# RICHARD JONES: AN EARLY ENGLISH INSTITUTIONALIST

NAI—TUAN CHAO, Ph. D.

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

IN THE

FACULTY OF POLITICAL SCIENCE

COLUMBIA UNIVERSITY

NEW YORK 1930

# RICHARD JONES: AN EARLY ENGLISH INSTITUTIONALIST

NAI—TUAN CHAO, Ph. D.

SUBMITTED IN PARTIAL PULFILLMENT OF THE REQUIREMENTS

FOR THE DECREE OF DOCTOR OF PHILOSOPHY

IN THE

FACULTY OF POLITICAL SCIENCE

COLUMBIA UNIVERSITY

NEW YORK 1930 Xx L90 G0 H7767

PRINTED IN THE UNITED STATES OF AMERICA.

To MY MOTHER

#### PREFACE

The following essay is an attempt to present the economic theories of Richard Jones, an English writer of the early Nineteenth Century. His institutional approach to economic problems attracted my attention for two reasons. In the first place, while I was working as a compiler in the National Bureau of Historical Research in Peking from 1920 to 1922 I was greatly impressed by the abundance of historical documents on Chinese economic history, but at the same time I was disappointed to find that the English Classical economics had nothing in common with Chinese economic conditions. Thus I became anxious to discover any English writer who emphasized the historical and institutional treatment of economics.

In the second place, after receiving instruction in economics from Professors Seligman, Seager, Mitchell and Simkhovitch at Columbia University I realized that the modern tendency of economic theory is to put great emphasis upon comparative study, historical treatment and the institutional approach. My study under these teachers led me to inquire whether these modern ideas could be traced back to any writer of the period when the Classical School dominated economic thought.

I owe a special debt to Professor E. R. A. Seligman, who first suggested the subject of this dissertation to me, and

without whose instruction the work could scarcely have been undertaken. For invaluable suggestions and supervision in the development of the study I am greatly indebted to Dr. E. M. Burns. Without her criticism and untiring guidance the work would not have been completed. I also wish to express my gratitude to Mr. R. W. Souter for his suggestions and my obligation to Miss Irma Rittenhouse for her aid in correcting the manuscript. I am particularly indebted to my friends Mr. and Mrs. S. S. Slaughter for their assistance in the course of the preparation of this study. Above all, my gratitude is extended to my wife for her warm sympathy and constant encouragement.

N. T. C.

New York, April 30, 1930.

# **CONTENTS**

## CHAPTER I

	Institutional Economics	
		Page
1.	Chief Characteristics of Institutional Economics	11
2.		18
	CHAPTER II	
	LIFE AND GENERAL BACKGROUND	
1.	Social Background—Contemporary Thought	. 32
2.	Personal Background and Friendships	
3.		
	CHAPTER III	
	JONES' SYSTEM OF POLITICAL ECONOMY	
1.	General Characteristics of his Theoretical Approach	45
2.	Theory of Distribution	
3.	Theory of Production	51
4.	Other Features of His System of Political Economy	55
	CHAPTER IV	
	THEORY OF RENT	
1.	Peasant Rent	60
2.	Farmer Rent	69
	CHAPTER V	
	THEORY OF WAGES	
1.	The Classification of Laborers and the Doctrine of	•
•	the Wage Fund	
٤.	Theory of Population	102

## CHAPTER VI

## THE THEORY OF PROFIT

1. The Source of Capital.  2. The Accumulation of Capital.  3. The Function of Capital.	118
CHAPTER VII	
Jones' Other Theoretical Contributions	
The Balance of Bargain System     Theory of Taxation and Tithes	
CHAPTER VIII	
Jones' Critics and His Inpluence	139
Appendix A	150
Appendix B	
Bibliography	
Index	165

#### APPENDIX A

A detailed study of Jones' threefold classification will reveal his turn of mind as well as his economic doctrines. The following list illustrates his classificatory economics.

- 1. There were three errors of the Ricardian school.1
  - A. There is assumed a constantly decreasing power in the agricultural occupation as nations multiply and become more civilized.
  - B. The laboring classes of the earth are maintained exclusively on funds saved from income.
  - C. The diminishing rate of profit observable as nations become numerous and rich indicates a decreasing power of accumulating fresh resources.
- 2. Jones mentioned three disadvantages of cottier rents.\*
  - A. The want of any external check to assist in repressing the increase of the peasant population beyond the bounds of an easy subsistence.
  - B. The want of any protection to their interests from the influence of usage and prescription in determining the amounts of their payments.
  - C. The absence of the direct common interest between the owners and the occupiers of the soil.
- 3. There are three different modes in which farmers' rent may increase. 8
  - A. An increase of the produce from the accumulation of larger quantities of capital in its cultivation.

