

WOMEN IN INDUSTRY

in the

ORIENT

A Source Book

Compiled by the Education and Research
Division and the Industrial Department of
the Y. W. C. A. as a background for study
and understanding of industrial conditions in
the East particularly as they affect women.

Copyright, 1926, by the

NATIONAL BOARD OF THE
YOUNG WOMENS CHRISTIAN ASSOCIATIONS
OF THE U. S. A.

Printed in U.S.A.

THE WOMANS PRESS
600 LEXINGTON AVENUE NEW YORK

CONTENTS

SECTION I

GENERAL

	PAGE
Charts	4
Developing Christian World-Mindedness	D. J. Fleming 16
Facing World Friction Points	D. J. Fleming 28
Far-Reaching Effects of Industrialization, The	C. C. Batchelder 22
International Economic Problems	Mollie Ray Carroll 2
International Issue of the Pacific, The	Chester H. Rowell 2
Race Contacts in the World Today	Harry F. Ward 1
Storm Out of Asia, The	Herbert Adams Gibbons 2
ACTIONS BY INTERESTED GROUPS	30
American Federation of Labor	<i>American Federationist</i> , Proceedings, Annual Convention, 1925 3
American Fellowship of Reconciliation	<i>The World Tomorrow</i> 2
Asiatic Labor Conference	<i>The World Tomorrow</i> 3
British Trades Union Congress	<i>Industrial and Labor Information</i> 3
Conference on the Cause and Cure of War	<i>Industrial and Labor Information</i> 37
Conference on Politics, Economics and Citizenship	<i>The Womans Press</i> 38
Federation of Woman's Boards of Foreign Missions of North America	40
International Association of Industrial Welfare Workers	<i>Industrial and Labor Information</i> 41
International Association for Labor Legislation	<i>Industrial and Labor Information</i> 42
International Congress for Social Politics	43
International Council of Women	43
International Federation of Trade Unions	<i>Industrial and Labor Information</i> 44
International Federation of Working Women	<i>Industrial and Labor Information</i> 44
International Labor Conference	<i>Industrial and Labor Information</i> 45
International Labor Organization	Handbook on the League of Nations 45
National Christian Council of China	53
National Christian Council of India	54
National Christian Council of Japan	Rev. William Axling, D.D. 54
National Women's Trade Union League of America	55
Universal Christian Conference on Life and Work	Report of Commission on the Church and Economic and Industrial Problems 56
Women's International League	<i>Industrial and Labor Information</i> 58

SECTION 2

CHINA

Beneath the Smokestacks	Paul Hutchinson 75
British Official Reports	Papers Respecting Labor Conditions in China 96

Changing China, A	Committee of Reference and Council, Foreign Missions Conference of North America	108
Child Labor in China	Dame Adelaide Anderson.....	100
Child Labor in Shanghai	<i>Industrial and Labor Information</i>	107
China's Industrial Growth	<i>Literary Digest</i>	71
China Today	Mrs. Raymond Robins.....	59
Chinese Industrial Administration Conference.....	<i>Monthly Labor Review</i>	85
Factory Regulations in China.....	<i>Industrial and Labor Information</i>	84
Improvement of Conditions.....	China Year Book, 1925.....	83
Industrial Development	L. T. Chen	72
Industrial Hospital, Shanghai.....	H. W. Decker, M.D.....	81
Labor Conditions in China	Shin Tak Hing	72
Labor and Industry in China.....	J. B. Taylor and W. T. Zung	89
Mission Industries	Helen Davis Chandler.....	87
Modern Industry in China	W. T. Zung	76
Phosphorus Poisoning in Chinese Match Factories.....	<i>Monthly Labor Review</i>	85
Popular Education Movement, The.....	J. C. Yen	94
Report of Municipal Commission, Shanghai.....	<i>Industrial and Labor Information</i>	101
Research, Use of Phosphorus.....	Report, Dr. C. T. Maitland	86
Shanghai Municipality's Resolutions.....	China Year Book, 1925.....	105
Significance of the Present Situation in China.....	Notes from Foreign Policy Association	111
What the Chinese Want	Harry F. Ward	115

