 25.8-8, and 25.8-9 are hereby renumbered to be §§ 25.8-3, 25.8-4, 25.8-5, 25.8-6, 25.8-7, and 25.8-8, respectively. (10 F.R. 2041, 20 February 1945.)

Subchapter D—Tank Vessels

PART 36—LICENSED OFFICERS AND CERTIFICATED MEN

Part 36 is amended by changing certain names, words and phrases as follows:

1. In § 36.1-1 (a) "a United States inspector" to "the Coast Guard or predecessor authority".

2. In §§ 36.1-1 (a), 36.1-5 (d), 36.1-8 (b), 36.1-10 (c), 36.1-13 (d), 36.1-16 (b) and 36.1-16 (c) "board of local inspectors" to "Officer in Charge, Marine Inspection".

3. In §§ 36.1-1 (b), 36.5-4 (c), 36.7-1 (a) and 36.7-4 (c) "Inspectors" to "Officers in Charge, Marine Inspection".

4. In § 36.1-1 (b) "inspectors' office" to "office of the Officer in Charge, Marine Inspection" and "Department of Commerce" to "Coast Guard".

5. In §§ 36.1-1 (b), 36.1-4 (c), 36.1-5 (a), 36.1-5 (c), 36.1-5 (d), 36.1-9 (a), 36.1-10 (b), 36.1-13 (a), 36.1-13 (d), 36.1-19, 36.5-3 (a), 36.7-1 (a), 36.7-1 (b) (10), 36.7-3 (a) "inspectors" to "Officer in Charge, Marine Inspection".

6. In §§ 36.1-1 (b), 36.1-13 (b), 36.1-14 (b), 36.5-4 (e), 36.6-3 (a), 36.6-4 (e) and 36.7-1 (b) "inspectors" to "Officers in Charge, Marine Inspection".

7. In § 36.1-1 (e) "Local Inspectors" to "Officer in Charge, Marine Inspection", "Board of United States Local Inspectors" to "Officer in Charge, Marine Inspection" and "they have" to "he has".

8. In §§ 36.1-1 (f), 36.1-5 (d), 36.1-7, 36.1-8 (b), 36.1-9 (c), 36.1-9 (d), 36.1-13

¹By these amendments to regulations numerous names, words and phrases in certain sections, relating to the licensing and certifying of Merchant Marine personnel, of Subchapters C, D, G, H, I, J, and K of Chapter I of Title 46 CFR have been changed. For the convenience of the public, a compilation setting forth the text of these regulations as so amended has been prepared by the Coast Guard and is on file with the Division of the Federal Register. Copies may be obtained upon request made to The Commandant, United States Coast Guard Headquarters, Washington, D. C. (10 F.R. 2037, 20 February 1945.)

(c), 36.1-16 (b), 36.1-16 (c), 36.2-1 (a), 36.2-3 (a), 36.2-3 (b), 36.2-3 (c), 36.2-3 (f), 36.3-1, 36.3-2 (b) (26), 36.3-3, 36.3-4 (b) (26), 36.3-5, 36.3-6 (b) (21), 36.3-7, 36.3-8 (b) (15), 36.3-9, 36.3-10, 36.3-11, 36.3-12a, 36.3-13 (d), 36.3-14, 36.3-15, 36.3-16, 36.3-17, 36.3-18, 36.4-1, 36.4-2 (a) (26), 36.4-2 (b) (11), 36.4-3, 36.4-4 (a) (20), 36.4-4 (b) (10), 36.4-5, 36.4-6 (a) (15), 36.4-6 (b) (10), 36.4-7, 36.4-8 (a) (10), 36.5-1 (a), 36.5-1 (b), 36.5-2, 36.5-4 (b), 36.5-5, 36.5-6 first paragraph, 36.5-7, 36.5-8, 36.6-1 (a), 36.6-1 (b), 36.6-2, 36.6-4 (b), 36.6-5 first paragraph, 36.6-6 first paragraph, 36.6-7, 36.6-8, 36.7-2, 36.7-4 (b), 36.7-5 first paragraph, 36.7-6 first paragraph, 36.7-7, 36.7-8, "local inspectors" to "Officer in Charge, Marine Inspection".

9. In §§ 36.1-2 (d), 36.1-10 (b), 36.3-13 (c) and 36.6-4 (c) "Inspectors" to "The Officer in Charge, Marine Inspection".

10. In §§ 36.1-3 (c), 36.1-3 (d), 36.1-16 (b), 36.1-16 (c) and 36.1-17 "Director" to "Commandant".

11. In §§ 36.1-3 (d) and 36.1-4 (f) "inspector" to "Officer in Charge, Marine Inspection".

12. In § 36.1-5 (a) "a board of local inspectors" to "an Officer in Charge, Marine Inspection".

13. In § 36.1-5 (d) "supervising inspector" to "District Coast Guard Officer".

14. In § 36.1-8 (a) "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "department" to "the Coast Guard", and "their jurisdiction" to "his jurisdiction".

15. § 36.1-8 (b) "Local inspectors" to "An Officer in Charge, Marine Inspection".

16. In §§ 36.1-8 (b) and 36.1-14 (a) "board" to "Officer in Charge, Marine Inspection".

17. In § 36.1-8 (b) "they are" to "he is".

18. In §§ 36.1-8 (b) and 36.1-10 (b) "Department" to "Coast Guard."

19. In §§ 36.1-9 (c), 36.1-10 (a), 36.5-3 (b), 36.5-5 (f), 36.5-6 (h), 36.6-3 (c), 36.6-5 (f), 36.6-6 (i), 36.7-3 (c), 36.7-5 (d) and 36.7-6 (g) "local inspectors" to "Officer in Charge, Marine Inspection".

20. In §§ 36.1-9 (c) "inspector's office" to "his office."

21. In §§ 36.1-9 (d), 36.3-13 (d), 36.5-2, 36.6-2 and 36.7-2 "they shall" to "he shall."

22. In §§ 36.1-10 (a) "their office" to "his office."

23. In §§ 36.1-10 (c) "it may" to "he may."

24. In § 36.1-11 "an official publication containing the Inspection Laws governing the Bureau" to "the laws governing marine inspection" and "Board of Supervising Inspectors" to "Commandant."

25. In § 36.1-12 (d) "Local inspectors" to "Inspectors."

26. In § 36.1-13 (a) "upon their" to "in his."

27. In § 36.1-13 (d) "board of local inspectors or supervising inspector" to "Officer in Charge, Marine Inspection", "local board or supervising inspector" to "Officer in Charge, Marine Inspection", "they shall" to "he shall," "in their office" to "in his office," "color blindness" to "color sense," and "them" to "him."

28. In § 36.1-14 (a) "local board" to "Officer in Charge, Marine Inspection."

29. In § 36.1-16 (b) "an office of local inspectors" to "his office."

30. § 36.1-17 "local inspectors or the supervising inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer".

31. In § 36.1-18 (a) "a supervising, local, or assistant inspector or steam vessels or any of them" to "an inspector".

32. In § 36.2-2 (e) "Bureau" to "Headquarters".

33. In §§ 36.3-2 (b) (25), 36.3-4 (b) (25), 36.3-6 (b) (20), 36.3-8 (b) (14), 36.4-2 (a) (25), 36.4-2 (b) (10), 36.4-4 (a) (19), 36.4-4 (b) (9), 36.4-6 (a) (14), 36.4-6 (b) (9), and 36.4-8 (a) (9) "Board of Supervising Inspectors" to "Commandant".

34. In §§ 36.5-3 (b), 36.6-3 (c) and 36.7-3 (c) "themselves" to "himself".

35. In §§ 36.5-5 (f), 36.5-6 (h), 36.6-5 (f) and 36.6-6 (i) "find" to "finds".
(10 F.R. 2037, 20 February 1945.)

1. Section 36.1-1 is hereby amended as follows:

a. So much of the second sentence of paragraph (e) thereof as precedes the colon is deleted; and

b. In lieu of the matter so deleted, there is inserted the following: Acceptable evidence of such citizenship is described below in the order of its desirability, except that the first six (6) acceptable methods will be assigned equal weight:."

2. Section 36.1-2 is hereby amended as follows:

The first sentence of paragraph (b) thereof is deleted.

3. Section 36.1-4 is hereby amended as follows:

a. Paragraph (d) thereof is deleted; and

b. Paragraphs (e), (f), (g), and (h) thereof are relettered to be paragraphs (d), (e), (f), and (g), respectively.

4. Section 36.1-12 is hereby amended as follows:

a. Paragraph (b) thereof is deleted; and

b. Paragraphs (c), (d), and (e) thereof are relettered to be paragraphs (b), (c), and (d), respectively.

5. Section 36.2-1 is hereby amended so as to be identical with § 138.3 of this chapter, as amended.

6. Section 36.2-2 is hereby amended so as to be identical with § 138.4 of this chapter, as amended.

7. Section 36.3-12 is hereby amended as follows:

a. Paragraph (c) thereof is amended so as to read as follows:

(c) Three years' service as licensed engineer of steam vessels on Great Lakes, bays, sounds, and lakes other than the Great Lakes, and rivers, for license of appropriate tonnage; or, (10 F.R. 2041, 20 February 1945.)

Subchapter G—Ocean and Coastwise: General Rules and Regulations

PART 61—FIRE APPARATUS; FIRE PREVENTION

Part 61 is amended by the addition of a new section 61.5a *Couplings on fire hose* to follow § 61.5 and this section reads as follows:

§ 61.5a *Couplings on fire hose.* The couplings on fire hose shall be of brass, copper, or composition material.

Section 61.12 is amended to read as follows:

§ 61.12 *Fire mains and hose connections.* All pipes used as mains for conducting water from fire pumps on steam vessels in place of hose shall be of steel, wrought iron, brass, or copper with wrought iron, brass, or composition hose connections.

PART 62—LICENSED OFFICERS AND CERTIFICATED MEN

Part 62 is amended by changing certain names, words and phrases as follows:

1. In § 62.1 (a) "a Board of Local Inspectors" to "the Coast Guard or predecessor authority" and "board of local inspectors" to "Officer in Charge, Marine Inspection".