<sup>&</sup>lt;sup>1</sup> Distribution of Wealth, Preface.

<sup>&</sup>lt;sup>2</sup> Distribution of Wealth, p. 139. Also Literary Remains, p. 209.

<sup>\*</sup> Distribution of Wealth, p. 178.

- B. The more efficient application of capital already employed.
- C. The dimunition of the share of the producing classes in that produce, and a corresponding increase of the share of the landlord.
- 4. Three fallacies in connection with a supposed indication of the decreasing efficiency of agricultureal labor. 1
  - A. A fall in the rate of profits.
  - B. A rise in the relative value of raw produce, compared with other domestic commodities.
  - C. An increasing money value of raw produce, compared with the prices of other countries.
- 5. There are three facts showing the increase of rents in England has proceeded from the increase of agriculture produce 2
  - A. There has been a spread of tillage, accompanied by a rise in the general rental of the country.
  - B. There has been a diminution of the proportion of the people employed in agriculture.
  - C. There has been a decrease in the landlord's proportion of the produce.
- 6. The labor fund may be divided into three comprehensive classes. \*
  - A. Revenues which are produced by the laborers who consume them, and never belong to any other persons.
  - B. Revenues belonging to classes distinct from the laborers, and expended by those classes in the direct maintenance of labor.

<sup>&</sup>lt;sup>1</sup> Distribution of Wealth, p. 241.

Distribution of Wealth, p. 264.

<sup>3</sup> A Syllabus of a Course of Lectures on the Wages of Labor to be Delivered at King's College, 1833.

- C. Capital in its limited and proper sense of stock or accumulated wealth employed with a view to profit.
- 7. Laboring cultivators may be divided into three groups:1
  - A. Hereditary Occupiers.
    - B. Proprietors.
    - C. Tenants.
- 8. Tenants may again be divided into three classes:
  - A. Serfs.
    - B. Métayers.
  - C. Cottiers.
- 9. There are three errors concerning the accumulation of capital or rate of profit in the Ricardian school of economics: 3
  - A. A mistaken notion that accumulation from profits must be slow where the rate of profits is low, and rapid where it is high.
  - B. A mistaken belief that profits are the only source of accumulation.
  - C. A mistaken belief that all the laborers of the earth subsist on the accumulations and savings from revenues, and never on the revenue itself.
- 10. There are three causes which determine the efficiency of labor: 4
  - A. The continuity with which it is applied.
  - B. The skill by which it is directed.
  - C. The power by which it is aided.

<sup>&</sup>lt;sup>1</sup> Syllabus, p. 46.

<sup>&</sup>lt;sup>2</sup> Syllabus, p. 48.

<sup>3</sup> Syllabus, p. 51.

<sup>4</sup> Literary Remains, pp. 9, 347, 189, 402.

- 11. The laborers of the world may be divided into three great, but unequal, classes. 1
  - A. Unhired laborers, who till the ground they occupy as peasant cultivators, and live on self-produced wages.
  - B. Paid dependents, who are paid out of the revenue or income of their employers.
  - C. Hired laborers, who are paid out of the capital of their employers.
- 12. There are three conditions governing the increase of auxiliary capital: 2
  - A. It must return its wear and tear with a profit.
  - B. It must appear in a new form.
  - C. It must make a better application of known forces.
- 13. There are three major problems in the discussion of population.
  - A. The causes which affect the progress of population generally.
  - B. The causes which affect the progress of the labor population in particular, and among these the influence on population of fluctuations in the rate of wages.
  - C. The causes, which, under different circumstances, determine who shall ultimately pay the taxes laid on commodities consumed by the laboring classes.

<sup>1</sup> Literary Remains, p. 13.

<sup>&</sup>lt;sup>2</sup> Literary Remains, p. 70.

<sup>\*</sup> Literary Remains, pp. 94, 471.

#### 154 RICHARD JONES — AN INSTITUTIONALIST

- 14. There are three conditions determining the peasant laborer's wages. 1
  - A. The size of his holding.
  - B. The fertility of the land.
  - C. The efficiency of his labor.
- 15. There are three causes which determining the accumulation of capital 2
  - A. The source from which capital is accumulated.
  - B. The causes determining the inclination to acumulate.
  - C. The conditions favorable or unfavorable to accumulation.
- 16. There are three obstacles in the promotion of social standings: 8
  - A. Distinction of blood and race.
  - B. Paucity of non-agricultural occupations.
  - C. Vicious legislation and regulations as to the privilege of carrying on these occupations.
- 17. To create new habits of consumption among a population put in possession of increasing means, three things must concur. 4
  - A. The people must acquire a knowledge of, and a familiarity with, a new list of commodities suited to their tastes.
  - B. These commodities must be presented to them at such reasonable price as to be within the reach of the successive additions to their means.
  - C. There must be no insuperable physical or moral obstacles, such as distances, roads, fiscal or other regulations, which throw difficulties in the way of their attaining these new commodities.