SECTION 3

INDIA

All-India Trade Union Congress.....	<i>Monthly Labor Review</i>	166
British Imperialism	C. F. Andrews	117
Caste System, The	Janet Kelman	135
Coal Mines, The	Rev. W. Paton	142
Decline of Cottage Industries, The.....	Brij Narain	150
Factory Conditions in Bombay Presidency.....	<i>Monthly Labor Review</i>	151
Factory Inspection	International Labor Office.....	153
Home-Rule and Homespun	C. F. Andrews	139
India's Industrial Revolution.....	Sherwood Eddy	130
Indian Laborer, The	Brij Narain	128
Indian Mill Owners' Protest	<i>Industrial and Labor Information</i>	159
Labor in Bombay	A. R. Burnett-Hurst	152
Labor Legislation	Sir C. Ernest Low	120
Labor Problem, The	P. P. Pillai	127
Labor Regulations	Indian Year Book, 1924.....	154
Labor Union Problem, The	P. P. Pillai	158
Situation in India, The	Sir C. Ernest Low	124
Social Service Reform and Reconstruction in India.....	<i>Social Service Bulletin</i>	159
Suggestions for a Program of Industrial Investigation and Service	Rev. W. Paton	162
Unemployment	<i>Industrial and Labor Information</i>	159
Village Industries	P. P. Pillai	147

SECTION 4

JAPAN

	PAGE
Comparative Statement of Plans, A.....	201
Conditions of Labor in the Japanese Spinning Industry.....	173
Conditions of Miners.....	176
Enforcement of the Amended Factory Act.....	185
Factory Inspection.....	182
Factory Regulations.....	184
Industrial Accidents.....	184
Japanese Association for International Labor Legislation.....	201
Japanese Survey of Labor Conditions.....	184
Labor Legislation in Japan.....	199
Labor Recruiting in Japan and Its Control.....	177
Labor Schools in Japan.....	199
Labor Unions in Japan.....	197
Progress of the Labor Movement in Japan.....	189
Recent Tendencies of Trade Unionism.....	200
Tokyo Municipal Labor School.....	187
Tuberculosis in Japan.....	177
Unemployment in Japan.....	181
Vocational Education in Japan.....	188
Women Workers in Japanese Factories and Mines.....	166
Workers' Education.....	198

SECTION 5

THE Y. W. C. A. AND WOMEN IN INDUSTRY

National Young Women's Christian Associations and Industry.....	214
China.....	214
Great Britain.....	217
India.....	218
Japan.....	219
United States.....	219
World's Young Women's Christian Association and Industry, The.....	208
Berlin Conference Actions.....	208
Champéry Recommendations.....	209
Association and Its Interpretation of Christ at the Present Day, The.....	212
Aim of the World's Y. W. C. A., The.....	213

ATTITUDES OF EMPLOYERS

CHINA

Child Labor in China.....	100
Labor Conditions in China.....	72
Modern Industry in China.....	76

INDIA	PAGE
Caste System, The	135
Coal Mines, The	142
Indian Mill Owners' Protest	159
India's Industrial Revolution	130
Labor Union Problem, The	158
Situation in India, The	124

JAPAN	
Conditions of Labor in the Japanese Spinning Industry.....	173
Labor Recruiting in Japan and Its Control.....	177
Unemployment in Japan	181
Women Workers in Japanese Factories and Mines.....	166

GOVERNMENT ATTITUDES

GENERAL	
Far-Reaching Effects of Industrialization, The	22

CHINA	
Chinese Industrial Administration Conference	85
Factory Regulations in China	84
Labor Conditions in China	72
Modern Industry in China	76

INDIA	
British Imperialism	117
Coal Mines, The	142
Factory Conditions in Bombay Presidency	151
Factory Inspection	153
India's Industrial Revolution	130
Labor Legislation	120
Labor Regulations	154
Labor Union Problem, The	158
Situation in India, The	124

JAPAN	
Enforcement of the Amended Factory Act.....	185
Factory Regulations	184
Industrial Accidents	184
Japanese Survey of Labor Conditions	184
Labor Legislation in Japan	199
Labor Recruiting in Japan and Its Control	177
Progress of the Labor Movement in Japan	189
Tokyo Municipal Labor School	187
Vocational Education in Japan	188

ATTITUDES OF ORGANIZED LABOR

GENERAL	
Asiatic Labor Conference	36
International Federation of Trade Unions	44
International Labor Conference	45

CHINA	
Labor and Industry in China	89

GREAT BRITAIN	
British Trades Union Congress	37

INDIA	
All-India Trade Union Congress.....	166
India's Industrial Revolution	130
Labor Union Problem, The	158