2. In § 62.1 (b) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection", "Board's office" to "Office of the Officer in Charge, Marine Inspection", "Board" to "Officer in Charge, Marine Inspection" and "they shall" to "he shall".

3. In §§ 62.1 (e), 62.48 last paragraph, and 62.110 (b) "Local Inspectors" to "Officer in Charge, Marine Inspection".

4. In §§ 62.1 (e) and 62.110 (b) "Board of United States Local Inspectors" to "Officer in Charge, Marine Inspection" and "they have" to "he has".

5. In § 62.2 "Director of the Bureau of Marine Inspection and Navigation" to "Commandant", and "inspector" to "Officer in Charge, Marine Inspection".

6. In §§ 62.3, 62.4, 62.10, 62.48, 62.111 (a), 62.111 (d), 62.116 (a) and 62.116 (d) "inspectors" to "Officer in Charge, Marine Inspection".

7. In §§ 62.3, 62.5 (a), 62.7 (a) and 62.102 (b) "inspector" to "Officer in Charge, Marine Inspection".

8. In § 62.4 "a board of local inspectors" to "an Officer in Charge, Marine Inspection".

9. In §§ 62.4, 62.10, 62.30, 62.31 (b) (26), 62.32, first paragraph, 62.33 (a) (26), 62.33 (b) (11), 62.34, 62.35 (b) (13), 62.36, 62.36a (b) (26), 62.37, 62.38 (b) (21), 62.39, 62.40 (b) (15), 62.41, 62.41a (a) (20), 62.41a (b) (10), 62.42, 62.43 (a) (15), 62.43 (b) (10), 62.44, 62.45 (b) (10), 62.46, 62.47, 62.50, 62.51, 62.52, 62.54, 62.55, 62.56, 62.57, 62.58, 62.63 (d) (1), and 62.204 (c) "local inspectors" to "Officer in Charge, Marine Inspection".

10. In § 62.6 "Local inspectors" to "Officers in Charge, Marine Inspection".

11. In §§ 62.7 (b) and 62.7 (c) "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer".

12. In § 62.9 "inspectors" to "Officer in Charge, Marine Inspection", "their official files" to "his official files", "local inspectors" to "Officer in Charge, Marine Inspection", "a Merchant Marine Inspector in Charge or a Supervising Merchant Marine Inspector" to "an Officer in Charge, Marine Inspection or the District Coast Guard Officer", "Merchant Marine Inspector in Charge, or the Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer", "inspectors" to "Officer in Charge, Marine Inspection", "known to them" to "known to him", "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer" and "inspector" to "Officer in Charge Marine Inspection".

13. In § 62.10 "their office" to "his office", and "it may" to "he may".

14. In §§ 62.10, 62.49, and 62.54 "Inspectors" to "Officers in Charge, Marine Inspection".

15. In § 62.10 "department" to "Coast Guard".

16. In §§ 62.10, 62.63 (d) (2) and 62.117 (b) "board of local inspectors" to "Officer in Charge, Marine Inspection".

17. In §§ 62.11, 62.113 (b) and 62.116 (f) "inspectors" to "Officers in Charge, Marine Inspection".

18. In § 62.13 "local inspectors or the supervising inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer".

19. In §§ 62.13 and 62.119 (b) "Director" to "Commandant".

20. In § 62.15 "inspectors" to "Officer in Charge, Marine Inspection" and "may find" to "finds".

21. In §§ 62.31 (b) (25), 62.33 (a) (25), 62.33 (b) (10), 62.36a (b) (25), 62.38 (b) (20), 62.40 (b) (14), 62.41a (a) (19), 62.41a (b) (9), 62.43 (a) (14), 62.43 (b) (9) and 62.45 (b) (9)

"Board of Supervising Inspectors" to "Commandant".

22. In §§ 62.32 (i), 62.48, 62.53a, 62.58a and 62.111 (e) "local inspectors" to "Officer in Charge, Marine Inspection".

23. In §§ 62.47, 62.48 and 62.54 "they shall" to "he shall".

24. In § 62.48 "inspector's office" to "his office".

25. In § 62.62 (e) "Bureau" to "Headquarters".

26. § 62.63 (d) (2) "board" to "the Officer in Charge, Marine Inspection".

27. In § 62.110 (a) "United States Local Inspectors" to "Coast Guard or predecessor authority", "Bureau" to "Coast Guard" and "Board of Local Inspectors" to "an Officer in Charge, Marine Inspection".

28. In §§ 62.111 (a) and 62.120 "Bureau" to "Coast Guard".

29. In §§ 62.111 (c), 62.116 (a) and 62.204 (a) "a Board of Local Inspectors" to "an Officer in Charge, Marine Inspection".

30. In § 62.111 (e) "their office" to "his office".

31. In § 62.113 (a) "local board" to "Officer in Charge, Marine Inspection", "a local board" to "an Officer in Charge, Marine Inspection" and "board" to "Officer in Charge, Marine Inspection".

32. In § 62.114 (d) "one of the local inspectors" to "an Officer in Charge, Marine Inspection" and "upon their official" to "upon his official".

33. In § 62.115 "Board of Supervising Inspectors" to "Commandant".

34. In § 62.116 (b) "Local Board or Supervising Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer" and "inspectors" to "Officer in Charge, Marine Inspection".

35. In §§ 62.116 (c) and 62.204 (d) (3) "Board of Local Inspectors" to "Officer in Charge, Marine Inspection".

36. In § 62.117 (a) "board of local inspectors" to "Officer in Charge, Marine Inspection", and "it may" to "he may".

37. In § 62.117 (b) "board" to "Officer in Charge, Marine Inspection".

38. In § 62.118 (b) "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "an office of local inspectors, the local inspectors" to "his office, the Officer in Charge, Marine Inspection" and "Director" to "Commandant".

39. In § 62.119 (a) "Local Inspectors or Supervising Inspector" to "Officer in Charge, Marine Inspection" and "Director" to "Commandant".

40. In § 62.131 (a) "Local Inspectors" to "Officers in Charge, Marine Inspection".

41. In § 62.204 (d) (3) "Board" to "Officer in Charge, Marine Inspection" and "the Bureau" to "Headquarters".

42. In §§ 62.204 (d) (3) and 62.204 (m) "Secretary of Commerce" to "Commandant".

43. In § 62.204 (e) "a Board of United States Local Inspectors" to "an Officer in Charge, Marine Inspection".

44. In § 62.204 (f) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection".

45. In § 62.204 (h) "the Bureau of Marine Inspection and Navigation at Washington" to "Headquarters".

46. In § 62.204 (m) "Director of the Bureau of Marine Inspection and Navigation" to "Commandant".

47. In § 62.204 (o) "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "local inspectors" to "Officer in Charge, Marine Inspection", "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "they shall" to "he shall". (10 F.R. 2038, 20 February 1945.)

1. Section 62.1 (e) is hereby amended so as to be identical with § 36.1-1 (e) of this chapter, as amended.

2. Section 62.49 is hereby amended as follows:

The first sentence of the second paragraph thereof is deleted.

3. Section 62.53 is hereby amended as follows:

Paragraph (c) thereof is amended so as to read as follows:

(c) Three years' service as licensed engineer of steam vessels on Great Lakes, bays, sounds and lakes other than the Great Lakes, and rivers, for license of appropriate tonnage; or,

4. Section 62.62 is hereby amended so as to be identical with § 138.4 of this chapter, as amended.

5. Section 62.63 is hereby amended so as to be identical with § 138.3 of this chapter, as amended.

6. Section 62.110 (b) is hereby amended so as to be identical with § 36.1-1 (e) of this chapter, as amended.

7. Section 62.114 is hereby amended as follows:

a. Paragraph (b) thereof is deleted; and

b. Paragraphs (c) and (d) thereof are relettered to be paragraphs (b) and (c), respectively.

8. Section 62.120 is hereby amended as follows: After "Galveston, Tex.;" insert "Houston, Tex.;"

9. Section 62.204 is hereby amended as follows:

a. So much of the second sentence of paragraph (c) thereof as precedes the colon is deleted; and

b. In lieu of the matter so deleted, there is inserted the following: "Acceptable evidence of such citizenship is described below in the order of its desirability, except that the first six (6) acceptable methods will be assigned equal weight:"

c. There is added to paragraph (d) thereof, immediately following the

unnumbered subparagraph captioned "Junior Assistant Purser", a new unnumbered subparagraph reading as follows:

Junior Assistant Purser and Pharmacist's Mate: A rating of at least Pharmacist's Mate, First Class, in the U. S. Navy, U. S. Coast Guard, U. S. Maritime Service, or an equivalent rating in the U. S. Army (not less than Technical Sergeant, Medical Department, U. S. A.), and a period of service of at least one (1) month in a U. S. Naval, U. S. Marine, or U. S. Army Hospital.

d. Paragraph (i) thereof is deleted; and

e. Paragraphs (j), (k), (l), (m), (n), (o), (p) and (q) are relettered to be paragraphs (i), (j), (k), (l), (m), (n), (o), and (p) respectively. (10 F.R. 2041, 20 February 1945.)

Subchapter H—Great Lakes: General Rules and Regulations

PART 77—FIRE APPARATUS; FIRE PREVENTION

Section 77.12 is amended to read as follows:

§ 77.12 *Fire mains and hose connections.* (See § 61.12 of this chapter, as amended, which is identical with this section.)

PART 78—LICENSED OFFICERS AND CERTIFICATED MEN

Part 78 is amended by changing certain names, words and phrases as follows:

1. In § 78.1 (a) "a Board of Local Inspectors" to "the Coast Guard or predecessor authority" and "board of local inspectors" to "Officer in Charge, Marine Inspection".

2. In § 78.1 (b) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection", "Board's office" to "office of the Officer in Charge, Marine Inspection", "Board" to "Officer in Charge, Marine Inspection" and "they shall" to "he shall".

3. In § 78.1 (c) "Local Inspectors" to "Officer in Charge, Marine Inspection", "Board of United States Local Inspectors" to "Officer in Charge, Marine Inspection" and "they have" to "he has".