<sup>&</sup>lt;sup>1</sup> Literary Remains, pp. 124, 218,

<sup>&</sup>lt;sup>2</sup> Literary Remains, pp. 53, 316, 390.

<sup>3</sup> Literary Remains, p. 383.

Literary Remains, p. 480.

- 18. Jones suggested three propositions in connection with the commutation of tithes.
  - A. That commutation is desirable.
  - B. That the future payments, in lieu of tithes, shall be applied to the same purposes and paid to the same persons as the present tithe.
  - C. That the first step in the process shall be to transfer the liability for those future payments from the tenant to the landowner.
- 19. Jones mentioned three parties concerned with the commutation of tithes:<sup>2</sup>
  - A. The government, as representing the whole population and all the national interests.
  - B. The landowners.
  - C. The tithe owners.
- 20. Jones set forth three objects of the government in the commutation of tithes:
  - A. The setting of the capital and industry of the country completely free to extract the greatest possible amount of produce in the best manner from the soil.
  - B. The removing at the same time, of any obstacles created by the actual mode of collecting their revenues.
  - C. The efficiency of religious instruction,

Remarks on the Government Bill for the Commutation of Tithes, 1836.

<sup>\*</sup> Ibid.

<sup>\*</sup> Ibid.

#### APPENDIX B

# THE DIFFERENCES BETWEEN RICARDO AND JONES ON THE THEORY OF RENT.

#### **JONES**

- Rent proceeds from the employment of an additional quantity of capital and labor with an equal proportional return.
- Increase of produce and rise of rent.
- 3. Agricultural improvement beneficial to landlords.
- 4. The rise of rents is the creation of wealth.
- National produce increasing while rent rising.
- Inferior soils present a boundary to the rise of rent.
- To minimize the importance of the law of diminishing returns.
- The rise of rent is independent of the alteration in the relative fertility of the soils.
- The cultivation of poor soil is the consequence of the increased efficiency of capital which is the cause of the rise of rent.
- Rent rises as the fertility of soils increases.

#### RICARDO

- Rent invariably proceeds from the employment of additional quantity of labor and capital with a proportionally less return.
- Increase of produce and decrease of rent.
- Agricultural improvement detrimental to landlords.
- The rise of rents simply the transfer of wealth already in existence.
- National produce stationary while rent rising.
- 6. Inferior soils cause rise in rent.
- The law of diminishing returns is regarded as the foundation of the theory of rent.
- The rise of rent is due to the alteration in the relative fertility of the soils.
- The cultivation of poor soil is the consequence of the law of diminishing returns (in the old soil) which is the cause of rise in rent.
- Rent rises as the fertility of soils decrease.

#### **JONES**

- The interests of landlords not in opposition to that of other classes. Theory of social harmony.
- The increase of rent from the total quantity of produce, that is, the mass of rent.
- Emphasis upon the productive power of agriculture in the theory of rent.
- Rent as a surplus profit from capital investment.
- Using addition or multiplication to estimate the total quantity of rent, the mass.
- 16. Close relation between wages and rent in the peasant rent: one determines the other. But this relation ceases in the farmer rent.
- Emphasis on human institution. The origin of farmer rent due to the rise of capitalist class. Pecuniary interpretation.

#### **RICARDO**

- The interests of landlords always opposed to that of other classes. Theory of class struggle.
- 12. The increase of rent from the margin of different soils: the wider the margin the higher the rent.
- Emphasis upon the share in distribution in the theory of rent.
- 14. Rent as a differential return from cultivation.
- Using subtraction or division to calculate the rate of rent, the margin.
- Close relation between rent and profit, one rises as the other falls. Their movement tends in opposite directions.
- Emphasis on physical constituents of the soil. Physical interpretation,