JAPAN	PAGE
Comparative Statement of Plans, A.....	201
Japanese Association for International Labor Legislation.....	201
Labor Schools in Japan	199
Labor Unions in Japan	197
Progress of the Labor Movement in Japan	189
Recent Tendencies of Trade Unionism	200
Workers' Education	198
UNITED STATES	
American Federation of Labor	30
National Women's Trade Union League	55

CHILD LABOR

GENERAL	
Continuation Committee, C. O. P. E. C.....	38
Federation of Woman's Boards of Foreign Missions.....	41
International Association for Labor Legislation.....	42
International Congress for Social Politics.....	43
Universal Christian Conference on Life and Work.....	56
Women's International League	58
CHINA	
Beneath the Smokestacks	75
British Official Reports.....	96
Child Labor in China.....	100
Child Labor in Shanghai.....	107
China Today	59
Labor Conditions in China.....	72
Modern Industry in China.....	76
Report of Municipal Commission, Shanghai.....	101
Shanghai Municipality's Resolutions.....	105
INDIA	
Coal Mines, The.....	142
Factory Conditions in Bombay Presidency.....	151
India's Industrial Revolution.....	130
Labor in Bombay.....	152
Labor Legislation	120
JAPAN	
Unemployment in Japan.....	181
Women Workers in Japanese Factories and Mines.....	166

EDUCATION FOR WORKERS

CHINA	
China Today	59
Popular Education Movement, The.....	94
JAPAN	
Labor Schools in Japan.....	199
Tokyo Municipal Labor School.....	187
Vocational Education in Japan.....	188
Workers' Education	198

HEALTH ASPECTS OF THE INDUSTRIAL PROBLEM

CHINA	
Improvement of Conditions.....	83
Industrial Hospital, Shanghai.....	81

	PAGE
Labor Conditions in China.....	72
Phosphorus Poisoning in Chinese Match Factories.....	85
Research, Use of Phosphorus.....	86

INDIA

Coal Mines, The.....	142
India's Industrial Revolution.....	130
Situation in India, The.....	124

JAPAN

Industrial Accidents.....	184
Tuberculosis in Japan.....	177
Women Workers in Japanese Factories and Mines.....	166

HISTORICAL BACKGROUND OF THE PRESENT INDUSTRIAL SYSTEM

CHINA

China's Industrial Growth.....	71
China Today.....	59
Industrial Development.....	72
Labor and Industry in China.....	89
Labor Conditions in China.....	72

INDIA

Caste System, The.....	135
India's Industrial Revolution.....	130
Indian Laborer, The.....	128
Labor Regulations.....	154
Labor Union Problem, The.....	158
Situation in India, The.....	124

JAPAN

Labor Recruiting in Japan and Its Control.....	177
Progress of the Labor Movement in Japan.....	189
Women Workers in Japanese Factories and Mines.....	166

HOURS

CHINA

Labor Conditions in China.....	72
--------------------------------	----

INDIA

Coal Mines, The.....	142
Labor Legislation.....	120
Labor Regulations.....	150

JAPAN

Women Workers in Japanese Factories and Mines.....	166
--	-----

INTERNATIONAL EFFECTS OF INDUSTRIALIZATION OF THE ORIENT

Charts.....	4
Facing World Friction Points.....	28
Far-Reaching Effects of Industrialization, The.....	22
Indian Mill Owners' Protest.....	159
International Economic Problems.....	27
International Issue of the Pacific, The.....	26

LEGAL STATUS OF WORKERS

	PAGE
International Labor Organization.....	45
CHINA	
Factory Regulations in China.....	84
INDIA	
Labor Regulations	154
JAPAN	
Factory Inspection	182
Factory Regulations	184
Progress of the Labor Movement in Japan.....	189
Women Workers in Japanese Factories and Mines.....	166

RECOGNITION OF INTEREST IN INDUSTRIAL CONDITIONS OF THE WORLD

American Federation of Labor, 1925.....	30
American Fellowship of Reconciliation, 1925.....	35
Asiatic Labor Conference.....	36
British Trades Union Congress, 1925.....	37
Conference on the Cause and Cure of War, 1925.....	37
C. O. P. E. C.—Commission Report, 1924.....	38
International Association of Industrial Welfare Workers, 1925.....	41
International Association for Labor Legislation, 1925.....	42
International Congress for Social Politics, 1924.....	43
International Council of Women, 1925.....	43
International Federation of Trade Unions, 1925.....	44
International Federation of Working Women, 1925.....	44
International Labor Conference, 1925.....	45
National Women's Trade Union League of America, 1924.....	55
Universal Christian Conference on Life and Work, 1925.....	56
Women's International League (British), 1925.....	58