4. In § 78.2 "Director of the Bureau of Marine Inspection and Navigation" to "Commandant", and "inspector" to "Officer in Charge, Marine Inspection".

5. In § 78.3 "inspectors" to "Officer in Charge, Marine Inspection" and "inspector" to "Officer in Charge, Marine Inspection".

6. In § 78.4 "inspectors" to "Officer in Charge, Marine Inspection", "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "local inspectors" to "Officer in Charge, Marine Inspection", "supervising inspector" to "District Coast Guard Officer", and "board of local inspectors" to "Officer in Charge, Marine Inspection".

7. In §§ 78.5 (a) and 78.7 (a) "inspector" to "Officer in Charge, Marine Inspection".

8. In § 78.6 "Local inspectors" to "Officer in Charge, Marine Inspection".

9. In § 78.7 (b) "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer".

10. In § 78.7 (c) "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer".

11. In § 78.9 "inspectors" to "Officer in Charge, Marine Inspection", "their official files" to "his official files", "local inspectors" to "Officer in Charge, Marine Inspection", "a Merchant Marine Inspector in Charge or a Supervising Merchant Marine Inspector", to "an Officer in Charge, Marine Inspection or the District Coast Guard Officer", "Merchant Marine Inspector in Charge or the Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer", "inspectors" to "Officer in Charge, Marine Inspection", "known to them" to "known to him", "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer" and "inspector" to "Officer in Charge, Marine Inspection".

12. In § 78.10 "local inspectors" to "Officer in Charge, Marine Inspection", "their office" to "his office", "Inspectors" to "The Officer in Charge, Marine Inspection", "department" to "Coast Guard", "inspectors" to "Officer in Charge, Marine Inspection", "board of local inspectors" to "Officer in Charge, Marine Inspection" and "they may remove" to "he may remove".

13. In §§ 78.11 and 78.42 "inspectors" to "Officers in Charge, Marine Inspection".

14. In § 78.13 "local inspectors or the supervising inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer" and "Director" to "Commandant".

15. In §§ 78.15, 78.31 and 78.36 "inspectors" to "Officer in Charge, Marine Inspection".

16. In § 78.15 "may find" to "finds".

17. In §§ 78.30, 78.31, 78.35, 78.45, 78.46, 78.48, 78.49, 78.50, 78.51, 78.54 (d) (1) and 78.105 (c) "local inspectors" to "Officer in Charge, Marine Inspection".

18. In § 78.33 "local inspectors" to "Officer in Charge, Marine Inspection" and "they shall grant" to "he shall grant".

19. In § 78.36 "local inspectors" to "Officer in Charge, Marine Inspection", and "themselves" to "himself".

20. In § 78.40 "local inspectors" to

"Officer in Charge, Marine Inspection", "local inspectors are" to "Officer in Charge, Marine Inspection is" and "they shall issue" to "he shall issue".

21. In §§ 78.42 and 78.47 "Inspectors" to "Officers in Charge, Marine Inspection".

22. In §§ 78.43 and 78.44 "local inspectors" to "Officer in Charge, Marine Inspection" and "if the local inspectors, upon examination, find him qualified" to "if the Officer in Charge, Marine Inspection, upon examination, finds him qualified".

23. In § 78.54b (d) (2) "board" to "the Officer in Charge, Marine Inspection", "board of local inspectors" to "Officer in Charge, Marine Inspection".

24. In § 78.54a (e) "Bureau" to "Headquarters".

25. In § 78.105 (a) "a Board of Local Inspectors" to "an Officer in Charge, Marine Inspection".

26. In § 78.105 (d) (3) "Board of Local Inspectors" to "Officer in Charge, Marine Inspection", "Board" to "Officer in Charge, Marine Inspection", "the Bureau" to "Headquarters" and "Secretary of Commerce" to "Commandant".

27. In § 78.105 (e) "a Board of United States Local Inspectors" to "an Officer in Charge, Marine Inspection".

28. In § 78.105 (f) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection".

29. In § 78.105 (h) "the Bureau of Marine Inspection and Navigation at Washington" to "Headquarters".

30. In § 78.105 (m) "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "Secretary of Commerce" to "Commandant".

31. In § 78.105 (o) "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "local inspectors" to "Officer in Charge, Marine Inspection", "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "they shall" to "he shall". (10 F.R. 2039, 20 February 1945.)

1. Section 78.1 is hereby amended so as to be identical with § 62.1 of this chapter, as amended.

2. Section 78.54a is hereby amended so as to be identical with § 138.4 of this chapter, as amended.

3. Section 78.54b is hereby amended so as to be identical with § 138.3 of this chapter, as amended.

4. Section 78.105 is hereby amended so as to be identical with § 62.204 of this chapter, as amended. (10 F.R. 2041, 20 February 1945.)

Subchapter I—Bays, Sounds and Lakes Other Than the Great Lakes: General Rules and Regulations

PART 95—FIRE APPARATUS; FIRE PREVENTION

Section 95.12 is amended to read as follows:

§ 95.12 *Fire mains and hose connections.* (See § 61.12 of this chapter, as amended, which is identical with this section.)

PART 96—LICENSED OFFICERS AND CERTIFICATED MEN

Part 96 is amended by changing certain names, words and phrases as follows:

1. In § 96.1 (a) "a Board of Local Inspectors" to "the Coast Guard or predecessor authority" and "board of local inspectors" to "Officer in Charge, Marine Inspection".

2. In § 96.1 (b) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection", "Board's office" to "Office of the Officer in Charge, Marine Inspection", "Board" to "Officer in Charge, Marine Inspection" and "they shall" to "he shall".

3. In § 96.1 (e) "Local Inspectors" to "Officer in Charge, Marine Inspection", "Board of United States Local Inspectors" to "Officer in Charge, Marine Inspection" and "they have" to "he has".

4. In § 96.2 "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "Inspectors" to "Officer in Charge, Marine Inspection".

5. In §§ 96.3, 96.4, 96.30 and 96.35 "inspectors" to "Officer in Charge, Marine Inspection".

6. In §§ 96.3, 96.5 (a) and 96.7 (a) "inspector" to "Officer in Charge, Marine Inspection".

7. In § 96.4 "a board of local inspectors" to "an Officer in Charge, Marine Inspection".

8. In §§ 96.4, 96.29, 96.30, 96.34, 96.35, 96.41, 96.44, 96.45, 96.47, 96.48, 96.49, 96.50 and 96.55 (d) (1) "local inspectors" to "Officer in Charge, Marine Inspection".

9. In § 96.6 "Local inspectors" to "Officers in Charge, Marine Inspection".

10. In §§ 96.7 (b) and 96.7 (c) "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer".

11. In § 96.9 "inspectors" to "Officer in Charge, Marine Inspection," "their official files" to "his official files," "local inspectors" to "Officer in Charge, Marine Inspection," "a Merchant Marine Inspector in Charge or a Supervising Merchant Marine Inspector" to "an Officer in Charge, Marine Inspection or the District Coast Guard Officer," "Merchant Marine Inspector in Charge or the Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer", "inspectors" to "Officer in Charge, Marine Inspection," "known to them" to "known to him," "Merchant Marine Inspector in Charge or Supervising

Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or District Coast Guard Officer" and "inspector" to "Officer in Charge, Marine Inspection."

12. In § 96.10 "local inspectors" to "Officer in Charge, Marine Inspection", "their office" to "his office," "Inspectors" to "The Officer in Charge, Marine Inspection," "department" to "Coast Guard," "inspectors" to "Officer in Charge, Marine Inspection," "board of local inspectors" to "Officer in Charge, Marine Inspection" and "they may remove" to "he may remove."

13. In §§ 96.11 and 96.41 "inspectors" to "Officers in Charge, Marine Inspection".

14. In § 96.13 "local inspectors or the supervising inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer", and "Director" to "Commandant".

15. In § 96.15 "inspectors" to "Officer in Charge, Marine Inspection" and "may find" to "finds".

16. In § 96.32 "local inspectors" to "Officer in Charge, Marine Inspection" and "they shall grant" to "he shall grant".

17. In § 96.39 "local inspectors" to "Officer in Charge, Marine Inspection", "local inspectors are" to "Officer in Charge, Marine Inspection is" and "they shall issue" to "he shall issue".

18. In § 96.41 "Inspectors" to "the Officer in Charge, Marine Inspection."

19. In §§ 96.42 and 96.43 "local inspectors" to "Officer in Charge, Marine Inspection" and "find" to "finds".

20. In § 96.46 "Inspectors" to "Officers in Charge, Marine Inspection".

21. In § 96.54 (e) "Bureau" to "Headquarters".

22. In § 96.55 (d) (2) "board" to "the Officer in Charge, Marine Inspection", "board of local inspectors" to "Officer in Charge, Marine Inspection". (10 F.R. 2039, 20 February 1945.)

1. Section 96.1 is hereby amended so as to be identical with § 62.1 of this chapter, as amended.

2. Section 96.54 is hereby amended so as to be identical with § 138.4 of this chapter, as amended.

3. Section 96.55 is hereby amended so as to be identical with § 138.3 of this chapter, as amended. (10 F.R. 2041, 20 February 1945.)

Subchapter J—Rivers: General Rules and Regulations

PART 114—FIRE APPARATUS: FIRE PREVENTION

Section 114.14 is amended to read as follows:

§ 114.14 *Fire mains and hose connections.* (See § 61.12 of this chapter, as amended, which is identical with this section.)

PART 115—LICENSED OFFICERS

Part 115 is amended by changing certain names, words and phrases as follows:

1. In § 115.1 (a) "a Board of Local Inspectors" to "the Coast Guard or predecessor authority" and "Board of local inspectors" to "Officer in Charge, Marine Inspection".

2. In § 115.1 (b) "A Board of Local Inspectors" to "An Officer in Charge, Marine Inspection", "Board's office" to "office of the Officer in Charge, Marine Inspection", "Board" to "Officer in Charge, Marine Inspection" and "they shall" to "he shall".

3. In § 115.1 (e) "Local Inspectors" to "Officer in Charge, Marine Inspection", "Board of United States Local Inspectors" to "Officer in Charge, Marine Inspection", and "they have" to "he has".

