

# PREFACE TO THE THIRD EDITION.

ALTERATIONS in this edition are confined to balf-a-dozen small corrections, none of them affecting the substance, which escaped being made when the second edition was prepared, and the addition at p. 408 of a table designed for the assistance of any critical reader who desires to pursue a quotation from Adam Smith in my own edition of the Wealth of Nations published in 1904 rather than in MoCulloch's edition. In present circumstances it is hoped that such a reader will be content to accept this expedient instead of the more obvious but costly plan of altering the one hundred and sixty references in footnotes which occur on seventy-five pages.

If any time were suitable for bringing out a thoroughly revised version of the book it would not be the middle of 1917. But even if the practical difficulties caused by the war were removed, I think it would be undesirable to attempt such a revision. Twenty-four years is a long time in the life of a man, and I no longer feel any acute sense of identity with the rather youthful author who published in 1893. For me to add here, to omit there, and to alter somewhere else, all from the point of view of 1917, would most probably have the

#### PREFACE

unsatisfactory results which usually follow an attempt to improve work done by another man at a much earlier date.

I hope, however, that within the next few years I may be able to supplement the present work by the production of an independent book in which the period 1776-1848 may be put in its proper relation both with what preceded it and with what followed it.

LONDON SCHOOL OF ECONOMICS, July 9, 1917.

₩i

# PREFACE TO THE SECOND EDITION.

THE history of the theories dealt with in this book has not been much affected by the researches of the last ten years. The publication of the student's notes of Adam<sup>3</sup> Smith's lectures and Dr. W. R. Scott's study of the philosophy of Francis Hutcheson, have indeed thrown much additional light upon the origin of the *Wealth of Nations*, but that subject lies outside the limits laid down, and can be conveniently treated by itself. The new information contradicts nothing in the present work, and confirms the conjecture of Chapter VI. § 1, as to the manner in which the Smithian scheme of Distribution was evolved.

Certain critics of the first edition complained of its tone, but I have great hope that what appeared to be ill-tempered blasphemy in 1893 will now be seen to be the calm statement of undoubted fact. No suggestion of actual misrepresentation or mistake in the history has reached me. Substantial changes therefore do not appear to be called for, and my experience in collating different editions of some of the greatest economic works does not incline me to regard extensive changes of an unimportant character with favour. Such changes generally add unnecessarily to the bulk of a book, almost always destroy its consistency, and invariably confuse and annoy the serious student. I have consequently resisted all temptations

#### PREFACE

to strengthen or modify arguments, and to add new quotations.

The only changes in the text are the correction of a few misprints and grammatical blunders, the conversion of 'Mr. Giffen' into 'Sir Robert Giffen,' and the modification of one or two references to time which might have been confusing to the readers of a book dated 1903. In the references in the footnotes several alterations have been made necessary by the reprinting of Ricardo's letters to the *Morning Chronicle*, and by Professor Marshall's revision of successive editions of the first volume of his *Principles*; it has also been made clear that the tripartite division of Say's *Traité* occurs first in his second edition.

But while thus confining the alterations within the narrowest possible limits, I have not thought myself precluded from adding at the end of the last chapter two entirely new sections, in which I have attempted to indicate the relation of the theories of to-day to those of the period under review, and to show that the old theories have been replaced by others stronger from a scientific point of view, and equally suitable for the practical needs of their own time.

LONDON SCHOOL OF Есономіся, June, 1903.

viii .

# PREFACE TO THE FIRST EDITION.

As no one any longer believes that political economy was invented by Adam Smith and perfected by John Stuart Mill, it has become necessary almost to apologise for taking the dates of the publication of the Wealth of Nations and Mill's *Principles of Political Economy* for the limits of a history of a portion of economic theory.

I have chosen to begin with 1776 because what may be called the framework of the theories of Production and Distribution which have been taught in English economic works for the last hundred years, appears to owe its origin entirely to that peculiar combination of indigenous economics with the system of Quesnay which is to be found in the *Wealth* of Nations. I have ended with 1848 because it is yet too early to treat in an historical spirit the twenty-five years which have elapsed since 1868, and the period of stagnation which followed the publication of Mill's work is not a profitable subject of study except in connexion with the outburst of new ideas which ended it.

