CONTENTS.

- 1. The American Herchant Harine Problem. (National Industrial Conference Board, Inc., New York.) 1929. pp.107. ×425.73.NB ET **387.5**
- The National Income, 1924. A Comparative Study of the Income of the United Kingdom in 1911 and 1924. By Arthur L. Bowley and Sir Josiah Stamp. 1927. pp.59.
 X'31.3.N24 F7 33 6.42
- 3. The Treatment of Native and other Populations in the Colonial Possessions of Germany and England. An Answer to the English Blue Book of Aug. 1918: "Report on the Natives of South West Africa and their Treatment by Germany." 1919. pp.312.

V55:416CV3:41.N2 E9968.8 28



85 85

THE AMERICAN MERCHANT MARINE PROBLEM

STUDIES OF INTERNATIONAL PROBLEMS

PUBLISHED BY THE NATIONAL INDUSTRIAL CONFERENCE BOARD, INC.

247 Park Avenue, New York

	Cloth Binding
The Work of the International Lab Organization	
A Picture of World Economic Cond tions, 1928	
A Picture of World Economic Cond tions at the Beginning of 1929	
The International Financial Position the United States	
The American Merchant Marine Pro	
The Foreign Trade of the United Stat (In Prep.	
Complete list of publications sent on requ	uest

85 85

THE AMERICAN MERCHANT MARINE PROBLEM



NATIONAL INDUSTRIAL CONFERENCE BOARD, INC. NEW YORK 1929

X425.73.N3 F7

Copyright, 1929, by National Industrial Conference Board, Inc.

May, 1929 144

85 85

PREFACE

G OODS bought and sold, ships that carry them, capital that pays for them and builds industries to produce them, and travellers who come and go for pleasure or business—these are links that bind the United States to the rest of the world. With the development of the country, and especially as a result of the War, these links have been increased in number and strength till they have become a vital and pervasive force in our internal economic life.

This book of research is one of a series dealing with the major aspects of the broad problem of the character and effect of the changes in the economic position of the United States in world affairs brought about by the World War. The primary aspect of that problem is the rapid and sudden transformation of the United States into a creditor nation, as a consequence of the governmental loans to the Allied Nations during the war and of the subsequent expansion of private American capital investment abroad. This subject is treated in detail in another book of the National Industrial Conference Board, entitled "The International Financial Position of the United States." The second aspect of the general problem, that relating to the effect of this country's new creditor position upon its trade relationships with other countries, is discussed in the Conference Board's book, "The Foreign Trade of the United States."

The present study deals with a question that is in some respects closely related to the same general problem, not only because the World War produced a significant change in the position of this country as a maritime nation, but also because the maintenance of an American merchant marine and the policies adopted toward it may influence the international trade and financial relationships of the United States in many ways. But shipping is important not only as a link between the United States and the rest of the world and as a factor in all our international business transactions. It is itself a great and fundamental business, and its service as a factor in international economic life depends upon its position and growth as a business, and upon governmental policies affecting it.

Prior to 1914, American interests in shipping had for many years been chiefly in the operation of vessels in the coastwise and nearby foreign trades. During the war, the shipping industry in the United States was abnormally stimulated, and, thereafter, the decline in world production and trade and the general international economic disorganization left the industry, in respect both of ship construction and operation, in severe depression. Other basic industries greatly over-expanded in response to war needs were similarly affected, but in the case of shipping the problem of readjustment was complicated by the extent to which the Federal Government had become involved in the industry through the ownership and operation of vessels. That problem of readjustment has been modified by the gradual withdrawal of the Government from the field of ship operation and by the stimulus to private shipping interests afforded by the enactment of the Merchant Marine Act of 1928.

But the merchant marine problem has not yet reached a final solution nor has a definite public policy toward the problem as a whole been formulated, save in the most general terms. Though the United States is in some measure committed to a policy of merchant marine expansion, the extent to which it is desirable to carry this expansion and the means by which it may be most economically and soundly aided by governmental action are still vaguely defined. Moreover, it is still uncertain whether such expansion is to be determined primarily by consideration of the economic position of shipping as an industry, or rather by consideration of its functions as an instrument of foreign trade and national defense.

Finally, whatever the economic position of the shipping industry or the relation of our shipping facilities to our foreign trade, it is obvious that our merchant marine has a vital relation to national security and that our merchant marine policy must ultimately be determined by our fundamental requirements in this respect. What these requirements are can be accurately known only by military and naval authorities, and to that extent they constitute an indeterminate factor in our policy. Yet, the importance and vagueness of the national defense aspect of the merchant

vi

marine problem do not preclude consideration of other aspects of merchant marine policy. If an unlimited expansion of American shipping with governmental aid were assumed beforehand to be desirable for purposes of national defense, there would be no merchant marine problem at all, and no reason for discussing it in the light of the facts bearing on the economic position of our shipping and the character of our foreign trade.