#### BIBLIOGRAPHY

#### I. PRIMARY SOURCES

Jones, Richard, An Essay on the Distribution of Wealth and the Sources of Taxation, 1831. London, J. Murray, -, An Introductory Lecture on Political Economy, Delivered at King's College, London, 1833. —, Lectures on Capital and Labour. - Lectures on Population. -, "Primitive Economy in England," Edinburgh Review, 1847. - A Short Tract on Political Economy, Including Some Account of the Anglo-Indian Revenue System. -, Text Book of Lectures on Political Economy of Nations, Delioered at the East India College, Haileybury, in 1852. ----, Tract on the Incidence of Taxes on Commodities Consumed by the Labouring Class. (The above-mentioned seven lectures were collected in one book, entitled Literary Remains, edited by Whewell), 1859. London, ----, Syllabus of a Course of Lectures on the Wages of Labour, Proposed to be Delivered at the East India College. -, A Few Remarks on the Proposed Commutation of Tithes, with Suggestions of Some Additional Facilities, 1833. —, A Letter to Sir R. Peel. - An Essay on the Law of Bailments. - Observations on the English Tithe Bill, -, "Peasant's Rent" in Ashley's Economic Classics, 1895. New York and London, Macmillan & Co. Remarks on the Government Bill for the Commutation of Tithes, 1836. London. - Remarks on the Manner in Which Tithes Should Be Assessed to

#### II. SECONDARY SOURCES

#### A. Books:

Anderson, J., Enquiry into the Nature of Corn Laws, 1777. Annual Register, 1855, vol. 97.

the Poor's Rate, 1838. London, Shaw & Sons,

- Ashley, W. J., An Introduction to English Economic History and Theory. 4th edition, 1923, London, Longmans, Green & Co.
- Bagehot, W., Postulates of Political Economy In Economic Studies, 1880. London, Longmans, Green & Co.
- Bailey, S., A Critical Dissertation on Value, 1825. London, Hunter.
- Banfield, T. C., The Organization of Industry, 1844. London.
- Bastable, C. F., Theory of International Trade, 4th ed., Rev. 1903, Macmillan.
- Bonar, J., Malthus and His Work, 1924, N. Y., Macmillan.
- Boucke, O. F., The Development of Economics, 1750-1900-1921. N. Y. Macmillan & Co.
- Buckle, H. T., History of Civilisation, Vol. ii, 1868. D. Appleton & Co. Bygone Sussex, W. E. A. Alon, 1897. M. Bygone Series, vol. 27.
- Cairnes, J. E., The Character of Logical Method of Political Economy, 1875, Harper & Brothers.
- ----, Leading Principles of Political Economy. 1879. London, Macmillan & Co.
- Cannan, E., History of the Theories of Production and Distribution, 1924. P. S. King & Son, London.
- Cassel, G., The Theory of Social Economy, 1924. Harcourst, translated by McCabe.
- Cossa, L., An Introduction to the Study of Political Economy, 1893.

  Macmillan.
- Craig, J., Remarks on Some Fundamental Doctrines in Political Economy, 1821. London.
- Cunningham, W., The Growth of English Industry and Commerce.

  3 vol., 5th edition, 1912. London.
- Dictionary of National Biography, vol. 30. 1885. London, Elder, Smith & Co.
- Davenport, H. J., Value and Distribution, 1908. Chicago, University of Chicago Press.
- Edgeworth, F. Y., The Objects and Method of Political Economy, 1891. Edgeworth, M., Memoirs, 1820. London.
- Edie, L. D., Economic Principles and Problems, 1927. N. Y., Thomas Y. Crowell Co.
- Ely, R. T., "Land Economics," in Economic Essays in Honor of J. B. Clark, 1927. N. Y., Macmillan & Co.
- Fetter, F. A., Economic Principles, 1915. N. Y., Century Company. Gide, C. and Rist C., History of Economic Doctrines, 1915. N. Y., D. C. Heath & Co.
- Haney, L. H., History of Economic Thought, 1920. N. Y., Macmillan. Hare, A. J. C., The Life and Letters of Maria Edgeworth, 1895. Boston.

- Hollander, J. H., David Ricardo, 1910. Baltimore, Johns Hopkins Press.
  —, Ricardo's Notes on Malthus' Principles of Political Economy,
  Introduction, 1928. Baltimore, Johns Hopkins Press.
- Ingram, J. K., History of Political Economy, 1915. London.
- Jervons, W. S., Principles of Economics, 1905. N. Y. and London, Macmillan.
- ----, Principles of Science, 1874. London.
- ----, Theory of Political Economy, 1911. London, Macmillan.
- Johnson, A. S., Rent in Modern Economic Theory, 1903. N. Y., Columbia University.
- Keynes, J. N., Scope and Method of Political Economy, 4th edition, 1917, Macmillan.
- List, F., The National System of Political Economy, 1904. Longmans, Green & Co., London.
- Malthus, T. R., An Essay on the Principle of Population, 1890. London.