SMALL INDUSTRIES

CHINA	
Mission Industries	87
National Christian Council.....	53
INDIA	
Decline of Cottage Industries, The.....	150
Labor Problem, The.....	127
Village Industries	147

SPECIAL LEGISLATION FOR WOMEN

CHINA	
Labor Conditions in China.....	72
INDIA	
All-India Trade Union Congress.....	166
Labor Legislation	120
Suggestions for a Program of Industrial Investigation and Service.....	162
JAPAN	
Comparative Statement of Plans, A.....	201
Women Workers in Japanese Factories and Mines.....	166

SPIRITUAL FACTORS IN THE ECONOMIC WORLD

	PAGE
American Fellowship of Reconciliation.....	35
Changing China, A.....	108
China Today.....	59
Conference on the Cause and Cure of War.....	37
C. O. P. E. C.....	38
Developing Christian World-Mindedness.....	16
Home-Rule and Homespun.....	139
Modern Industry in China.....	76
National Christian Council of China.....	53
National Christian Council of Japan.....	54
National Young Women's Christian Associations.....	214
Social Service Reform and Reconstruction in India.....	159
Suggestions for a Program of Industrial Investigation and Service—India.....	162
Universal Christian Conference on Life and Work.....	56
World's Young Women's Christian Association, The.....	208

TOWARD INTERNATIONAL THINKING

American Fellowship of Reconciliation.....	35
British Trades Union Congress.....	37
Charts.....	4
China Today.....	59
Conference on the Cause and Cure of War.....	37
Developing Christian World-Mindedness.....	16
Facing World Friction Points.....	28
Far-Reaching Effects of Industrialization, The.....	22
International Association of Industrial Welfare Workers, 1925.....	41
International Congress for Social Politics.....	43
International Council of Women.....	43
International Federation of Working Women.....	44
National Christian Council of China.....	53
National Women's Trade Union League of America.....	55
Race Contacts in the World Today.....	18
Significance of the Present Situation in China.....	111
Storm Out of Asia, The.....	20
Universal Christian Conference on Life and Work.....	56
What the Chinese Want.....	115
Women's International League.....	58

TRADE UNIONS

CHINA

Labor and Industry in China.....	89
----------------------------------	----

INDIA

All-India Trade Union Congress.....	166
India's Industrial Revolution.....	130
Labor Union Problem, The.....	158

JAPAN

Conditions of Labor in the Japanese Spinning Industry.....	173
Labor Unions in Japan.....	197
Progress of the Labor Movement in Japan.....	189
Recent Tendencies of Trade Unionism.....	200

UNEMPLOYMENT

	PAGE
GENERAL	
Universal Christian Conference on Life and Work.....	56
INDIA	
Labor Legislation	120
Unemployment	159
JAPAN	
Unemployment in Japan.....	181

WAGES

GENERAL	
Industrial Program of International Council of Women.....	43
CHINA	
Beneath the Smokestacks.....	75
Labor Conditions in China—Footnote.....	72
INDIA	
India's Industrial Revolution.....	130
JAPAN	
Women Workers in Japanese Factories and Mines.....	166

WOMEN IN MINES

INDIA	
Coal Mines, The.....	142
JAPAN	
Women Workers in Japanese Factories and Mines.....	166

ACKNOWLEDGEMENTS

The material used in this Source Book was compiled in 1924 for use in connection with a discussion course, "The East and West Meet in Industry," published in *Industrial Bulletin*, Number VI, of the Industrial Department, National Board, Y. W. C. A. New material was added in 1925-1926.

The excerpts have been chosen from two points of view. The first endeavor has been to include that information necessary (even though not always of most recent date) for any real study of the development of industry in oriental countries, its effect upon the life of women, and the factors concerned with its proper development—information which was relatively inaccessible, either because it could be found only in special reports or because it was published in expensive form. The second endeavor has been to offer as far as possible a review which may be studied from different angles, but which in itself presents the subject not from the situation in one country particularly or in any special phase of industry or from any one approach. The topical index—a feature of the revision of the original book—should be of assistance in any detailed search for material of particular import.