From a practical as well as an academic point of view, the American merchant marine problem presents questions of general interest and importance, which deserve wider attention and better understanding on the part of the American public. If a wise solution is to be found, these questions must be analyzed on the basis of a clear understanding of the pertinent facts and of a farsighted consideration of the intangible issues involved. The purpose of this book is not to suggest new or to support old proposals for the solution of the merchant marine problem, but to bring together and to clarify the facts and controversial issues and thereby to promote a clearer public understanding of the situation.

In the preparation of this study the Conference Board has greatly benefited by the cooperation and suggestions of its Advisory Committee, composed of men specially interested in international economic problems and shipping questions, to whom the Conference Board wishes to express its indebtedness, viz.:

- Fred I. Kent, Director, Bankers Trust Company, New York City, Committee Chairman.
- A. Farwell Bemis, Chairman, Bemis Bros. Bag Company, Boston, Mass.
- Charles Cheney, President, Cheney Brothers, South Manchester, Conn.
- William L. Clause, Chairman, Pittsburgh Plate Glass Company, Pittsburgh, Pa.
- Rear Admiral Louis R. de Steiguer, Commandant, United States Navy Yard, New York City.
- Homer L. Ferguson, President, Newport News Shipbuilding & Dry Dock Company, Newport News, Va.
- W. F. Gephart, Vice-President, First National Bank, St. Louis, Mo.

- Eugene G. Grace, President, Bethlehem Steel Corporation, New York City.
- Robert L. Hague, Vice-President, Standard Shipping Company, New York City.
- Charles McAllister, President, American Bureau of Shipping, New York City.
- E. M. Patterson, Professor, University of Pennsylvania, Philadelphia, Pa.
- Herbert F. Perkins, First Vice-President, International Harvester Company, Chicago, Ill.
- Edward C. Plummer, Vice-Chairman, United States Shipping Board, Washington, D. C.
- George E. Roberts, Vice-President, National City Bank, New York City.
- Alfred P. Sloan, Jr., President, General Motors Corporation, New York City.
- H. G. Smith, Vice-President, Bethlehem Shipbuilding Company, New York City.
- Herbert B. Walker, President, American Steamship Owners' Association, New York City.
- Laurence R. Wilder, Sponsor, Transoceanic Corporation of the United States, New York City.

The Conference Board is especially indebted to Mr. Alfred H. Haag, Director of the Bureau of Research of the United States Shipping Board, for valuable assistance in supplying special data for this study.

In the preparation of its studies the National Industrial Conference Board avails itself of the experience and judgment of the business executives who compose its membership, and of recognized authorities in special fields, in addition to the scientific knowledge and equipment of its Research Staff. The publications of the Board thus finally represent the result of scientific investigation and broad business experience, and the conclusions expressed therein are those of the Conference Board as a body.

This volume was prepared by Mr. H. K. Murphey of the Conference Board's Research Staff, under the supervision of the Board's Staff Economic Council.

MAGNUS W. ALEXANDER,

New York City May, 1929

President.

CONTENTS

CHAPTER	PAG	E
I. Basic Considerations in Merchant Marine Policy.	. 1	l
Shipping as a Competitive Industry		ł
Shipping Rates and Costs of Shipbuilding and Opera		
tion		5
Shipping and Foreign Trade		5
Shipping and International Business Relationships		B
Merchant Marine as a Public Utility	. 10	
Shipping and Trade Expansion	. 11	l
PART I. THE PRESENT SITUATION		
II. The Status of the American Merchant Marine	. 17	7
	. 18	3
Ocean-Going Tonnage	. 20)
Vessels Operating in Foreign Trade	. 21	l
Oil-Burning Tonnage	. 26	5
Distribution of Shipping Services	. 28	3
Comparison with Foreign Merchant Marines .	. 30)
III. The Operations of the United States Shipping Board	. 34	ł
Regulatory Powers	. 34	Ł
Sale of Vessels and Services	. 34	
Provisions of the Merchant Marine Act .	. 37	
Laid-up Fleet	. 37	
Services Maintained	. 41	
Deficits	. 43	
Interest in Port Development	. 45	
IV. Private American Shipping Interests	. 48	
Industrial Carriers	. 48	
Common Carriers	. 49	
Purchasers of Shipping Board Services	. 51	_
American Ownership of Foreign Vessels	. 52	2
V. The American Merchant Marine in Relation to Foreig	n	
Trade	. 55	
Value of a Merchant Marine to Foreign Trade	. 5	
Percentage of Cargo Carried in American Vessels	. 58	-
Character of American Imports and Exports .	. 70	
Foreign Vessels in Indirect Trade	. 76	
Passenger Traffic	. 77	1