I have been able to obtain surprisingly little assistance from previous writers. Sir Travers Twiss' View of the Progress of Political Economy is forty-six years old. Professor Ingram's History of Political Economy, and Mr. Price's Short History of Political Economy in England from Adam Smith to Arnold Toynbes are both-excellent, but the present work is so much more detailed within its own limits that

#### PREFACE

opportunities for making use of them scarcely occurred. Much the same may be said of M. Block's *Progrès de la Science Économique* and some other histories. Of more service was the First Part of Dr. Eugen von Böhm-Bawerk's *Kapital und Kapitalzins*, perhaps the most brilliant work extant on the history of any part of economic theory. To the valuable fragment which Adolf Held left behind him, when, by the fatality which hung over the economists of the last generation, he was cut off in his prime, Zwei Bücher zur socialen Geschichte Englands, I am indebted for first making me aware of that close connexion between the economics and the politics of the Ricardian period which provides the key to many riddles.

In the ordinary critical and constructive books on political economy there are frequent statements respecting the history of economic doctrines. But these statements are seldom of much value to the historian. They are often based on inaccurate quotations from memory, and the reader is scarcely ever given the references which would enable him to check them. So far as they relate to the early nineteenth century period they are especially unsatisfactory and untrustworthy. It has been constantly supposed that 'abstract theory' must be defended at almost any cost against the attacks of the 'historical school,' and the result has been the creation of a mythical Ricardo and Malthus, who never wrote anything which cannot be 'limited and explained' till it ceases to be in conflict either with recognised fact or accepted modern, opinion. With such idealisation I have no sympathy, and I fear I shall disappoint any one who expects me to hold up a few chosen economists as exempt from human error, and to exhibit all their opponents as persons of feeble intellect, who entirely failed to understand then. It is no part of my i

#### PREFACE

plan to recommend any particular method of economic inquiry, or to praise or decry any particular authors. My object is simply to show what the various theories concerning production and distribution were, and to explain how and why they grew up, and then either flourished or decayed.

To all my quotations I have given exact references. The pages of the *Wealth of Nations* referred to are those of M'Culloch's edition in one volume, which has been very irequently reprinted with the same paging. As there is no even tolerably good edition, I have thought it best to refer to that of which most copies are in existence. In a couple of cases where I have detected small inaccuracies in the text I have restored the true reading. Where any doubt arises as to the name or date of any other book referred to, it will be resolved by looking out the author's name in the index. In quotations I have often taken the liberty of omitting a word such as 'then' or 'therefore,' when it occurs near the beginning, and merely connects the proposition with unquoted matter which precedes it. With this exception they will always, I hope, be found to be identical with the original.

Oxrono, April 1898.

- xi

# ٨

# HISTORY OF THE THEORIES

0F

# PRODUCTION AND DISTRIBUTION

# IN ENGLISH POLITICAL ECONOMY

### FROM 1776 TO 1848.

BY

# EDWIN CANNAN, M.A., LL.D.,

BOFRIOR OF FOLITICAL ROOVONY IN THE UNIVERSITY OF LOWDON.

189 2

#### THIRD EDITION.

8

#### LONDON:

P. S. KING & SON, LTD. OBOHARD HOUSE, WESTMINSTER. 1924.

5197 :2 3 -4 First Edition 1893 ••• ... ••• Second Edition 1903 ... ••• ... ... ••• Third Edition 1917 ••• ••• ••• ••• ••• Reprinted 1920 ... ••• ... ... ••• Ditto 1922 ••• ••• ••• ... • • • • • Ditto 1924 ... ... ••• ••• ...

PRINTED IN GREAT METTALN BY THE WEITEFRIARS PRESS, LTD., LONDON AND TONERIDOR.