Under each country the arrangement of this very unarrangeable material is as follows—somewhat loosely, of necessity, since one article often overlaps another both chronologically and topically:

First—that material which has to do with the general situation; sometimes a brief historic view, sometimes a summary. Second—material upon special subjects. Third—actions or activities of groups within a country in connection with the problems presented.

This Source Book can, however, only supplement other material easily found in other books which, taken together with the Source Book, form a minimum amount of resource for real understanding of the subject. The books suggested are these:

THE NEW WORLD OF LABOR. Sherwood Eddy. George H. Doran Company, New York, \$1.50.

This gives briefly the situation in China, India, Japan, and is very readable.

LABOR IN INDIA. Janet H. Kelman. Doran, \$4.00.

CHINA'S REAL REVOLUTION. Paul Hutchinson. Missionary Education Movement, New York. Paper 50 cents; cloth 75 cents.

CREATIVE FORCES IN JAPAN. Galen M. Fisher. Missionary Education Movement. Paper 50 cents; cloth 75 cents.

THE REAWAKENING OF THE ORIENT AND OTHER ADDRESSES. Sir Valentine Chirol, Yusuke Tsurumi, Sir Arthur Salter. Yale University Press, New Haven, Connecticut, \$2.00.

PROCEEDINGS, ADDRESSES, ETC., OF INSTITUTE OF PACIFIC RELATIONS, AT HONOLULU, 1925. Published by The Institute, P. O. Box 156, Honolulu.

CHINA IN THE FAMILY OF NATIONS. Henry T. Hodgkin. Doran, \$2.00.
LABOR IN INDIAN INDUSTRIES. Gladys M. Broughton. Oxford University Press, \$3.00.

Anyone who makes use of this Source Book will, we hope, be inspired to follow up for himself the facts here given; with a view to finding out—through current newspaper and magazine articles, later reports of the organizations here represented, and from the increasing number of books now being published—what has further happened; where these beginning steps have so far led. The publishers themselves hope to issue from time to time such new material as may seem pertinent to a further understanding of women's place in industry in the Orient.

We are sincerely grateful for permission to use excerpts from the books just mentioned, and from the following: *Christ and Labor*, by C. F. Andrews, published by the George H. Doran Company; *Handbook of the League of Nations*, published by the World Peace Foundation; *Economic Conditions in India*, by P. P. Pillai, published by George Routledge and Sons, Ltd., and E. P. Dutton & Co.; *Population of India*, by Brij Narain, professor of economics, Savatena Dohrma College, Lahore; *Labor and Housing in Bombay*, by A. R. Burnett-Hurst, published by P. S. King and Son, Ltd.; *Whither Bound in Missions*, by D. J. Fleming, published by the Association Press.

We are also indebted to publishers of magazines for permission to quote from the following articles: "The Storm Out of Asia," by Herbert Adams Gibbons, and "Is Modern Industry a White Peril to China?" by Vera Kelsey, from *Asia* (magazine); editorials from *The American Federationist*; "Home Rule and Homespun," by C. F. Andrews, from *The Living Age*; "Race Contacts in the World Today," by Harry F. Ward, "Asiatic Labor Conference," and "Statement of the American Fellowship of Reconciliation," from *The World Tomorrow*; "What the Chinese Want," by Harry F. Ward, from *The New Republic*; "The International Issue of the Pacific," by Chester H. Rowell, from *The Survey*; "China Today," by Mrs. Raymond Robins, from *Life and Labor Bulletin*; "Facing World Friction Points," by Sherwood Eddy, from *International Review of Missions*; "Chinese Industrial Administration Conference," "Phosphorus Poisoning in Chinese Match Factories," "Factory Conditions in Bombay Presidency," and "All India Trade Union Congress," from *Monthly Labor Review*.