4. In § 115.2 "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "inspector" to "Officer in Charge, Marine Inspection".

5. In §§ 115.3, 115.4, 115.28, 115.29 and 115.34 "inspectors" to "Officer in Charge, Marine Inspection".

6. In §§ 115.3, 115.5 (a) and 115.7 (a) "inspector" to "Officer in Charge, Marine Inspection".

7. In § 115.4 "a board of local inspectors" to "an Officer in Charge, Marine Inspection".

8. In §§ 115.4, 115.29, 115.31, 115.33, 115.39, 115.40, 115.41, 115.42, 115.43, 115.48, 115.49, 115.50 and 115.51 "local inspectors" to "Officer in Charge, Marine Inspection".

9. In § 115.6 "Local inspectors" to "Officers in Charge, Marine Inspection".

10. In §§ 115.7 (b) and 115.7 (c) "Merchant Marine Inspector in Charge or Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer".

11. In § 115.9 "inspectors" to "Officer in Charge, Marine Inspection", "local inspectors" to "Officer in Charge, Marine Inspection", "a Merchant Marine Inspector in Charge or a Supervising Merchant Marine Inspector" to "an Officer in Charge, Marine Inspection or the District Coast Guard Officer", "Merchant Marine Inspector in Charge or the Supervising Merchant Marine Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer", "inspectors" to "Officer in Charge, Marine Inspection", "known to them" to "known to him", "Merchant Marine Inspector in Charge or Supervising Merchant Inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer" and "inspector" to "Officer in Charge, Marine Inspection".

12. In § 115.10 "local inspectors" to "Officer in Charge, Marine Inspection", "their office" to "his office", "Inspectors" to "Officers in Charge, Marine Inspection", "department" to "Coast Guard", "inspectors" to "Officer in Charge, Marine Inspection", "board of local inspectors" to "Officer in Charge, Marine Inspection" and "they may remove" to "he may remove".

13. In § 115.11 "inspectors" to "Officers in Charge, Marine Inspection".

14. In § 115.13 "local inspectors or the supervising inspector" to "Officer in Charge, Marine Inspection or the District Coast Guard Officer", and "Director" to "Commandant".

15. In § 115.15 "inspectors" to "Officer in Charge, Marine Inspection" and "may find" to "finds".

16. In §§ 115.28, 115.39 and 115.47 "Inspectors" to "Officers in Charge, Marine Inspection".

17. In § 115.34 "local inspectors" to "Officer in Charge, Marine Inspection".

18. In § 115.38 "local inspectors" to "Officer in Charge, Marine Inspection", "local inspectors are" to "Officer in Charge, Marine Inspection is", "they are" to "he is" and "they shall" to "he shall". (10 F.R. 2040, 20 February 1945.)

1. Section 115.1 is hereby amended so as to be identical with § 62.1 of this chapter, as amended. (10 F.R. 2042, 20 February 1945.)

Subchapter K—Seamen

PART 131—HOURS OF LABOR ON SHIPBOARD

Part 131 is amended by changing certain names, words and phrases as follows:

1. In § 131.4 "Local inspectors" to "Officers in Charge, Marine Inspection".

2. In § 131.6 "of the Bureau of Marine Inspection and Navigation of this Department" to "and inspectors of the Coast Guard".

PART 133—DESIGNATION OF APPROVAL OF NAUTICAL SCHOOL SHIPS; RULES FOR CONDUCT OF SCHOOL SHIPS

Part 133 is amended by changing a name as follows:

In § 133.0 "Secretary of Commerce" to "Commandant".

PART 135—LANGUAGE TEST FOR SEAMEN

Part 135 is amended by changing a name as follows:

In § 135.1 "Department" to "Commandant". (10 F.R. 2040, 20 February 1945.)

PART 136—"A" MARINE INVESTIGATION BOARD RULES

1. Section 136.106 is hereby amended as follows:

At the end of paragraph (h) thereof there is added the following:

No person whose license or certificate has been revoked, is under suspension, or is being proceeded against shall be issued any other license or certificate except upon approval of the Commandant. However, where a Hearing Officer decides that the person charged is incompetent in the grade of license or certificate he holds, but would be competent in a lower grade, the Hearing Officer may revoke the license or certificate and, without requiring a complete formal examination, may provide for the issuance of another license or certificate of a grade for which the person charged would be competent. (10 F.R. 2042, 20 February 1945.)

PART 138—RULES AND REGULATIONS FOR ISSUANCE OF CERTIFICATES AND CONTINUOUS DISCHARGE BOOKS

Part 138 is amended by changing certain names, words and phrases as follows:

1. In § 138.1 (a) "Department of Commerce" to "Coast Guard".

2. In § 138.1 (b) "one of the local inspectors" to "an Officer in Charge, Marine Inspection".

3. In §§ 138.1 (c) and 138.8 (e) "a board of local inspectors" to "an Officer in Charge, Marine Inspection".

4. In § 138.1 (h) "a board of local inspectors or their assistant inspectors" to "an inspector".

5. In §§ 138.1 (i), 138.3 (d) (2), 138.5 (b) and 138.8 (c) "board" to "Officer in Charge, Marine Inspection".

6. In § 138.1 (j) "the Bureau of Marine Inspection and Navigation" to "Headquarters" and "Bureau" to "Headquarters".

7. In § 138.1 (k) (9) "U. S. Local Inspectors" to "Officers in Charge, Marine Inspection" and "U. S. Local Inspector" to "Officer in Charge, Marine Inspection".

8. In § 138.1 (l) "United States local or assistant inspector" to "Officer in Charge, Marine Inspection".

9. In § 138.2 (a) "Board of Supervising Inspectors" to "Commandant".

10. In § 138.2 (b) "United States local inspectors of steam vessels" to "Officer in Charge, Marine Inspection".

11. In §§ 138.3 (d) (1), 138.5 (b), 138.6 (a), 138.6 (b), 138.6 (c), 138.6 (d), 138.6 (f), 138.7 (a), 138.7 (b), 138.7 (c), 138.7 (f) and 138.8 (h) "local inspectors" to "Officer in Charge, Marine Inspection".

12. In §§ 138.3 (d) (2), 138.5 (c), 138.8 (a), and 138.8 (b) "board of local inspectors" to "Officer in Charge, Marine Inspection".

13. In § 138.4 (e) "Bureau" to "Headquarters".

14. In § 138.5 (a) "a board of local inspectors of the Bureau of Marine Inspection and Navigation" to "the Coast Guard or predecessor authority", "such inspectors" to "the Officer

in Charge, Marine Inspection" and "Secretary of Commerce" to "Commandant".

15. In § 138.8 (b) "the Bureau" to "Coast Guard Headquarters" and "local office" to "office of the Officer in Charge, Marine Inspection".

16. In § 138.8 (c) "inspectors" to "Officers in Charge, Marine Inspection".

17. In § 138.8 (d) "each member of the issuing board" to "the Officer in Charge, Marine Inspection or the officer, inspector or person acting for him".

18. In § 138.8 (d-1) "U. S. Local Inspectors, Assistant Inspectors," to "the Officer in Charge, Marine Inspection, or the officer, inspector or person".

19. In § 138.8 (g) "Board of Local Inspectors" to "Officer in Charge, Marine Inspection", "its determination" to "his determination", "it shall" to "he shall", "Director" to "Commandant", "board" to "Officer in Charge, Marine Inspection" and "Bureau's" to "Headquarters".

20. In § 138.8 (h) "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "Director of the Bureau of Marine Inspection and Navigation" to "Commandant" and "they shall report" to "he shall report".

21. In § 138.8 (i) "Board of Local Inspectors" to "Officer in Charge, Marine Inspection" and "Bureau of Marine Inspection and Navigation" to "Commandant".

22. In § 138.9 (b) "issued by the Bureau of Marine Inspection and Navigation" to "issued by the Coast Guard or predecessor authority".

23. In §§ 138.9 (b), 138.9 (c) and 138.9 (e) "Bureau of Marine Inspection and Navigation" to "Commandant".

24. In § 138.9 (d) "United States local inspector of steam vessels" to "an Officer in Charge, Marine Inspection" and "Director of the Bureau of Marine Inspection and Navigation" to "Commandant".

25. In § 138.9 (f) "Bureau" to "Commandant".

26. In § 138.11 "Bureau of Marine Inspection and Navigation" to "Coast Guard", "local inspector" to "Officer in Charge, Marine Inspection", "a board of local inspectors" to "an Officer in Charge, Marine Inspection", "U. S. local inspectors of steam vessels" to "the Officer in Charge, Marine Inspection" and "U. S. local inspectors" to "the Officer in Charge, Marine Inspection".

Above amendments of §§ 36.1-17, 62.13, 62.119, 62.204 (m), 78.13, 78.105 (m), 96.13 and 115.13 are not to be construed as limiting the scope or application of the Temporary Wartime Rules as set forth in § 136.101. (10 F.R. 2040, 20 February 1945.)

1. Section 138.1 is hereby amended as follows:

a. So much of paragraph (k) thereof as precedes the colon is deleted; and

b. In lieu of the matter so deleted there is inserted the following: "Acceptable evidence of citizenship is described below in the order of its desirability, except that the first six (6) acceptable methods will be assigned equal weight:"

2. Section 138.2 is hereby amended as follows:

a. Paragraph (c) thereof is deleted; and

b. Paragraphs (d) and (e) thereof are relettered to be paragraphs (c) and (d) respectively.

3. Section 138.3 is hereby amended as follows:

In subparagraph (2) of paragraph (e) thereof, following the third sentence of said subparagraph, there is inserted the following:

Successful completion of a course of training of at least 3 months divided approximately equally between school ship and shore station at a Maritime Service Training School approved by the Commandant, plus 3 months' service on deck at sea aboard ocean or coastwise vessels may also be accepted in lieu of the 9 months deck service specified in this section.

4. Section 138.4 is hereby amended as follows:

At the end of subparagraph (5) of paragraph (a) thereof, the period is changed to a semicolon, followed by the word "or" and a new subparagraph (6) is added reading as follows:

(6) Successful completion of a Maritime Service training course including 30 hours of actual lifeboat training.