  —, An Inquiry into the Nature and Progress of Rent and the Principles by Which It Is Regulated, 1815. London, J. Murray.
- -, Principles of Political Economy, 1820. London, Murray.
- Marshall, A., Principles of Economics, 8th edition, Macmillan,
- Mayo-Smith, R., "Methods of Investigation in Political Economy," Science Economic Discussion, 1886.
- McCulloch, John R., Literature of Political Economy, 1845. London. Mill, J. S., Early Essays, 1897. London, Y. Bell & Sons.
- -, Logic, vol. ii.
- -, On the Definition of Political Economy, In the Essay on Some Unsettled Question, 1877. 3rd edition.
- ---, Principles of Political Economy, 1920. London, Longmans, Green & Co.
- Nicholson, J. S., Tenant's Gain Not Landlord's Loss, 1883. Edinburgh D. Douglas.
- Patten, S. N., The Premises of Political Economy, 1885.
- Patton, F. L., Diminishing Returns in Agriculture, 1926. N. Y., Columbia University.
- Price, L. L., A Short History of English Political Economy, 12th ed., Methuen & Co., 1924.
- Ricardo, D., Principles of Political Economy and Taxation, Gonner's Ed. 1908. London, George Bell & Sons.
- Rogers, J. E. T., Economic Interpretation of History, 1888. N. Y., Y. P. Putnam's Sous.
- -, Six Centures of Work and Wages, 1884. N. Y., Putnam's Sons. Roscher, W., Principles of Political Economy, 1878. N. Y., Holt (2 vols).
- Secrist, H., Introduction to Statistical Methods, 1925. N. Y., Macmillan,

- Seligman, E. R. A., Economic Interpretation of History, 1902. Columbia University Press.
- Essays in Economics, 1929, N. Y., Macmillan.
- ---, Principles of Economics, 10th edition, N. Y., Longman's, Green & Co.
- \_\_\_\_, The Shifting and Incidence of Taxation, 1910. Columbia University Press, 3rd edition.
- Sidgwick, H., Scope and Method of Political Economy, 1904. Macmillan.
- Taussig, F. W., Wages and Capital, 1896. N. Y., D. Appleton & Co. Thompson, T. P., The True Theory of Rent in Opposition to Ricarda and Others, 1826.
- Torrens, R., Essny on the Production of Wealth, 1821. London.
- Toynbee, A., Industrial Revolution, 5th edition, 1905.
- Tugwell, R. G., The Trend of Economics, 1924. N. Y., Knopf.
- Veblen, T., Theory of the Leisure Class, 1917. N. Y., Macmillan.
- —, "Peasant's Rent" is Ashley's Economic Classics, 1895. New York Ward, T. H., Men of the Reign, 1885. London, and N. Y., Routledge & Sons.
- Weber, M., General Economic History, translated by F. H. Knight, 1927.

  Greenberg.
- West, S. E., The Application of Capital and Labor to Land, 1815.
- Whewell, W., Writings and Letters, ed. by Todhunter. 2 vols., 1876. London.
- Young, A., Travels, vol. ii. 1793. Dublin.

#### B. Articles:

- Ashley, W. J., "The Enlargement of Economics," Economic Journal, vol. 18.
- -, "The Historical School of Political Economy." Dictionary of Political Economy, vol. ii.
- -, "On the Study of Economic History," Quarterly Journal of Economics, 1893.
- ---, "Place of Economic History in University Studies." Economic History Review, vol. i.
- Böhm-Bawerk, "The Historical vs. the Deductive Method in Political Economy." American Academy of Political and Social Science, Annals, 1890.
- Camp, W. R., "The Limitations of the Ricardian Theory of Rent."

  Political Science Quarterly, vol. 33.
- Cannan, E., "The Origin of the Law of Diminishing Returns." Economic Journal, 1892.

- Seligman, E. R. A., Economic Interpretation of History, 1902. Columbia University Press.
- Essays in Economics, 1929, N. Y., Macmillan.
- ---, Principles of Economics, 10th edition, N. Y., Longman's, Green & Co.
- ----, The Shifting and Incidence of Taxation, 1910. Columbia University Press, 3rd edition.
- Sidgwick, H., Scope and Method of Political Economy, 1904. Macmillan.
- Taussig, F. W., Wages and Capital, 1896. N. Y., D. Appleton & Co. Thompson, T. P., The True Theory of Rent in Opposition to Ricarda and Others, 1826.
- Torrens, R., Essay on the Production of Wealth, 1821, London.
- Toynbee, A., Industrial Revolution, 5th edition, 1905.
- Tugwell, R. G., The Trend of Economics, 1924. N. Y., Knopf.
- Veblen, T., Theory of the Leisure Class, 1917. N. Y., Macmillan.
- —, "Peasant's Rent" is Ashley's Economic Classics, 1895. New York Ward, T. H., Men of the Reign, 1885. London, and N. Y., Routledge & Sons.
- Weber, M., General Economic History, translated by F. H. Knight, 1927. Greenberg.
- West, S. E., The Application of Capital and Labor to Land, 1815.
- Whewell, W., Writings and Letters, ed. by Todhunter. 2 vols., 1876. London.
- Young, A., Travels, vol. ii. 1793. Dublin.