AMERICAN MERCHANT MARINE

CHAPTER						j	PAGE
VI. The American Merchant Mari	ine a	nd N	atior	al D	efen	se	81
Value of the Shipping and S	hipbu	aildir	ng Ind	dusti	ics fe	o r	
							81
National Defense Vessels Available as Naval	Auxi	liarv				÷	83
The Naval Reserve Percentage of American Cit							86
Percentage of American Cit	izens	i in C	Crews	,			87
Activities of Sea Service Se	ction						88
			•	•	•	•	•••
Part II. Favorable and Unfav	ORA	BLE]	FACTO	ors A	TTE	ст	-
ing the Maintenance							
Merchant M	I ARIN	(E					
VII. Natural and Economic Advar Natural Resources Capital Business Initiative . Extensive Foreign Trade	itage	•					91
Natural Resources		3	•	•	•	•	01
Capital	•	•	•	•	•	•	٥٢ ٥٢
Business Initiative	•	•	•	•	•	•	05
Extensive Forsign Trade	•	•	•	•	•	•	95
Extensive Foreign Trade		•	:	:		•	30
VIII. Governmental Factors Favora	blet	o an	Ame	rican		r-	~~
chant Marine	• ~	٠.	•	•	•	٠	98
chant Marine Reservation of the Coastwi Free Ships	se Tr	ade	•	•	•	٠	98
Free Ships	:	:	•	•		•	99
Free Ships Aids Provided by Merchant	t Ma	rine	Act o	of 19	28	٠	100
Construction Loans .	•	•	•	•	•	٠	101
Construction Loans . Mail Contracts	•	•	•	•	•	•	102
IX. Disadvantages Arising out of	Worl	ld Co	ompe	titiv	e Co	n-	
ditions			<i>,</i> •		•		108
ditions . American Costs of Ship Co	nstru	ction	n and	Ope	ratio	n	108
Regulatory Legislation .					•		113
Government Competition							114
Foreign Subsidy Policies							116
Relative Inexperience .	2						120
Regulatory Legislation . Government Competition Foreign Subsidy Policies Relative Inexperience . World Surplus of Shipping	1						120
X. Disadvantages Arising out of	the	Inte	rnati	onal	Trac	łe	
Situation	ciie						122
American Tariff Bolicy	•	•	•	•	•		122
Situation American Tariff Policy . Creditor Position of the Un		Seat.	•	•	•	•	126
Creditor Position of the On	illeu	Jiai	63	•	•	•	
PART III. SUGGESTED MEANS FOR	. Tw	PPAV	TNO	тн Р.	Аме	RI	CAN
Merchant Marine al	vn I1	e Se	RVICI	7 4			
VIERCHANI MARINE A							131
XI. Subsidies and Subventions	•	•	•	•	•	•	131
XI. Subsidies and Subventions General Navigation Bountion Trade Route Subventions Naval Reserve Aid	5	•	•	•	•	•	177
I rade Koute Subventions	•	•	•	٠	•	•	124
Naval Keserve Ald		•	•		•	٠	TOL

х

CONTENTS

CHAPTER						PAGE
XII. Preferential Treatment of Americ	can V	essels				137
Preferential Railroad Rates .			•	•		137
Discriminating Duties				•		139
General Policy						140
Indirect Trade						141
Discriminating Tonnage Dues						143
Diversion of Immigrant Traffic						145
XIII. Special Measures of Limited Sco	pe.		•			147
Revision of the Navigation La	ws					147
Taxation of Shipping Industry		•				148
Government Transport Service			•			149
Inclusion of Philippines under		twise	Law	•		150
Construction of Naval Vessels						151
XIV. Summary and Conclusions .				•	•	154
Appendix A. Definition of Technical Te			•.	. "		161
Appendix B. List of American Compa vately-Owned American Ves		Oper	atin.	g Pi	-1-	163