5. Section 138.5 is hereby amended as follows:

At the end of paragraph (e) thereof the period is changed to a comma and there is added the following: without a physical examination. In the event the Officer in Charge, Marine Inspection, finds that an applicant for such indorsement obviously suffers from some physical or mental infirmity to a degree that, in the opinion of the Officer in Charge, Marine Inspection, would render him incompetent to perform the ordinary duties of a qualified member of the engine department, he shall be required to undergo an examination as outlined in paragraph (b), to determine his competency in such respect.

6. Section 138.6 is hereby amended as follows:

A new paragraph (h) is added thereto, reading as follows:

(h) An applicant for a certificate of service in an entry rating or for an indorsement covering another such rating shall produce certification of successful completion of an ap-

proved training course of at least six week's duration or shall produce satisfactory proof that he has a commitment of employment as a member of the crew of a merchant vessel in a capacity covered by the certificate or indorsement applied for.

7. Section 138.8 is hereby amended as follows:

a. The last sentence of paragraph (h) thereof is deleted.

b. Paragraph (i) thereof is deleted.

8. Section 138.9 is hereby amended as follows:

a. Paragraph (k) thereof is deleted.

b. Paragraph (l) thereof is deleted. (10 F.R. 2042, 20 February 1945.)

Waiver

TITLE 46—SHIPPING

Chapter I—Coast Guard: Inspection and Navigation

APPENDIX A—WAIVERS OF NAVIGATION AND VESSEL INSPECTION LAWS AND REGULATIONS

LOAD LINES FOR CERTAIN FOREIGN VESSELS

The Acting Secretary of the Navy having by order dated October 1, 1942 (7 F. R. 7979), waived compliance with the Navigation and Vessel Inspection Laws administered by the United States Coast Guard, in the case of any vessel engaged in business connected with the conduct of the war, to the extent and in the manner that the Commandant, United States Coast Guard, shall find to be necessary in the conduct of the war.

Now, therefore, I find it necessary in the conduct of the war that there be waived compliance with the act of March 2, 1929, c. 508, 45 Stat. 1492, as amended (46 U.S.C. 85-85g), relating to load lines for vessels making foreign sea voyages, to the following extent and subject to the following conditions:

To the extent necessary to permit foreign vessels belonging to countries allied with the United States in the war effort and which are engaged in business connected with the conduct of the war to load to the same seasonal load lines as permitted for vessels of the United States proceeding on similar voyages by the United States regulations relating to load lines (46 CFR, Cum. Supp., Parts 43 and 48), and waivers of compliance therewith having general applicability, provided such vessels are marked with load lines in accordance with the provisions of the International Load Line Convention and have on board a valid Load Line Certificate. Nothing contained in this waiver shall be construed as relieving any foreign vessel or her master or operators from their responsibilities under the law of the country to which the vessel belongs. (10 F.R. 1457, 3 February 1945.)

Navigation and Vessel Inspection Circular No. 57

Eligibility of Persons Serving With the Armed Forces for Merchant Marine Licenses

UNITED STATES COAST GUARD,
Washington 25, D. C.

1 February 1945.

1. In view of numerous requests from personnel serving with the armed forces, including the Army, Navy, Marine Corps, and Coast Guard, for information regarding their eligibility for original or raise in grade of merchant marine license, this Circular is published for the information and guidance of all concerned and is effective during the present national emergency.

2. Qualifying sea experience obtained while serving with the armed forces of the United States will be acceptable for an original license of appropriate grade and class, or for a raise in grade of license. In determining the grade and class of license for which an applicant is eligible, consideration will be given by the Coast Guard to the nature of the duties performed by the applicant while acquiring his experience. Each application will be evaluated on its own merits since the duties performed by persons serving on other than merchant vessels do not always reflect the exact nature of the experience obtained. An applicant may be permitted to omit the examination for intermediate grades of license if his experience is of such character as to qualify him for a higher, or the highest, grade of license.

3. The Rules and Regulations governing the licensing of merchant marine personnel which are in effect on the date an applicant presents himself for examination shall be applicable in all cases.

4. In the case of applicants for renewal of licenses which have expired beyond the period of one (1) year as specified by regulations, no professional examination will be required, provided the license expired during the time of the holder's service with the armed forces or the merchant marine, and there was no reasonable opportunity for renewal.

5. Since in the case of applicants serving in the Coast Guard the agency issuing the licenses will be reviewing the qualifications of its own personnel, a special procedure will be established. This procedure will insure that applicants from the Coast Guard meet the same standards as all other applicants.

(Signed) R. R. WAESCHE,
Commandant.

Equipment Approved by the Commandant

BUOYANT CUSHION FOR MOTORBOATS

15' x 15' x 2" Typha filled buoyant cushion (Specification dated 19 December 1944); Approval No. B-259, manufactured by Flamingo Textiles Inc., 427 N. W. 3d Avenue, Miami 36, Fla. (For use on motorboats of Classes A, 1, and 2 not carrying passengers for hire, for the duration of the national emergency and six months thereafter). (10 F.R. 1817, 13 February 1945.)

DAVIT

Schat P. H. A. davit, single screw, Type MD 65-16 (Arrangement Dwg. No. B. A. 429, dated 19 January 1945) (working load of 6,750 pounds per arm, or 13,500 pounds per set), submitted by Lane Lifeboat & Davit Corp., foot of 40th Road, Flushing, N. Y.

FIRE EXTINGUISHER

Kidde Type 15Z, 15-pound carbon dioxide fire extinguisher with Navy type squeeze grip valve (Dwgs. No. 30183, dated 29 June 1944, No. 80887, dated 13 August 1943, No. 80853H, dated 11 June 1943, Rev. H, dated 11 April 1944), submitted by Walter Kidde & Co., 60 West St., Bloomfield, N. J. (10 F.R. 1582, 6 February 1945.)

FIRING ATTACHMENT FOR LINE-THROWING GUN

Firing attachment for line-throwing gun, Type F-101 (Dwg. No. F-101-A, dated 19 January 1945), submitted by the Naval Company, 3419 Richmond Street, Philadelphia, Pa. (10 F.R. 1582, 6 February 1945.)

LIFEBOAT

26' x 8.5' x 3.825' metallic motor lifeboat, Type MHMS (40-person peacetime capacity, 33-person wartime capacity). (General Arrangement and Construction Details Dwg. No. 493, dated April, 1944), submitted by Tregoning Boat Company, Seattle, Wash. (10 F.R. 2063, 20 February 1945.)

LIFE PRESERVERS

Model No. 1 adult kapok life preserver (C. G. Dwg. No. F-49-6-1, Alt. 1, and Specification dated 10 June 1944), Approval No. B-260, manufactured by Colvin-Slocum Boats, Inc., Amesbury, Mass. (For general use.)

Model No. 3 adult kapok life preserver (C. G. Dwg. No. F-49-6-1, Alt. 1, and Specification dated 10 June 1944), Approval No. B-261, manufactured by Colvin-Slocum Boats, Inc., Amesbury, Mass. (For use with rubber life-saving suits.)

Model No. 2 adult kapok life preserver (C. G. Dwg. No. F-49-6-1, Alt. 1, and Specification dated 10 June

1944), Approval No. B-258, manufactured by C. A. Reed Furniture Company, 4424 E. 49th Street, Los Angeles 11, Calif. (For general use.) (10 F.R. 1817, 13 February 1945.)

LIFE RAFT

20-person improved type reversible life raft (Dwgs. No. LR-10, LR-11 and LR-12, dated 7 December 1944, Alt. 0), submitted by Leyde and Leyde, Falls Church, Va. (10 F.R. 2063, 20 February 1945.)

20-person improved type life raft, wood construction reinforced with metal straps and rods (Dwg. No. B-1145, dated 5 September 1944, revised), constructed by the New Orleans Life Raft Company, New Orleans, La., for the Bell Lumber Company, Bell, Calif.

PORTABLE ELECTRIC MEGAPHONE

Portable electric megaphone, Type TPM-2 (Dwg. No. 105.6, dated 3 February 1945 and Dwg. No. 105.9, dated 5 February 1945), submitted by Taybern Equipment Co., 120 Greenwich Street, New York 6, N. Y. (10 F.R. 2063, 20 February 1945.)

LUMINOUS MARKING FOR INTERIOR ACCOMMODATIONS

Luminous marking, designated "ALL-PLASTIC", submitted by Century Lighting Inc., 419 West 55th Street, New York 19, N. Y. (10 F.R. 2063, 20 February 1945.)

Luminous marking, designated Luminous Plastics 1A, submitted by John E. Pinko, 315 64th Street, Brooklyn, N. Y.

WITHDRAWAL OF APPROVAL

Coast Guard approval of the following item of equipment is withdrawn:

SEA ANCHOR

Sea Anchor, Type FM-1 (U. S. Coast Guard Dwg. MMI-562 and specification dated 1 November 1943, revised 1 June 1944), submitted by Frank McNamara & Co., 809 Broadway, New York, N. Y. (Original approval 1 November 1944, 9 F.R. 13018.) (10 F.R. 1582, 6 February 1945.)

TERMINATION OF APPROVAL

Coast Guard approval of the following item of equipment has been terminated, as the manufacturer no longer produces the same:

LIFE PRESERVER

Yoke Type adult kapok life preserver (Dwg. T. S. 24-1, dated 12 October 1944, and specification dated 19 October 1944), Approval No. B-251, for use of military personnel on board vessels operated by or for the U. S. Army and during assault and landing operations, submitted by Office of Chief of Transportation, Army Service Forces, Washington, D. C. (Approved 14 November 1944, 9 F.R. 13613.)

AFFIDAVITS

It is required by the Marine Engineering Regulations that manufacturers submit affidavits before they manufacture items of equipment in accordance with these regulations for use on vessels subject to inspection by the Coast Guard. These affidavits are kept on file at Coast Guard Headquarters and a list of approved manufacturers is published for the information of all parties concerned. The affidavits received and accepted during the period from January 16, 1945 to February 15, 1945, are as follows:

Coen Company, Inc., 40 Boardman Place, San Francisco, Calif., cast fittings.