# CONTENTS

### **OHAPTER L**

#### THE WEALTH OF A NATION.

§ 1. Originally a State or Condition,	•	. •.		1
2. Supposed identification with Gold and Silver,	· •		•	2
3. Restriction to Objects with Exchange Value,			· •	5
4. The Nation a Collection of Individuals, .	•			10
5. Aggregate and Average Wealth,	· .		•	11
6. Capital Wealth and Income Wealth.				14
7. Restriction to Material Objects,	•	•		18

#### CHAPTER II,

## THE IDEA OF PRODUCTION .-

§ 1. Production as a Division of Political Ecohomy,			•	32
2. General Conception of the Theory of Production,	• •	. •		35
3. The Three Requisites of Production,	•	•	•	40

#### CHAPTER IIL

#### THE FIRST REQUISITE OF PRODUCTION-LABOUR.

§ 1. The Requisiteness of Labour,	 •	•			48
0 Mb - Des la stiere car of Talance			1 A 1	1 CMA	
2. The Productiveness of Labour,			•		43
,					

### CHAPTER IV.

THE SECOND REQUISITE OF PRODUCTION-OAPITAL

§ 1. The Word, .			•	•	· .			53
_ Adam Smith on	the	Nature	and O	rigin of	i the	Capital	of a	
Community,	•	· •	•	•	•	•	· •	- 46

. .

#### CONTENTS

xiv	CONTENTS	
	Adam Smith on the Functions of the Capital of a Community, 7 Adam Smith's successors on the Nature and Origin of the Capital	9
_		19
Ð.	Adam Smith's successors on the Functions of the Capital of - Community,	77
	CHAPTER V.	
	THE THIRD REQUISITE OF PRODUCTION-LAND.	
§ 1.	Land in General and Amount of Land per capita,	3
	Eighteenth-Century Views of Population,	4
3.	Malthus's Easay on the Principle of Population,	0
4.	Origin of the Theory that Increasing Density of Population is	
	connected with Diminishing Returns to industry, 14	7
5.	Later History of the Theory that Increasing Density of Popula-	
	tion is connected with Diminishing Returns to industry, . 16	8
	CHAPTER VL	
	THE IDEA OF DISTRIBUTION.	
<b>§ 1.</b>	Early History of the Term, and its Identification with Division	

into Wages, Profit, and Rent, .		•			183
2. The Meaning of Wages, Profit, and Rent,		•		•	189
3. The Origin and Cause of Wages,		•	•		199
4. The Origin and Cause of Profit, .					200
5. The Origin and Cause of Rent, .	•	•	•	•	216

CHAPTER VIL

÷

PSEUDO-DISTRIBUTION.

\$1. Wages per head, Profits per cent	, and	Rent per	r sore,	•		229
2. Variations of Wages per head,			,		•	231
3. Variations of Profits per cent,	. •	•	•			276
* Variations of Rent per acre,	•	•	•	•	•	810

CHAPTER VIIL

DISTRIBUTION PROPER.

11. Division of the whole Produce between	Aggregate	Wages,	
Aggregate Profits, and Aggregate Rents,			<b>339</b>
2. Distribution of Wages among Workers, .	•		359
3. Distribution of Profits among Capitalists, .	:		366
4. Distribution of Rents among Landlords, .	•	• •'	369

#### CONTENTS

# CHAPTER IX.

#### GENERAL REVIEW ; POLITICS AND ECONOMICS.

6 L	. Unsatisfs tribu	ictory tion re											-	79
2	Practical and t	Chara their u											-	
•	' Com	Laws											. 3	88
3	Useless	ess of	the	The	ries	of P	rodu	ictio	пал	d Di	stribut	ion i	в	-
	rega	nd to C	ambi	inati	-	nd So	cializ	m,	•		,		. 3	92
<b>⊲</b> 4.	Changes i	in the '	Theor	rica s	ince	1848	•	•	•				. 8	95
J 5.	. Veefulnee	a of th	e Ex	istin	g Th	eories	۰ <b>,</b> ۰		•	•	•		• _4	01
C	ONVERSION	TABL	6 OF	Rev	BR R.	(OBS	•	•	•	•	•	•	. 4	108
h	TDEX .			•	•	•	•	·		•	•		. 4	<b>109</b>