#### B. Articles:

- Ashley, W. J., "The Enlargement of Economics," *Economic Journal*, vol. 18.
- -, "The Historical School of Political Economy." Dictionary of Political Economy, vol. ii,
- ---, "On the Study of Economic History," Quarterly Journal of Economics, 1893.
- -, "Place of Economic History in University Studies." Economic History Review, vol. i.
- Böhm-Bawerk, "The Historical vs. the Deductive Method in Political Economy." American Academy of Political and Social Science, Annals, 1890.
- Camp, W. R., "The Limitations of the Ricardian Theory of Rent."

  Political Science Quarterly, vol. 32.
- Cannan, E., "The Origin of the Law of Diminishing Returns." Economic Journal, 1892.

- Carlton, F. T., "The Rent Concept, Narrowed and Broadened." Quarterly Journal of Economics, 1907.
- Clark, J. B., "Distribution as Determined by a Law of Rent." Quarterly Journal of Economics, 1890.
- Cohn, C. G., "A History of Political Economy." American Academy of Political and Social Science, Annals, 1894.
- Edgeworth, E. Y., "Richard Jones," Dictionary of Political Economy. vol. ii, p. 491.
- Edie, L. D., "Some Positive Contributions of the Institutional Concept."

  Quarterly Journal of Economics, 1927.
- Ely, R. T., "Land Income." Political Science Quarterly, 1928.
- -, "Landed Property." American Economic Review, 1917.
- Fetter, F. A., "Price Economics vs. Welfare Economics." American

  Economic Review, 1920.
- Froment, P., "The Law of Non-proportional Returns; Its Evolution and Improvements." Review of Political Economy, 1928.
- Gentlemen's Magasine, March 1855.
- Giddings, F. H., "The Sociological Character of Political Economy."

  American Economic Association Publication, 1888.
- Gonner, E. C. K., "Ricardo and His Critics." Quarterly Journal of Economics, 1889.
- Gras, N. S. B., "The Rise and Development of Economic History."

  American History Review, vol. i.
- Hamilton, W. H., "The Institutional Approach to Economic Theory."

  American Economic Review, 1918.
- Hayes, H. G., "Land Rent and the Price of Commodities." American Economic Review, 1927.
- Hobson, J. A., "The Law of Three Rents." Quarterly Journal of Economics, 1890.
- Hollander, J. H., "The Present State of the Theory of Distribution."

  American Economic Association Publication, 1906.
- Hoxie, R. F., "The Historical Method vs. Historical Nerrative." Journal of Political Economy, vol. 14.
- Ingram, J. K., Presidential Address: Journal of the Statistical Society, 1878.
- Jevous, W. S., "The Future of Political Economy." Fortnightly Review, 1878.
- Leslie, T. E. C., "Economic Science and Statistics." Athenaeum, 1873.

  ——, "The Known and the Unknown in the Economic World." Fortnightly Review, 1879.
- ...., "On the Philosophical Method of Political Economy." Hermathena, 1876.
- , "Political Economy and Sociology." Fortnightly Review.

- Loos, J. A., "The Historical Approach to Economics," American Ecoconomic Review, 1918.
- Mackenzie, J. S., "Historical Method." Dictionary of Political Economy, vol. ii.
- Marshall, A., "On Rent." Economic Journal, vol. iii.
- —, "The Old Generation of Economists and the New." Quarterly Journal of Economics, 1897.
- McCulloch, J., "Jones' Distribution of Wealth." Edinburgh Review, 1831.
- Mitchell, W. C., "Quantative Analysis in Economic Theory." American Economic Review, 1925.
- Nicholsen, J. S., "The Accumulation of Capital." Dictionary of Political Economy, vol. i.
- —, "The Balance of Trade." Dictionary of Political Economy, vol. i. Patten, S. N., "The Making of Economic Literature." Economic Bulletin, vol. i.
- Price, L. L., "Some Aspects of the Theory of Rent." Economic Journal, vol. i.
- -, "The Study of Economic History." Economic Journal, vol. 16.
- Seligman, E. R. A., "On Some Neglected English Economists," Economic Journal, 1903.
- Sommer, L., "Theoretical and Historical Methods in Economics." Schmoller's Jahrbuch, August, 1928.
- Taussig, F. W., "Exhaustion of the Soil and the Theory of Rent."