Deardorff Engineering and Machine Works, Berkeley, Calif., valves.

Dri-Steam Products, Inc., 29 Broadway, New York 6, N. Y., separators, strainers, valves, and fittings. (Successor to Dri-Steam Valve Corp.)

Graham Mfg Co., 415 Lexington Avenue, New York, N. Y., coolers and strainers.

Hackathorn Valve Co., 525 Roosevelt Building, Los Angeles, Calif., valves.

Ogden Iron Works Co., 2257 Lincoln Ave., Ogden, Utah, valves and fittings.

Progressive Engineering Co., 314 Seventh Street, San Francisco 3, Calif., strainers.

Torrance Precision Mfg. Co., 1513 Border Avenue, Torrance, Calif., bar stock union bonnet valves.

ITEMS SUITABLE FOR MERCHANT MARINE USE

ACCEPTABLE FUSIBLE PLUGS

The Marine Engineering Regulations require that fusible plug manufacturers who desire to have their products approved for marine service shall submit samples for testing from each heat to the Commandant. If the sample fusible plugs pass the test satisfactorily, the manufacturer is notified and then the plugs may be used on vessels subject to inspection by the Coast Guard. If the sample fusible plugs submitted do not pass the test, a fee of \$20 for each sample submitted is required and must be paid to the National Bureau of Standards, Washington, D. C. For the information of all parties concerned, a list of approved heats which have been tested and found acceptable during the period from January 16, 1945, to February 15, 1945, is as follows:

The Gibson and Kirk Co., Baltimore, Md., heat Nos. 5 and 6.

The Lunkenheimer Co., Cincinnati, Ohio, heat No. 212.

H. B. Sherman Mfg. Co., Battle Creek, Mich., heat Nos. 472, 474, 483, and 484.

ELECTRICAL APPLIANCES

For the use of Coast Guard personnel in their work of inspecting merchant vessels, the following items of electrical equipment have been examined. This list is not intended to be an all-inclusive list of miscellaneous electrical equipment; accordingly, items not included may also be satisfactory for marine use.

Manufacture and description of equipment	Location apparatus may be used				Date of action	Manufacture and description of equipment	Location apparatus may be used				Date of action
	a	b	c	d			a	b	c	d	
Appleton Electric Co., Chicago, Ill.: Receptacle, 2-wire, and single-pole switch, watertight, 10 amperes, 125 volts, drawing No. 60001, alteration 1	x	x	x		2-2-45	Crouse-Hinds Co., Syracuse, N. Y.—Continued. Type MBS pilot lights and switches, receptacles, 3-gang, 10 amperes, 125 volts: Catalog No. MBS3881, 2 pilot lights and 1-pole switch Catalog No. MBS3811, pilot light and 2 1-pole switches Catalog No. MBS3813, pilot light and 1 1-pole and 1 3-way switch Catalog No. MBS3813, pilot light and 1-pole switch and 2-wire receptacle Catalog No. MBS3835, pilot light and 3-way switch and 2-wire receptacle Type MR receptacles, single gang, 10 amperes, 125 volts: Catalog No. MR15, 2-wire Catalog No. MR16, 3-wire Type MR receptacles, 2-gang, 10 amperes, 125 volts: Catalog No. MR255, 2 2-wire receptacles Catalog No. MR296, 2 3-wire receptacles Catalog No. MR256, 1 2-wire receptacle and 1 3-wire receptacle Type MR receptacles, 3-gang, 10 amperes, 125 volts: Catalog No. MR355, 3 2-wire receptacles Catalog No. MR356, 2 2-wire receptacles and 1 3-wire receptacle Catalog No. MR356, 1 2-wire receptacle and 2 3-wire receptacles Type MS switches, single gang, 10 amperes, 125 volts: Catalog No. MS11, 1-pole Catalog No. MS12, 2-pole Catalog No. MS13, 3-pole Type MS switches, 2-gang, 10 amperes, 125 volts: Catalog No. MS211, 2 1-pole Catalog No. MS222, 2 2-pole Catalog No. MS233, 2 3-way Catalog No. MS213, 1 1-pole and 1 3-way Type MS switches, 3-gang, 10 amperes, 125 volts: Catalog No. MS311, 3 1-pole Catalog No. MS322, 3 2-pole Catalog No. MS333, 2 1-pole and 1 3-way Type MSR switch, receptacle, 2-gang, 10 amperes, 125 volts: Catalog No. MSR215, 1-pole switch and 2-wire receptacle Catalog No. MSR225, 2-pole switch and 2-wire receptacle Catalog No. MSR235, 3-way switch and 2-way receptacle Catalog No. MSR226, 2-pole switch and 3-wire receptacle Catalog No. MSR236, 3-pole switch and 3-wire receptacle Type MSR switch, receptacle, 3-gang, 10 amperes, 125 volts: Catalog No. MSR3115, 2 1-pole switches and 2-wire receptacle Catalog No. MSR3225, 2 2-pole switches and 2-wire receptacle Catalog No. MSR3155, 1 one-pole switch and 2-wire receptacle Catalog No. MSR3255, 1 2-way switch and 2-wire receptacle Catalog No. MSR3355, 1 3-way switch and 2-wire receptacle Switches and receptacles, single gang, nonwatertight: Catalog No. FS0804, receptacle, 2-pole, 10 amperes, 125 volts Catalog No. FS0807, switch, 1-pole, 10 amperes, 125 volts Catalog No. FS0808, switch, 2-pole, 10 amperes, 125 volts Catalog No. FS0809, switch, 3-way, 10 amperes, 125 volts Catalog No. FS0801, switch, 4-way, 5 amperes, 125 volts Switches and receptacles, 2-gang, nonwatertight: Catalog No. FS0835, 2 1-pole switches, 10 amperes, 125 volts Catalog No. FS0837, 2 2-pole switches, 10 amperes, 125 volts	x	x	x		1-29-45
Receptacle, 2-gang, watertight, 10 amperes, 125 volts, drawing No. 59679, alteration 1	x	x	x		2-2-45		x	x	x		1-29-45
Switch, 4-way, watertight, 5 amperes, 125 volts, drawing No. 58772, alteration 2	x	x	x		2-3-45		x	x	x		1-29-45
Switch, double-pole, watertight, 20 amperes, 600 volts, drawing No. 59597, alteration 1	x	x	x		2-3-45		x	x	x		1-29-45
Lamp receptacle, marine type, catalog No. 70181, alteration 1, drawing No. 59890-2, alteration 1-4-45					2-15-45		x	x	x		1-29-45
Arnessen Electric Co., New York, N. Y., rudder angle indicating equipment: Transmitters, types RT-125, RT-125-D, RT-175 and RT-175-D, drawing No. 156, issue 1	x	x			1-29-45		x	x	x		1-29-45
Indicators, types RC-125 and RC-125-F, drawing No. SK-191, issue 1	x	x			1-29-45		x	x	x		1-29-45
Indicator-transmitter, without dial, drawing No. SK-163, issue 1	x	x			1-29-45		x	x	x		1-29-45
Receiver, drawing No. SK-190, issue 1	x	x			1-29-45		x	x	x		1-29-45
Parts lists and detail drawings: PL-1, issue 3; PL-2, issue 3; PL-4 issue 3; PL-11, issue 4; PL-15, issue 1; PL-16, issue 1; PL-19, issue 1; PL-20, issue 2; WSK-138, issue 1					1-29-45						
Auth Electrical Specialty Co., Inc., New York, N. Y.: Magazine fire-alarm annunciator, 6-circuit, catalog No. 5720, drawing No. 82043, sheet 1, alteration 4	x	x	x		2-7-45		x	x	x		1-29-45
Mercurial thermostats, types GH, GM and GS, for use only with magazine fire-alarm systems, drawing No. 22844, sheet 3, alteration 2	x	x			1-31-45		x	x	x		1-29-45
Running light alarm bell control, watertight, 115 volts, direct current, drawing No. 11644, alteration O	x	x	x		2-15-45		x	x	x		1-29-45
Rendix Aviation Corporation, Brooklyn, N. Y.: Salinity indicating equipment: Indicator panel, drawing No. 7263, alteration B Indicator panel, drawing No. 14970, alteration S Conductivity cell, drawing No. 4700, alteration O	x	x			1-29-45		x	x	x		1-29-45
Engine order telegraph equipment: Transfer relay, triple multi-pole, drawing No. CAL-25012, alteration A Constant-ringing device, drawing No. CAL-3539A, alteration O	x	x			2-6-45		x	x	x		1-29-45
Power failure alarm unit, 115 volts, direct current, drawing No. CAL-70628-3, alteration O	x	x			2-6-45		x	x	x		1-29-45
Bell, 2½-inch, Navy type B2, drawing No. CAL-40138, alteration J	x	x	x		2-6-45		x	x	x		1-29-45
Bell, high intensity, watertight, drawing No. CAL-176068-4, alteration A	x	x	x		2-6-45		x	x	x		1-29-45
Cole Electric Products Co., Inc., Long Island City, N. Y.: Running light indicator panel, 8 circuits, semi-automatic, drip-proof, drawing No. N-350, alteration 1	x	x			2-12-45		x	x	x		1-29-45
Condi-Lite Corporation, New York, N. Y.: lighting fixtures, watertight: Deck type, with guard, 50 watts maximum, catalog No. 7010, drawing No. E44-854-4, (no alteration number)	x	x	x		1-24-45		x	x	x		1-29-45
Deck type, with guard, 100 watts maximum, catalog No. 7011, drawing No. E44-854-5, (no alteration number)	x	x	x		1-24-45	x	x	x		1-29-45	
Deck type, with guard and red globe, 50 watts maximum, catalog No. 7010R, drawing No. E44-854-8, (no alteration number)	x	x	x		1-24-45	x	x	x		1-29-45	
Deck type, with guard and RLM reflector, 100 watts maximum, catalog No. 7043, drawing No. E44-854-9, (no alteration number)	x	x	x		1-24-45	x	x	x		1-29-45	
Bulkhead type, with guard, 50 watts maximum, catalog No. 7021, drawing No. E44-854-6, (no alteration number)	x	x	x		1-24-45	x	x	x		1-29-45	
Crouse-Hinds Co., Syracuse, N. Y.: Type MB pilot lights, 125 volts: Catalog No. MB18, single-gang Catalog No. MB28, 2-gang Catalog No. MB38, 3-gang	x	x	x		1-29-45	x	x	x		1-29-45	
Type MBS pilot lights and switches, 2-gang, 10 amperes, 125 volts: Catalog No. MBS281, pilot light and 1-pole switch Catalog No. MBS282, pilot light and 2-pole switch Catalog No. MBS283, pilot light and 3-way switch	x	x	x		1-29-45	x	x	x		1-29-45	

a. Passenger and crew quarters and public spaces.

b. Machinery, cargo, and work spaces.

c. Open decks

d. Pump rooms of tank vessels.