xi

LIST OF TABLES

LISI OF IABLES	
TABLE	PAGE
1. Number and Gross Tonnage of Ocean-Going Merchant	
Vessels of 1,000 Gross Tons and over, January 1, 1929	19
2. Number and Gross Tonnage of American Ocean-Going	
Merchant Vessels of 1,000 Gross Tons and over Actively	
Employed in the Coastwise Trade during the Year 1928,	
Classified as to Size, Age and Speed	21
3. Size of American Ocean-Going Merchant Vessels of 1,000	
Gross Tons and over, Actively Employed in Foreign	
Trade on January 1, 1929	22
4. Age of American Ocean-Going Merchant Vessels of 1,000	
Gross Tons and over, Actively Employed in Foreign	
Trade on January 1, 1929	23
5. Speed of American Ocean-Going Merchant Vessels of 1,000	
Gross Tons and over, Actively Employed in Foreign	
Trade on January 1, 1929	25
6. Type of Propulsion of American Ocean-Going Merchant	
Vessels of 1,000 Gross Tons and over, Actively Em-	
ployed in Foreign Trade on January 1, 1929	26
7. American Coal-Burning, Oil-Burning and Motor Ships of	
1,000 Gross Tons and over, Actively Employed in Coast-	
wise Trade and Foreign Trade during the Year 1928 .	27
8. Foreign Trade Services Provided by Private American and	
United States Shipping Board Vessels of 1,000 Gross	
Tons and over on January 1, 1929	29
9. Steamers and Motor Ships of 1,000 Gross Tons and over	
of the Leading Maritime Countries of the World on	
June 30, 1928	31
10. Speed of Ships of 2,000 Gross Tons and over Constructed	
in the Years 1920-1928, Inclusive, for Ocean Service for	
United States, Great Britain, Japan, France and Ger-	
many	31
11. Coal-Burning, Oil-Burning and Motor Ships of 2,000	
Gross Tons and over Constructed in the Years 1920-1928,	
Inclusive, for Ocean Service for United States, Great	
Britain, Japan, France and Germany	32
12. Employment of Vessels Sold by United States Shipping	
Board, January 1, 1929	39
13. Size and Speed of Vessels in United States Shipping Board	
Laid-up Fleet, as of January 1, 1929	40

.

TABLE P	AGE
14. Cargo and Passenger Services Maintained by the Mer-	
chant Fleet Corporation on June 30, 1928	41
15. Operators of United States Shipping Board Vessels, with	
the Number and Gross Tonnage of the Vessels Operated	
as of December 31, 1928	42
16. Profit and Loss of the United States Shipping Board Mer-	
chant Fleet Corporation, Excluding Liquidation, Fiscal	
Years 1924–1928, Inclusive	44
17. American Industrial Carriers Operated in Calendar Year	
1928	49
18. Lines Formerly Owned and Operated by the United States	••
Shipping Board, Now Privately Owned and Operated,	
as of April 1, 1929	50
19. Approximate Gross Tonnage of Vessels of 1,000 Gross	20
Tons and over Owned and Operated by American Ship-	
ping Interests, Private and Governmental, 1928 .	53
20. Per Cent of the Value of the Water-Borne Foreign Com-	55
merce of the United States Carried in American Vessels,	
1870–1928, Inclusive	59
21. Per Cent of Cargo Tonnage of Water-Borne Foreign Com-	57
merce of the United States Carried in American Vessels,	
1921–1928, Inclusive	60
22. Cargo Tonnage of Water-Borne Foreign Commerce of the	00
	62
United States, 1921-1928, Inclusive	02
23. Cargo Tonnage and Per Cent Distribution of American	
Ocean-Borne Exports and Imports, by Type of Cargo,	63
	65
24. Per Cent of Cargo Tonnage of American Ocean-Borne Ex-	
ports and Imports Carried in American Vessels, 1921-	63
1928, Inclusive	ယ
25. Per Cent Distribution of Cargo Tonnage of American	
Ocean-Borne Exports and Imports, by Carrier, 1921-	64
1928, Inclusive	04
26. Per Cent Distribution of Cargo Tonnage of American	
Ocean-Borne Exports and Imports, Dry Cargoes and	15
Tanker Cargoes, 1927	65
27. Cargo Tonnage and Per Cent Distribution of American	
Ocean-Borne Exports and Imports by Foreign Irade	17
Districts, 1927	67
28. Cargo Tonnage of Principal American Ocean-Borne Im-	71
ported Commodities, 1927	71
29. Cargo Tonnage of Principal American Ocean-Borne Ex-	70
ported Commodities, 1927	75

xiii

xiv AMERICAN MERCHANT MARINE

TABLE	PAGE
30. Foreign Vessels in Direct Trade between United State and Their Own Countries and in Indirect Trade be tween United States and Foreign Countries Other Tha Their Own	
31. American Ocean-Borne Passenger Traffic, 1923-1928, In clusive	. 78
32. Per Cent of American Ocean-Borne Passenger Traffic Can ried by American Vessels, 1923–1928, Inclusive	
33. Auxiliary Naval Equipment of Chief Maritime Nations 1928	
34. Nationality of Seamen in American Merchant Marine 1926–1928, Inclusive	. 87

Chart

LIST OF CHARTS

1.	Distribution of American Ocean-Borne Imports, 1927 .	68
	Distribution of American Ocean-Borne Exports, 1927 .	69
3.	Cargo Tonnage of Principal American Ocean-Borne Com- modities, 1927	73
4.	American Ocean-Borne Passenger Traffic, 1923-1927, In- clusive	79