XV

- ANDERSON, Adam, An historical and chronological deduction of the Origin of
- Commerce, Aca, continued by W. Combe, 4 vola, 1787-189. See Botero. Anderson, James, Observations on the means of exciting a spirit of National Industry ; shirfly intended to promote the agrirulture, commerce, manu-factures and faheries of Scoland, Edinburgh, 1777, rent a premium paid for the privilege of oultivating the more fortile soils, 2205 ; Adam Smith likely to have seen this passage, 221.
- An Enquiry into the nature of the Corn Laws, with a view to the new Corn Bill proposed for Scotland, Edinburgh, 1777, example of cost of raising oatmeal from soils of different fertility, and the consequent rent, 220, 371-2; resultant formula for rent, 373; tells nothing about the rent of an acre of land, ib.
- Period an acts of an acts of an articlere, Natural History, Arts, and Miscellaneous Literature, 6 vols., 1799-1802, produce may always be increased so as to keep pace with population, 145; rent a simple and ingenious contrivance for equalising profits made on lands of different fertility, 221.
- A calm invariant of the circumstances that have the to the present Scarcity of Grain in Britain, suggesting the means of alleviating the evil and of preventing the scarrence of such a calcunding in the future, 1801, every increase of population tonds to increase relative plenty, 146. wood, Matthias, M.P. for Callington, speech in Hansard, orticising
- Attwood, Ricardo, and maintaining that returns to agricultural industry increase, 167.
- BABBAGE, Charles, On the Economy of Machinery and Manufactures, 1832, division of labour allows each kind to be allotted to the individuals best naturally fitted for it, 49-50; productiveness of industry increased by
- Barton, John, Observations on the circumstances which influence the condition of the Labouring Classes of Society, 1817, amount of employment depends on circulating capital only, 114-15; Malthus's reply, 259. Bentham, Jeremy, A Manual of Political Economy (Works, ed. Bowring, 1843, vol. iii.), wealth (aggregate), distinguished from opulence or per matter to the society of the capita wealth, 12.

- Bible, Authorized Version of the, wealth in the sense of welfare, 1.
   Bible, Diversed Version of the, wealth in the sense of welfare, 1.
   Bible, Bawerk, Dr. Eugen von, Kapital und Kapitaline, Erste Abtheilung: Kapitaline. Theorie 1884 (translated by W. Smart, Oapital and Interest: a critical history of economical theory, 1890), profit an addition to the price of the product according to Adam Smith, 202; depreciation forgotten by Lauderdale, 204 n. ; misleading distinction between repairs and renewals, io.
- Bailean, D., An introduction to the study of Political Economy or elementary view of the manner in which the wealth of nations is produced, increased, distributed, and consumed, 1811, divisions of political economy, 33; three requisites of production, 40-1; use of the term distribution, 183; no hostile criticism of Adam Smith on rent, 312.
- Bonar, James, Malthus and his Work, 1885, Malthus's discussions with his father, 131 ; his travels, 133 ; his correspondence with Senior, 170 m.

409

Botero, Giovanni, A Treatise concerning the causes of the magnificencie and greatnes of Cities . . . done into inglish by R. Peterson, 1806, enumera-tion of checks on population quoted in Anderson's Commerce, 125-8. British Merchant, 1721. See Janssen.