ELECTRICAL APPLIANCES—Continued

Manufacture and description of equipment	Location apparatus may be used				Date of action
	a	b	c	d	
Crouse-Hinds Co., Syracuse, N. Y.—Continued.					
Switches and receptacles, 2-gang, nonwatertight—Continued.					
Catalog No. FS0929, 1 1-pole and 1 3-way switch, 10 amperes, 125 volts	x				2-1-45
Catalog No. FS0930, 1 1-pole and 1 4-way switch, 10 and 5 amperes, respectively, 125 volts	x				2-1-45
Catalog No. FS0928, 2 2-pole receptacles, 10 amperes, 125 volts	x				2-1-45
Switches and receptacles, 3-gang, nonwatertight:					
Catalog No. FS0842, 3 1-pole switches, 10 amperes, 125 volts	x				2-1-45
Catalog No. FS0843, 3 2-pole switches, 10 amperes, 125 volts	x				2-1-45
Catalog No. FS0931, 2 1-pole switches and 1 3-way switch, 10 amperes, 125 volts	x				2-1-45
Catalog No. FS0932, 2 1-pole switches and 1 4-way switch, 10 amperes and 5 amperes, respectively, 125 volts	x				2-1-45
Edwards & Co., Inc., Norwalk, Conn.:					
Catalog No. 942 relay in watertight enclosure (MD2649), 20 volts, direct current, for general alarm system, plan No. 7030, alteration O	x	x	x		1-24-45
Mercurial thermostats, type GM, catalog No. 1752; type GS, catalog No. 1753, plan No. 6900, alteration O	x	x	x		1-24-45
General Electric Co., Schenectady, N. Y., ventilating fans, marine bracket type:					
Catalog No. 95 X 96, 16-inch size, 115 volts, direct current, drawing No. FM44-302-DL10, revision O	x				2-15-45
Catalog No. 95 X 99, 12-inch size, 115 volts, alternating current, drawing No. T-226933, revision O	x				2-15-45
Catalog No. 95 X 99, 12-inch size, 115 volts, direct current, drawing No. FM44-302-DL9, revision O	x				2-15-45
Great Lakes Engineering Works, River Rouge, Mich.:					
Junction box, watertight, catalog Nos. 430 to 440, inclusive	x	x	x		2-1-45
Terminal tubes, watertight, sizes 3/8-inch to 2-inch, catalog Nos. 400 to 406, inclusive	x	x	x		2-1-45
Henschel Corporation, Amesbury, Mass.:					
Dimmer panel, drip-proof, for use with running light indicator panels, 115 volts, direct current, drawing No. 40-010-23-1, alteration O	x	x			1-16-45
Shaft speed indicator with 8-figure counter, watertight, types AC-P, DC-P, AC-B and DC-B, 115 volts, drawing No. 10-1086, alteration O	x	x	x		1-17-45
Shaft speed indicator, watertight, types B and P, 115 volts, drawing No. 10-1087, alteration O	x	x	x		1-17-45
Filterette for elimination of radio interference for use with shaft speed transmitter, watertight, drawing No. 60-173, alteration O	x	x	x		1-17-45
Electric counter, 8-figure, 115 volts, alternating or direct current	x	x			1-17-45
Engine order telegraph transfer relay, watertight, 2-pole, double-throw, drawing No. 60-169, alteration O	x	x	x		1-17-45
Annunciator drop, gravity drop, manual reset, drawing No. 60-679, alteration O	x	x	x		1-17-45
Constant ringing relay panel, drawing No. 60-159, alteration 2	x	x			2-9-45
Relay, splashproof, for operation with sound-powered telephone hand generator, drawing No. 60-162, alteration 2	x	x			2-9-45
Engine order telegraph equipment, 115 volts, 60 cycles, alternating current:					
Transmitter, without reply, 12-inch single face, drawing No. 10-1078, alteration 3	x	x			1-22-45
Indicator, 12-inch, single face, drawing No. 10-1048, alteration O	x	x			1-22-45
Indicator, 16-inch, single face, drawing No. 10-1049, alteration O	x	x			1-22-45
Indicator, 12-inch, single face, drawing No. 10-1061, alteration O	x	x			1-22-45
Indicator, single face, drawing No. 10-1075, alteration 3	x	x			1-22-45
Indicator, single face, drawing No. 10-1076, alteration 4	x	x			1-22-45
Indicator, single face, drawing No. 10-1077, alteration O	x	x			1-22-45
Transmitter-indicator, 12-inch, single face, drawing No. 10-1045, alteration O	x	x			1-22-45
Transmitter-indicator, 12-inch, single face, drawing No. 10-1049, alteration O	x	x			1-22-45
Transmitter-indicator, 16-inch, single face, drawing No. 10-1047, alteration O	x	x			1-22-45
Transmitter-indicator, 16-inch, single face, drawing No. 10-1047-1, alteration O	x	x			1-22-45
Transmitter-indicator, 12-inch, single face, drawing No. 10-1070, alteration 4	x	x			1-22-45
Transmitter-indicator, 12-inch, double face, drawing No. 10-1071, alteration 3	x	x			1-22-45

a. Passenger and crew quarters and public spaces.
b. Machinery, cargo, and work spaces.

Manufacture and description of equipment	Location apparatus may be used				Date of action
	a	b	c	d	
Henschel Corporation, Amesbury, Mass.—Continued.					
Engine order telegraph equipment, 115 volts, 60 cycles, etc.—Continued.					
Transmitter-indicator, double, 12-inch, double face, drawing No. 10-1072, alteration 3	x	x			1-22-45
Transmitter-indicator, 16-inch, single face, drawing No. 10-1074, sheets 1 and 2, alteration 3	x	x			1-22-45
Transmitter-indicator, 16-inch, single face, drawing No. 10-1074-1, sheets 1 and 2, alteration 1	x	x			1-22-45
Telegraph system wiring diagrams: Drawings Nos. 10-767, alteration 1; 10-773, alteration O; EW-2, alteration O; EW-3, alteration O; DW-1, alteration 2; DW-2, alteration 2; DW-3, alteration O; DW-4, alteration 1					1-22-45
Transfer relay, 2-pole, double throw, drawing No. 60-177, alteration O	x	x			2-14-45
Current failure alarm panel, drawing No. 40031, alteration 2	x	x			2-14-45
Transmitter-indicator, 12-inch, single face, drawing No. 10-1076, alteration 4	x	x			2-14-45
Transmitter-indicator, double face, 12-inch, single engine, drawing No. 10-1083, alteration O	x	x			2-14-45
Transmitter-indicator, double face, 12-inch, single engine, drawing No. 10-1083-1, alteration O	x	x			2-14-45
Transmitter-indicator, 12-inch, single face, drawing No. 10-1084, alteration 1	x	x			2-14-45
Internal units for electric telegraphs:					
Drawing No. 10-1041, sheets 1 and 2, alteration 3					2-14-45
Drawing No. 10-1079, alteration 4					2-14-45
Telegraph system, wiring diagram, drawing No. EW-7, alteration 1					2-14-45
Annunciators, gravity drop, manual reset, drip-proof:					
Internal unit, drawing No. 50-077, alteration 3					2-10-45
2 to 24 drops, without switches, drawing No. 50-077-1, alteration 4	x	x			2-10-45
26 to 64 drops, without switches, drawing No. 50-077-2, alteration 3	x	x			2-10-45
72 to 96 drops, without switches, drawing No. 50-077, alteration 3	x	x			2-10-45
2 to 8 drops, with switches and relay, drawing No. 50-077-9, alteration 2	x	x			2-10-45
16 drops, with switches and relay, drawing No. 50-077-8, alteration 1	x	x			2-10-45
2 to 20 drops, with switches and relay, drawing No. 50-077-11, alteration 1	x	x			2-10-45
24 to 40 drops, with switches and relay, drawing No. 50-077-12, alteration 2	x	x			2-10-45
Shaft speed system:					
Indicator, drawing No. 10-1058, alteration 1	x	x			2-10-45
Indicator, with 8-figure counter, drawing No. 10-1057, alteration 1	x	x			2-10-45
Transmitter, with 8-figure counter, drawing No. 10-1001-1, alteration 1	x	x			2-10-45
Filterette, for elimination of radio interference for use with shaft speed transmitter, drawing No. 60-173, alteration O	x	x	x		2-10-45
Wiring diagram for shaft speed system, drawing No. AW-46, alteration O					2-10-45
Rudder angle indicator, drawing No. 10-1052, alteration O	x	x			2-10-45
Contact maker, low-pressure alarm, water-tight, drawing No. 60-161-F, alteration O	x	x			2-10-45
Contact maker, low level fuel oil, water-tight, drawing No. 60-128-2, alteration 1	x	x			2-10-45
Kearfott Engineering Co., New York, N. Y.: pendulum window wiper with "throw-out" type plain arm, drawing No. KS-1385 WD-4, alteration O	x	x	x		2-5-45
Keps Electric Co., Pittsburgh, Pa.: Cargo light, 300 watts maximum, for use as a portable cargo light only and not to be used as an only source of illumination in a cargo space, drawing No. 6499, alteration 3	x	x			2-13-45
Marine Electric Co., Portland, Ore.:					
Branch box, watertight, catalog No. 79HZ-B, drawing No. C-104, revision O	x	x	x		1-30-45
Receptacle, single, watertight, 10 amperes, catalog No. 79HZ-R, drawing No. C-29, revision 1	x	x			1-30-45
Murlin Manufacturing Co., Philadelphia, Pa., lighting fixtures, non-watertight:					
Ceiling light, 3 60-watt lamps maximum, fixture No. 303-12'	x				10-16-44
Ceiling light, 3 60-watt lamps maximum, fixture No. 304-12, alteration 1	x				10-16-44
Ceiling light, 2 25-watt lamps maximum, fixture No. 937	x				10-16-44
Ceiling light, 2 60-watt lamps maximum, fixture No. 938	x				10-16-44

c. Open decks.
d. Pump rooms of tank vessels.