  Quarterly Journal of Economics, vol. 31.
- Turner, J. R., "Henry C. Carey's Attitude toward the Ricardian Theory of Rent." Quarterly Journal of Economics, vol. 26.
- Veblen, T., "The Preconception of Economic Science." Quarterly Journal of Economics, 1899.
- ----, Why is Economics Not an Evolutionary Science?" Quarterly Journal of Economics, vol. 12"
- Viner, J., "Some Problems of Logical Method in Political Economy."

  Journal of Political Economy, 1917.
- Wagner, A., "On the Present State of Political Economy." Quarterly Journal of Economics, vol. i.
- Young, A. A., "Economics as a Field of Research." Quarterly Journal of Economics, 1927.
- "English Political Economy." Economica, March, 1928.

# INDEX

Accumulation of capital, 50, 114, 118, 120. Agricultural Improvements, 47, 84; agricultural problems, 37. Appropriation of soil, 60. 46: calculations Arithmetical Arithmetic ratio, 107, 108. Ashley, Sir W., 142 Auxiliary capital, 51, 89, 102, 122-126. Average returns, 77.

Babbage, C., 36. Bailey, S., 94. Balance of bargain system, 55, 127. Balance of trade system, 19, 131. Banfield, T. E., 105. Bastiat, F., 46. Bentham, J., 34. Business cycles, 14,

Cannan, Edwin, 142, 139. Capitalar commission, 43. Capitalist system, 101. Capital, function of, 115, 112; source of, 115; accumulaton of, 114, 118, 120. Carey, H. C., 46. Carlyle, T., 55. Cassel, G., 87. Charity commission, 43. Circulating capital, 51, 114. Clark, J. B., 94. Class struggle, theory of, 70. Classification, 30; of laborers, 97. Classical political economy, 32. Classical school, 11, 18, 24, 34, 108, 139. Classical theory of distribution, 59. Commutation of tithes, 30, 42, 127, 135, 148, Comparison, method of, 20. Constitutional legislation, 57. Constructive plan, 128, Consumption, habits of, 74; mode | Economic organization, 14, 17, 54.

of, 74; theory of, 74, 107. Control, problem of, 14. Copyhold commission, 43. Corn laws, 135, 136. Cosmopolitanism, 24. Cossa, L., 144. Cottier rents, 61, 67. Craft, 15. Craig, J., 94. Cumulative changes of institutions, 16, 31, 35, 55.

Deductive method, 20, De Quincey, 33. Differential rent, 61, 91, 92. Diffusion theory of taxation, 134. Diminishing returns, law of, 71. 74, 77, 78, 82, 92, 113. Direct taxes, 134. Dismal system, 55. Distribution, law of, 18; theory of, 48; distributive institutions, 48.

Economic anatomy, 23. Economic conformation, 56. Economic custom, 19. Economic doctrine, 24, 25, 38; Relativity of, 91. Economic equilibrium, 11, 31. Economic experience, 18. Economic habits, 19, 54, 57. Economic harmony, 46, 82, 84. Economic illusion, 150. Economic imperialism, 128. Economic institutions, 12, 14, 19, 30, 50, 57, 58, 59, 68, 95, 132, 139, 148, Economic interest, conflict of, 47. Economic interpretation of history, 55, 57. Economic interpretation of politics, 56. Economic machinery, 121. Economic motives, 19.

166 INDEX

Economic tradition, 19.
Economic wants, 23.
Economic waste, 15.
Economic welfare, 45.
Edgeworth, F. Y., 141.
Edgeworth, Miss Maria, 39.
Empirical laws, 29.
Entreprensurial returns, 79,

Farmer's reat, 49, 69.
Fawcett, H., 145.
Fertility of soil, 65.
Fetter, F. A., 77, 78.
Fixed capital, 114.
Foreign bills of exchange, 130.
Foreign loans, 121.
Foreign trade, 15, 132.
Free competition, 25, 34, 35.
Free enterprises, 34.

Geometrical ratio, 107, 108, German historical school, the, 23. Guild merchant, 15.

Hereditary occupiers, 98.
Herschel, J., 36.
Hired laborers, 97, 100.
Historical diminishing returns, 28, 79.
Historical method, 22, 23, 26, 27.
Host, 131.
Human Behavior, 12, 13, 18, 30.
Human Nature, 14, 26, 30, 34, 35.
45.

Indirect taxes, 134.
Individualism, doctrine of, 15, 16, 34.
Individual ownership, 25.
Inductive method, 20, 21.
Inflation, problem of, 15.
Ingram, J. K., 141.
Institutional economics, 12, 14-18, 127, 149.
Iron law of wages, 108.

Jevons, W. S., 149, 141, Joint ownership, 25, Just price, 15.

Keynes, J. N., 143. King's exchangers, the, 129, 130.