We also wish to acknowledge gratefully the use of material quoted from the following sources: *Industrial and Labor Information, Factory Inspection*, and the *International Labor Review*, published by the International Labor Office; *Modern Industry in China*, Industrial Reconstruction Series No. 4, published by the Commission on Church and Industry of the National Christian Council of China; *China Medical Journal*, published by the China

Medical Missionary Association; *Life and Labor Bulletin*, published by the National Women's Trade Union League of America; *The Christian Movement in Japan, Korea and Formosa*, published by the Federation of Christian Missions in Japan; *Brief History of the Indian Peoples*, by Sir W. W. Hunter, published by the Clarendon Press, Oxford, England; "Industrial Relations and the Churches," published in *Annals of the American Academy of Political and Social Science*; *Indian Year Book*, 1924; *China Mission Year Book*, 1924; *China Mission Year Book*, 1925; *Papers Respecting Labor Conditions in China* (printed by the government of Great Britain); *The Present Situation in China and Its Significance for Christian Missions*, issued by the Committee of Reference and Counsel, Foreign Missions Conference of North America; *Women and the International Labor Movement*, in the Women in Industry Series, published by the National League of Women Voters; *Report of the Proceedings, Addresses, etc., of the Institute of Pacific Relations*, 1925; *Kaizo*, a Japanese periodical; bulletins of the Foreign Policy Association.

Finally we would especially acknowledge the kindness of Mrs. Esther Fox for generous permission to make use of her valuable charts on industry and trade.

GENERAL

Above the individual, like an ardent flame, floats the standard of nationalism; above nationalism waves the banner of race; free and untrammelled, far above nationalism and race, streams the oriflamme of the spirit, for the spirit knows naught of limitations, which are consumed and annihilated in its ardent white flame.—*Gabriela Mistral*.

From "Gabriela Mistral" in *The Womens Press*, March 1925.

I call myself a nationalist and I pride myself in it. But my nationalism is as broad as the universe. It includes in its sweep even the lower animals. It includes in its sweep all the nations of the earth, and if I possibly could convince the whole of India of the truth of this message, then India would be something to the whole world for which the world is longing. My nationalism includes the well-being of the whole world. I do not want my India to rise on the ashes of other nations. I do not want India to exploit a single human being. I want India to become strong in order that she can infect the other nations also with her strength.—*Mahatma Gandhi*,

in a speech to Indian Christians. From "Gandhi on Nationalism," in *The World Tomorrow*, October 1925.

Whereas the League of Nations has for its object the establishment of universal peace, and such a peace can be established only if it is based upon social justice.

And whereas conditions of labor exist involving such injustice, hardship and privation to large numbers of people as to produce unrest so great

that the peace and harmony of the world are imperilled; and an improvement of those conditions is urgently required; as, for example, by the regulation of the hours of work, including the establishment of a maximum working day and week, the regulation of the labor supply, the prevention of unemployment, the provision of an adequate living wage, the protection of the worker against sickness, disease and injury arising out of his employment, the protection of children, young persons and women, provision for old age and injury, protection of the interests of workers when employed in countries other than their own, recognition of the principle of freedom of association, the organization of vocational and technical education and other measures;

Whereas also the failure of any nation to adopt humane conditions of labor is an obstacle in the way of other nations which desire to improve the conditions in their own countries;

The High Contracting Parties, moved by sentiments of justice and humanity as well as by the desire to secure the permanent peace of the world, agree to the following: [Organization of Labor].

—From the preamble to Part XIII of the Treaty of Versailles.

Doubtless there have always been individuals whose idealism reached the bounds expressed in the passages quoted above. Our generation is marked by a spread of such ideals to include whole groups of individuals who are as vigorous in their action as they are ardent in their belief. Further, men and women are realizing that there is no permanence in the solution of any problem that is made without reference to associated problems in other parts of the world. Especially is this true in matters of industry and commerce, where no one country can for long stand alone.

It was a realization of this fact that prompted the original demand for which this material was assembled. Knowledge added to idealism can be a powerful weapon for good. It is with this hope that this new edition of the Source Book is sent out.

CHARTS

The fundamental idea worked out so ably in the following charts is the interdependence of all parts of the world today.

As President Coolidge said last January before the Women's Conference on Peace at Washington: "The interdependence of peoples and nations becomes more marked every year. None can stand alone. None dares risk the ill opinion of civilization—Thus shall we begin the actual outlawry of war."

Our own country cannot flatter itself that it is independent of the rest of the world. We must sell much of our cotton, corn and wheat abroad or else entirely reapportion our use of land and capital. The foreign demand for copper may make all the difference in the world to our copper mining territory—Michigan, Montana, Arizona, Utah, and Alaska—regions often thought of as too far west to be interested in "abroad."