ELECTRICAL APPLIANCES—Continued

Manufacture and description of equipment	Location apparatus may be used				Date of action
	a	b	c	d	
Murlin Manufacturing Co., Philadelphia, Pa., lighting fixtures, non-watertight—Continued.					
Ceiling light, 2 25-watt lamps maximum, fixture No. 919	x				10-16-44
Ceiling light, 2 60-watt lamps maximum, fixture No. 920	x				10-16-44
Ceiling light, 2 25-watt lamps maximum, fixture No. 956	x				10-16-44
Ceiling light, 2 60-watt lamps maximum, fixture No. 957	x				10-16-44
Berth light, 60-watt lamp maximum, fixture No. 747-1	x				10-16-44

a. Passenger and crew quarters and public spaces.
b. Machinery, cargo, and work spaces.

Manufacture and description of equipment	Location apparatus may be used				Date of action
	a	b	c	d	
Murlin Manufacturing Co., Philadelphia, Pa., lighting fixtures, non-watertight—Continued.					
Berth light, 60-watt lamp maximum, fixture No. 796-1	x				10-16-44
Cabinet light, 2 25-watt lamps maximum, fixture No. 958	x				10-16-44
Reflector ceiling light, 60 watts maximum, fixture No. 785, alteration 1	x				1-17-45
Russell & Stoll Co., Inc., New York, N. Y.: Gage light, bracket type, watertight, 25 watts maximum, drawing No. C-5532, alteration 5	x	x	x		1-20-45

c. Open decks.
d. Pump rooms of tank vessels.

Merchant Marine Personnel Statistics

ORIGINAL SEAMEN'S DOCUMENTS ISSUED, MONTH OF JANUARY 1945

Region	Continuous discharge book	Certificate of identity	A. B., green, 3 years ¹	A. B., green, 9 months emergency ¹	A. B., blue, 18 months ¹	A. B., blue, 6 months emergency ²	A. B., blue, 6 months emergency ²	Life-boat, 12-24 months ³	Life-boat, 6-12 months emergency ³	Q.M.E.D., 6 months	Q.M.E.D., emergency	Radio operators	Certificate of service	Tanker man	Staff officer	Total
Atlantic coast	105	4,057	57	557	34	31	0	954	0	273	552	261	4,060	11	186	11,083
Gulf coast	119	909	17	111	7	1	1	519	0	44	126	5	692	21	25	2,597
Pacific coast	80	3,788	37	244	66	6	0	873	0	145	457	26	3,495	3	107	9,327
Great Lakes and rivers	89	439	37	39	16	9	0	50	0	86	144	11	961	19	3	1,905
Total	393	9,193	145	951	123	47	1	2,396	0	553	1,279	243	9,208	54	321	24,919

¹ Unlimited.
² Great Lakes, lakes, bays, and sounds.
³ Tugs and towboats and freight vessels under 500 tons (miscellaneous).

¹ 12 months deck or 24 months other departments.
² 6 months deck or 12 months other departments.

NOTE.—There were 491 Panamanian Employment Cards issued.

WAIVERS OF MANNING REQUIREMENTS FROM 1 JANUARY TO 31 JANUARY, 1945

Authority for These Waivers Contained in Navigation and Vessel Inspection Circular No. 31, Dated 13 March 1943

Region	Number of vessels	Deck officers substituted for higher ratings	Engineer officers substituted for higher ratings	Able seamen substituted for deck officers	Ordinary seamen substituted for able seamen	Qualified members of engine department substituted for engineer officers	Wipers or coal passers substituted for qualified members of engine department	Wipers, coal passers or cadets substituted for engineer officers	Ordinary seamen or cadets substituted for deck officers	Total
Atlantic coast	728	389	468	46	1,414	73	255	27	46	2,718
Gulf coast	99	52	57	4	162	16	23	1	2	317
Pacific coast	387	152	177	16	873	58	341	4	5	1,626
Great Lakes	3				3		4			7
Total	1,217	593	702	66	2,452	147	623	32	53	4,668

CREW SHORTAGE REPORTS FROM 1 JANUARY TO 31 JANUARY, 1945

These Reports Submitted in Accordance With Navigation and Vessel Inspection Circular No. 34, Dated 1 May 1943

Region	Number of vessels	Ratings in which shortages occurred											Total		
		Chief mate	Second mate	Third mate	Radio	Able seamen	Ordinary seamen	Chief engineer	First engineer	Second engineer	Third engineer	Qualified member engine department		Wiper or coal passer	
Atlantic coast	21	2	4	1	1	10	9					2	11	7	47
Gulf coast	7	1			2	5	4						2	2	16
Pacific coast	31					52	14		1	2		2	28	4	103
Great Lakes	4					5	13								18
Total	63	3	4	1	3	72	40		1	2		4	41	13	184

MERCHANT MARINE LICENSES ISSUED DURING JANUARY 1945

DECK OFFICERS

Region	Master										Chief mate										Second mate									
	Ocean		Coastwise		Great Lakes		B. S. & L.		Rivers		Ocean		Coastwise		Great Lakes		B. S. & L.		Rivers		Ocean		Coastwise		Great Lakes		B. S. & L.		Rivers	
	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R
Atlantic coast.....	55	52	5	10	.....	2	8	21	1	2	132	9	.....	2	.....	.....	1	1	1	2	219	17	.....	4	.....	.....	.....	.....	.....	.....
Gulf coast.....	15	12	.....	4	.....	1	5	.....	3	21	5	.....	1	.....	.....	.....	.....	.....	.....	.....	1	33	1	1	.....	.....	.....	.....	.....	.....
Great Lakes and rivers.....	1	3	.....	1	8	45	.....	.....	4	13	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Pacific coast.....	36	46	.....	2	.....	3	1	20	.....	.....	40	6	.....	2	.....	.....	3	6	.....	.....	94	9	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	107	113	3	17	8	50	10	46	3	18	193	21	.....	5	.....	.....	4	7	4	9	346	28	.....	5	.....	.....	.....	.....	.....	.....

Region	Third mate										Pilots						Master mate				Total		
	Ocean		Coastwise		Great Lakes		B. S. & L.		Rivers		Great Lakes		B. S. & L.		Rivers		Uninspected vessels, high seas				Original	Re-newal	Grand total
	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R			
Atlantic coast.....	447	12	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	24	77	.....	.....	.....	2	.....	1	893	215	1,108
Gulf coast.....	11	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	26	.....	.....	.....	.....	.....	.....	94	60	154
Great Lakes and rivers.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	67	24	15	.....	.....	.....	.....	55	152	207
Pacific coast.....	149	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	67	8	.....	.....	12	.....	1	347	178	525
Total.....	607	17	1	1	.....	.....	.....	.....	.....	.....	.....	.....	67	237	32	15	.....	14	.....	2	1,389	605	1,994

ENGINEER OFFICERS

Region	Chief engineer, steam				First assistant engineer, steam				Second assistant engineer, steam				Third assistant engineer, steam			
	Ocean		Inland		Ocean		Inland		Ocean		Inland		Ocean		Inland	
	O	R	O	R	O	R	O	R	O	R	O	R	O	R	O	R
Atlantic coast.....	67	113	1	39	109	37	.....	6	228	31	.....	2	517	14	.....
Gulf coast.....	12	23	2	5	13	4	.....	1	29	5	.....	.....	12	4	.....
Great Lakes and rivers.....	3	8	9	65	3	9	11	26	3	3	6	7	9	1	.....
Pacific coast.....	27	45	1	14	58	8	.....	9	113	15	.....	.....	128	8	.....
Total.....	109	189	13	123	183	58	11	42	373	54	6	9	666	27	.....

Region	Motor vessels								Uninspected vessels				Totals		
	Chief engineer		First assistant engineer		Second assistant engineer		Third assistant engineer		Chief engineer		Assistant engineer		Original	Re-newal	Grand total
	O	R	O	R	O	R	O	R	O	R	O	R			
Atlantic coast.....	11	59	12	23	11	3	425	7	.....	2	.....	1	1,381	337	1,718
Gulf coast.....	4	9	6	3	3	2	2	.....	.....	.....	.....	.....	83	56	139
Great Lakes and rivers.....	3	2	2	2	.....	.....	1	.....	.....	.....	.....	.....	50	123	173
Pacific coast.....	6	32	6	7	8	2	93	2	1	1	.....	.....	441	144	585
Total.....	24	102	26	35	22	7	521	9	1	3	.....	1	1,955	600	2,615

TIPS FOR TANKERS

1 Before starting to load or discharge cargo



A. Senior deck officer on duty consult with terminal cargo supt. to plan details of operations.

B. Terminal and ship each arrange to give the other where possible, 10 minutes "stand-by" before starting, stopping or changing the rate of cargo flow.

C. Senior deck officer on duty make inspection to assure himself that the following conditions exist [Tanker Regulations Sec. 35.5-5]:

- [a] Warnings are displayed as required.
- [b] No repair work in way of cargo spaces is being carried out without his permission.
- [c] Cargo hose is properly connected and valves set.
- [d] All cargo connections for the loading of Grade A, B, and C cargoes have been made to vessel's pipe lines and not through open end hose in a hatch.

[e] In loading Grade A, B, and C cargoes, there are no fires or open flames present on the deck, or in a compartment which is located on, facing, open and adjacent to that part of the deck, on which the cargo hose is connected.

[f] The shore terminal or other tank vessel concerned has reported itself in readiness to start loading or discharging.