Labor, efficiency of, 52.

system, 68. Legal theory of money, 130. List, F., 24. Marginal rent, 61, 62, Malthus, T. R., 28, 29, 47, 81-83, 107. Marshall, Alfred, 88, 142, 143. Martinean, H., 32. Marx, Karl, 48. McCulloch, J. R., 32, 33, 139, 140. Means of maintenance, 104. Means of subsistence, 104 Mechanical advantage, 53. Mediaeval economy, 25. Mercantilism 11, 127. Merchant adventurers, 131, Métayer rent, 61, 63-65. Métayer system, 25. Mill, James, 33. Mill, J. S., 61, 94, 140, 145,

Land tax, 67; land tenure, 51, 68;

Labor rent, 61, 63.

Minimum wage, 98.
Mitchell, W. C., 144.
Mixed taxes, 134.
Money economy, 14; money rent, 63.
Moral sestraint, 104.
Mortality, 103.
Motive forces, 53.

National anatomy, 55. Native capacities, 13. Nicholson, J. S., 139, 144. Non-Agricultural class, 62.

Mun, Thomas, 132.

Orthodex political economy, 35.

Paid dependents, 97, 160.
Par of exchange, 130.
Peacock, G., 36.
Peasant proprietors, 61, 145.
Peasant rent, 63.
Peasant tenantry, 68.
Philosophical historian, 23.
Philosophical radicalism, 34.
Political economy club, 32, 33.
Political philosophy, 39.
Population, theory of, 102, 133, 134, 139.
Preventive plan, 128.

Price equation, 82.
Price levels, 17.
Pilgrim's bill, 131.
Preconception, 34.
Primary rent, 60.
Primary wants, 105.
Profit, theory of, 50, 58, 114, 115, 126, 139.
Profit motive, 97.
Profitableness, margin of, 21.
Profit, mass of, 117, rate of, 80, 114, 117.
Production, theory of, 51, 57.
Productive power, 48.
Productive theory of interest, 126.
Proportion, Principle of, 21, 38, 94.

Qualitative variations, 17. Quantative variations, 17.

Rent, theory of, 19, 58, 59, 68, 91, 94, 139.
Restriction, system of, 15.
Ricardian doctrine of distribution, 58.
Ricardian school, the, 18, 33, 57, 96.
Ricardian theory of rent, 25, 59, 65, 68, 69, 71, 74.
Ricardo, D., 32, 34, 71, 77, 79, 80-82, 87, 91, 93.
Rogers, J. E. T., 84
Roscher, W., 23.
Ryot rent, 61, 66, 67.

Scarcity, principle of, 94.
Soarcity rent, 91, 92.
Secondary wants, doctrine of, 47, 104, 106, 107, 109.
Secular returns, 79.
Seligman, E. R. A., 18, 77, 78, 144.
Senior, N., 39.
Service rent, 61.

Serviceable goods, 51.
Single land tax, 132.
Single system of taxation, 132.
Smith, Adam, 46, 51, 52, 69, 75, 128, 132.
Social conformation, 48.
Social institutions, 17, 45.
Staple towns, 128.
State tenantry, 61
Statistical method, 28, 31.
Statistical society, 27, 28.
Statutes of employment, 129, 134.
Substitution, principle of, 94.
Superiority of soil, 60.
Supporting capital, 122, 123.
Surplus profits, 69, 70, 87, 132.

Taussig, F. W., 143
Tax on profit, 133; on wages, 133.
Taxation, theory of, 127.
Technical diminishing returns, 78, 79.
Technology, 53.
Tithe commissioner, 42.
Thompson, T. P., 145.
Torrens, R., 33.

Unhired laborers, 97, 100. Utility,the creation of, 54. Utilitarian philosophy, the, 34

Total returns, 77,

Toynbee, A., 142.

Value, labor theory of, 50. Veblen, T., 107. Voluntary restraint, 104.

Wage fund, 99, 100. Wage-fund doctrine, 97. Wage, problem of, 50; rate of, 80, 98, 123, 134; theory of, 58, 96, 97, 113, 139. Whewell, W., 36, 140, 145.

#### VITA

The author of this dissertation was born in Hangchow, China, on February 26, 1896. He received his early education from a private tutor under the old Chinese educational system. He taught Chinese literature in the Peking Anhwei Academy from 1918 to 1920 and was employed as a compiler in the National Bureau of Historical Research in Peking from 1920 to 1922 while he was attending the Peking National Government University. He received the B.A. degree in the above mentioned university in 1922. He taught economics in the Min-Kuo University, Peking from 1922 to 1923. He came to the United States in 1923 and received the degree of M.A. in Columbia University in 1924. From 1925 to 1929 he has been studying in the same institution and attending the seminar conducted by Professors, Seligman, Seager, Mitchell and Simkhovitch.