- Buchanan, David, An Inquiry into the nature and causes of the Wealth of Nations, by Adam Smith, in three volumes, with notes and an additional volume (entitled Observations on the subjects treated of in Dr. Smith's Inquiry), 1814, poverty of China, 12 n. ; reason why landlords reap where they never sowed, 221-2; rent the result of monopoly, and as injurious to the payers as advantageous to the receivers, 222; wages regulated by the propagating habits of the labourers, 240-1; wages do not vary with the price of provisions, 254-5; criticism of Adam Smith as to rent, 312.
- CANTILLON, Philip, Analysis of Trade, 1759, 'the capital of our merchants,' 55 n.
- Cantillon, Richard, Essai sur la nature du Commerce en général, 1755, reprinted, Boston, 1892, phrase for wealth like that afterwards used by Adam
- Smith, 19; capital and capitanz used indifferently, 55 m.; question whether a small rich population is not to be preferred to a large poor one, 125.
- Carey, H. C., Principles of Political Economy, Philadelphia, Part I., 1837; Part II., 1838; Part III., 1840; increases of population favourable to productiveness of industry, 1/3/; statistics quoted from Eden to prove it, 174-5,
- Principles of Social Science, Philadelphia, 1858, theory that cultivation begins with infertile lands criticised by J. S. Mill, 177 n., 178-9.
- Chalmers, George, Estimate of the Comparative Strength of Great Britain, and of the losses of her trade from every war since the Revolution, new edition, 1802, contains Gregory King's Natural and Political Observa-
- Colution, 1802, contains Gregory Ling & Arasses was a variable over the tions, 14 m. Chalmers, Dr. Thomas, On Political Economy in connection with the Moral State and Moral Prospects of Society, Glasgow, 1832, New York, 1833, diminishing returns not a general rule, nor proved by descent to infertor soils, 172.3, quoted by J. S. Mill, 305. Child, Sir Josish, A New Discourse of Trade, 2d ed., 1694 (1st ed. entitled A Discourse about Trade, 1690), gain of foreign trade consists in addition
- to treasure, 3 n.
- Colquhoun, Patrick, Treatise on the Wealth, Power and Resources of the British Empire, 1814, 2d ed., 1815, existing property, the wealth of the second training training property.
- the country, 16. Condorcet, M. J. A. N. C., Marguis de, Esquisse d'un tableau historique des progres de l'esprit humain, 1794, argued against by Malthus, 131. Corn Trade and Corn Lauss. See Parliamentary Papers and Statutes.

- DAFFORNE, Richard, The Merchant's Mirrow ; or, Directions for the perfect ordering and keeping of his accounts, 1635, the word capital used as a substantive, 54 n.
- Davenant, Dr. Charles, Essay on the East India Trade, 1696, uselesmens of
- Easy upon the probable methods of making a people gainers in the Balance of Frade, 1699, contains Gregory King's table of the income and expense of England, 14 m.
- Demand and the necessity of Consumption, An Inquiry into those principles respecting the nature of lately advocated by Mr. Malthus, 1821, aggrerespecting the name of the product of the second respective second average wealth distinguished, 13 s.; wealth of a country, its income, 18 s.; Malthus wrote his pamphies on East in answer to the erry of 'No Landords, 223 s. Dyche (T.) and Pardon (W.), New General English Dictionary, 1735, 'wealth' means riches, whether money, sheep, etc., 2; 'capital,' an
- adjective, and applied to the stock of trading companies, 55.

- Economic Journal, March 1892, contains a portion of ch. v. § 4, 147 m. Economic Review, January 1892, contains part of ch. v. § 8, in an article on 'The Malthusian Anti-Socialist Argument,' 130 m. Bden, Sir Frederick Morton, State of the Poor, or History of the Labouring Classes in England from the Conquest, 1797, statistics quoted by Carey to show that sature is a smighting house house not divisible J745 to show that returns to agricultural labour have not diminished, 174-5.
- Edinburgh Review, July 1804, if one commodity rises in value others fall, 6; distinction between productive and unproductive rejected, 25-6; distinction between capital and reserve for consumption rejected, 89-90; use of capital to enable labour to be divided, 109-10.
- Ellia, William, review of the Effect of the Employment of Machinery, etc., upon the Hoppinese of the Working Classes, London, 1824, in the West-minster Review, for January 1826, releared to by Mill, 305.

Enclosure Acts. See Parliamentary Papers.