About one sixth of all we consume comes from other countries abroad and if that sixth were cut off the remainder would shrink. We must buy raw materials from other nations in order to work them up into finished products, many of which are so difficult to do without as to be "necessities." Yet few who use them stop to think of them as foreign products. Ex-Secretary Redfield has asked us to imagine a man living through a single day without any dependence on "abroad" for the things he consumes and uses. Such a man would, of course, have to forego any tea, coffee, cocoa, or chocolate, any silk hosiery or ties, any linen shirts, collars or handkerchiefs, towels or napkins, or tablecloths, any hat, whether felt or straw. He could wear no rubbers and carry no silk umbrella. He could not walk on shellacked floors nor drive in an auto unless he took off the tires of Singapore rubber. His bread, even if made of American wheat, required for bolting the flour bolting cloths of Japanese silk woven in Switzerland; and, going back, we find the wheat harvested required Yukatan sisal for binding. The table cutlery and china are largely of foreign origin. Every American tomato can is indebted for its tin to the Dutch East Indies, the Malay Peninsula, or Bolivia; and for the palm oil used in sticking that tin on American sheet steel, to West Africa.

There are certain raw materials in the world which cannot be replaced when the supply is used up. As all nations need them, their conservation is a matter in which every country has an interest. When we find the gasoline tank empty after an afternoon's ride, a certain amount of the world's crude supply of crude oil is gone forever. As the other nations of the world own or control eighty-five per cent of the reserve supply of crude oil, our interest in automobiles has a direct bearing on the foreign policy of our government. We are living in an age of oil.

Business today knows no international boundary. Our salesmen sail the seven seas to buy and sell; our government has its representatives in every corner gathering current business information to aid us; our banks have their branches in the great centers of trade doing their work in our international business.

On January 10, 1920, forty-two nations of the world, since grown to fifty-five, put in operation an agreement to cooperate in developing an organization to insure the conditions upon which their people could have happiness and prosperity. Nations of the west and nations of the east joined in this agreement which in five years has become the strongest force in the international world.

This League resembles an insurance company by which fifty-five nations join in mutually insuring each other against war and other interruptions of their economic life. Every business man is interested in the success of such an influence.

The charts in this book have been made to visualize, in convenient form, the relation of the people of the United States to this League of Nations. They speak for themselves.

Now that Europe has begun to "come back" in her manufacturing, having at her command all the information, the technical knowledge and skill, and contacts at the conference table for discussion of immediate problems which the League gives her, she has an advantage in the struggle for the world markets which we lack. Our business man is handicapped by our political isolation.

The question of South America and the Monroe Doctrine is one of human nature. We think of South America as under our wing. Really it is associating to its advantage with other countries. All Latin American countries except Mexico and Equador belong to the League. Brazil and Uruguay are represented on the Council which meets every three months to discuss current questions and find an answer to them. They are in touch with European capitalists, and European buyers. They are developing their resources as we developed ours in the middle of the last century and it is human nature for them to stand in with the group which gives them the most.

One-third of our total imports are raw materials used in manufacturing. It took a great steel corporation six weeks to make out the list of imported articles necessary in its business and the list covered fourteen pages.

We have a double interest in the economic life of the rest of the world, not only as trader but also as creditor. In trade we must give a *quid pro quo* and the net gain to ourselves and the other nations is only a differential advantage, each nation getting something better than it could otherwise get. But as creditor we are entitled to interest and principal for which the *quid pro quo* has already been given. So far as the future is concerned, the twelve billion dollars owed us by Europe is clear gain—"velvet." On the economic recovery of this slowly convalescent world will depend how much we get, and how fast we get it. To help toward the convalescence is therefore particularly to our interest in our new role as a creditor nation.

These are some of the reasons why America should be interested in the international problems set forth in these charts.

Yale University, February 1925.

—Irving Fisher.*

*Reprinted by permission from *Facts*, published by the Citizens Service Bureau, Northampton, Mass.

RAW MATERIAL

The Foundation of Modern Power



Business Corporation.
 Economic control through
 Investment of capital
 Exploration for new supplies
 Concessions
 Limited production

The People.
 The people as consumers in our modern democratic world control the forces behind economic and political production and distribution. Knowledge of facts and understanding of the needs of the peoples of the nations is the basis of international relations upon which business is founded.

The Governments
 Political control through
 Government ownership and operation
 Leases, royalties, licences, taxes, tariffs
 Inspection and regulation
 Military and naval aid given private interests.