- Encyclopædia Britannica, 4th ed., vol. xvil. 1810, Art. Political Heenomy, scarcity necessary to make an article wealth, 6; productive and unproductive labour, 26; divisions of political economy, 33; wealth divided into capital and income, 91; divisions of chapter on production and dis-tribution, 188; no hostile criticism of Adam Smith on rent, 312. Supplement, 1823. See M Culloch.
- FRANKLIN, Benjamin, On the Labouring Poor, 1768, in Memoire, 1833, vol. vi., thinks of a circulation, not of a production of wealth, 36 s.
- GAENTER, Germain, Recherches sur la nature et les causes de la richesse des nations par Adam Smith ; traduction nouvells avec des notes et observa-tions 1802, distinction between productive aud unproductive labour rejected, 25.
- Gee, Joshua, Trade and Navigation considered, 1729, export of gold and silver makes a country poorer, 2 n. ; numbers of people the riches of a state, 124.
- Gentleman's Magazine, 1816, biography of Joseph Townsend, 130 n.
- Giffen, Robert, Growth of Capital, 1889, summary of Andrew Hooke's conclusions, 4 results of Costad, 1635, summary of Antrew Hooks sour-clusions, 4 m; capital in title corresponds with eanse given to 'wealth' by Petty, 14; no produce of unproductive labour included in capital, 22-3; capital includes the whole stock of wealth, 64. "The Gross and Net Gain of Rising Wages in the Contemporary Review,
  - December 1889, deductions from gross wages for ground rent, 190 m.
- Godwin, William, An Enquiry concerning Political Justice and its influence on general virtue and happines, 1793, wealth of a state the aggregate of incomes, 17; provides Malthus with the phrase, 'principle of population,' 134-5.
- The Enquirer: Reflections on Education, Mannere, and Literature, in a series of Essays, 1797, argued against by Malthus, 131. Thoughts occasioned by the perusal of Dr. Paris Spital Sermon, 1801,
- evil of large family comes coarsely home to each man's individual interest, 132-3.
- Goldsmith, Oliver, Vicar of Wakefield, 1766, father of large family does more service than the bachelor who talks of population, 124,
- HALL, George Webb, Letters on the importance of encouraging the growth of Corn and Wool in the United Kingdom, 1815, rents as sacred as the Funds, 320.
- Hansard, Parliamentary Debates, Report of Corn Trade Committee of 1813 reprinted, 151 a., necessity of maintaining high prices in order to secure Tepinics, 101 w, accessivy or maintaining in prices in other to sective low prices, 161; basis of import price proposed by Com Trade Committee of 1813 for the year, 161 m.; sliding scale proposals, 1813-18, 164. — See Attwood, Parnell, Pitt, Ricardo, Whitbread. Hooke, Andrew, An Essay on the National Dobt and National Capital; or, the Account truty scaled, Debtor and Creation, 1750, national wealth

measured by quantity of coin in circulation, 4 n. ; whole stock of wealth included in capital, 64.

- Hume, David, Essays, Moral, Political, and Literary, Part II., 1752 (repub. in Essays and Treatises on several Subjects, 1753-4), unproductiveness of lawyers and physicians, 23 n.; everything purchased by labour, 43; everything useful arises from the ground, 123; happiness and populousness necessary attendants, 124.
- INGRAM. John Kells, A History of Political Economy, 1888, probability that Adam Smith was acquainted with Anderson's views on rent. 221.
- JACOB, William, Considerations on the Protection required by British Agriculture, and on the Influence of the Price of Corn on Exportable Productions,

Janssen, Sir Theodore, General Maxims in Trade, 1713 (reprinted in the British Merchant, 1721), import of necessaries cannot be esteemed bad, 3, note 2.

- Jevons, William Stanley, The Theory of Political Economy, 1871. 2d ed. 1879, wage-fund theory an arithmetical truism, 271 a.; final utility, 896.
- Johnson, Dr. Samuel, Dictionary of the English Language, 1755, wealth de-
- fined as riches, money, or precious goods, 2. Jones, Richard, As Essay on the Distribution of Wealth, and on the Sources of Taxition, Part I.-Rent (no more published), 1831, causes of rise of rent, 333-5.
- Journal des Économistes. Ses Schelle.
- KING, Gregory, Natural and Political Observations and Conclusions upon the State and Condition of England, written 1696, table printed in Davenant's Balance of Trade, 1699, printed in full in George Chalmers's Estimate of the Strength of Great Britain, 1802, wealth of the kingdom its accumulated stock, 14.
- LA BIVIÈRE, Paul-Pierre Le Mercier de, L'Ordre naturel et essentiel des Sociétés politiques, 1767, houses unproductive, 24 n.
- Landerdale, James Maitland, Earl of, An Inquiry into the Nature and Origin of Public Wealth, and into the Means and Causes of its Increase, 1804, value not necessary to public wealth, 5-6; capital and income not distinguished, 17; wealth not durable objects only, 25; function of capital not to set labour in motion, but to supplant labour, or do what labour cannot do, 107-9; suggestions disregarded, 122; profit results from the saving of labour effected by use of capital, 203-4. Locke, John, Two Treatises of Government, 1690, separation of employments,
- 4Å.
- Longfield, Mountifort, Lectures on Political Economy, Dublin, 1834, diminishing returns looked on as a general rule, 174; wages depend on the rate of profit and the efficiency of labour in producing the commodities on which wages are expended, 266-7; profits depend on the labour saving efficiency of the least efficient capital, 308-9; profits fall because the most efficient employments of capital are used up. 309-10.
- M'CULLOOH, John Ramsay, art. 'Political Economy' in Escyclopedia Britannica, 4th ed., Supplement, 1823, wealth consists of material products, 27; profits the wages of accumulated labour, 209; labourer cannot work without subsistence, 263.

<sup>-</sup> Principles of Political Economy, with a Sketch of the Rise and Progress of

the Science, Edinburgh, 1825, 2d ed., 1830, exchangeable value essen-tial to wealth, 8; materiality not essential, 23; menial sevrants as pro-ductive as miners, 30; ; theory of production, 39:40; three requisites absent, 41; territorial division of labour, 49; security ahlef means by which the productive power of labour is increased, 51; security of pro-perty and individualism confounded, D.; capital defined, 97; stock and perty and individualism confounded, 63, capital defined, 97, stock and revenue confounded, 98; capital hoarded produce, and excess of produce over consumption, 5.; circulating and firsd capital, 5.; firsd capital facilitates production, 112 m; demand for labour depends on increase of capital, 117; returns generally diminish, 169; rent a payment for natural and inherent powers, 196; profits the wages of accountisted labour, and wages the profits of the machine called man, 211; wage-fund in an arithmetical form, 263.4; difference between English and Irish wages caused by difference in the relative increase of population and capital, 126; wages cannot fall below, but may be above, the cost of prodicing labour, 265; change of wages may cause change of habit, 56; profit not the capitalister proportion of the produce, 293; profit dependent diminishing returns, 332.3; modification of this, 333; proportions in which produces is divided between rent, profits, and wages, 366; sheard of minishing returns, 353.4; discrepancies erplained, 36; shigh profits of risky businesses necessary to insure the capital, 36; shigh profits of risky businesses necessary to insure the capital, 36; shigh profits of risky businesses necessary to insure the capital, 36; shigh profits in risky businesses necessary to insure the capital, 36; shigh profits of rent of different acress of land at the same time, 377. formula for rent of different acres of land at the same time, 377

- formule for rest of different acres of land at the same time, 577. MCGuloch, John Ramssy, An Inquiry into the Nature and Causes of the Wealth of Nations. By Adam Smith, 4 vols., 1828; new ed. 1 vol., 1839 (and frequently reprinted), wealth not builton only, 4 n, 3 (isadvantage of over-specialisation erzggerated, 45; no objection to proposition that what is aswed is consumed, 98. See Smith. The Literature of Political Economy, 1845, extract from Anderson, 372 m. The Literature of Political Economy, 1845, extract from Anderson, 372 m. The Korks of David Ricardo, with a notice of the Life and Writings of the Author, 1846, Ricardo lucky in escaping a literary education, 7; bils Fish Price of Builton originally constituted in the form of latters. to
- High Price of Bullion originally contributed, in the form of letters, to
- Mange Inter y Dunton originally contributed, in the form of letters, to the Morning Chronics, 387.
  Maoleod, Henry Dunning, Principles of Economical Philosophy, Zd ed., 1872, capital connected with acqoBacor, 53 n.
  Maine, Sir Henry, Early History of Institutions, 1875, capital connected with capitale, castile, and chattels, 53.
- capitale, cattle, and chattels, 53. Malthus, Thomas Robert, An Essay on the Principle of Population, 1798, 2d ed., 1803; 5th, 1817; 6th, 1826; '8th (a reprint of 6th), 1878, private property and exchange necessary, 9; 'Adam Smith confounds comfort and wealth, 13, 396; use of the word wealth, 17; population identified with labourers, and subsistence with capital, 113; 2d ed. much emlarged, 130 n; tikle of 16t ed., 131; population always checked by vice and misery, 10, or by moral restraint, 132; title of 2d ed., 133; main subject; id.; eract nature of the Principle, 134-5; nothing to prove the necessity of checks except the geometrical and arithmetical ratios. 135:8: indefensibility of the arithmetical ratio, 139:43; failure ratios, 135-8; indefensibility of the arithmetical ratio, 139-43; failure of the argument of the book, 143.4; not based on the law of diminishing returns, 144, 180; supposed law that the annual addition to produce must diminish, 144-5; when population decreases the margin of cultiva-tion rises, 146; descent of margin does not prove diminution of returns, 172; poor law cannot benefit labourers, as wages depend on the increase of subsistence, 238-39; error of this pointed out by Ricardo, 239; inor subsidence, 2.5-3; error of this pointed out by riteritio, 2.5; in-crease of manufacturing capital does not raise wayees, 239-40; this pass-age dropped, 240; price of labour expresses the wants of society respecting population, 256; object in writing the first edition a practical one, 384; object of the second edition still more practical, 385-6; 'practical design to improve the condition of the lower classes,' 386. - AI investigation of the Gause of the Present High Price of Provincing, 1800, importation and growth of corn encouraged by the Poor Law, 239;-

scarcities due to over-population, 385; reason of delay in bringing out the second edition of the Essay, ib.

- Malthus, Thomas Robert, <u>A Letter to Samuel Whitbread</u>, Esq., M.P., on his proposed Bill for the Amendment of the Poor Lawa, 1807, shows carnest feeling and careful study of the poor law question, 386.
  - Observations on the Effects of the Corn Laws, and of a Rise or Fall in the Price of Corn on the Agriculture and general Walth of the Country, 1814, impartial comparison of Protection and Free Trade, 153; restriction of importa must raise price by forcing recourse to poorer land, 153-4; professorial style, 386-7.
  - The Grounds of an Opinion on the Policy of restricting the Importation of Foreign Corn, 1815, date of publication, 161 n; protectionist, 161; increasing prices due to necessity of cultivating poorer soil, id.; does not convince Ricerdo, 183; pamphlet on practical politics, 387. — An Inguiry into the Nature and Progress of Rent, and the Principles by
- An Inquiry into the Nature and Progress of Rent, and the Principles by which it is regulated, 1815, date of publication, 161 n; high price of agricultural produce due to employment of inferior land, 162.3; advance of price retarded by agricultural improvements, 163; effect of the argument on Ricardo, 16.; rent not result of monopoly, 222; subject a practical one in 1816, 222.3; three causes of rent, 223.4; four causes of rise of rent, 312.3; rise of rent must precede extension of cultivation, 314; views criticised by Ricardo, 321, 331; landlord's proportion declining, 340; a pamphlet on practical politics, 387.
- Definitions in Political Economy, preceded by an Inquiry into the Rules which ought to guide Political Economists in the Definition and use of their Terms; with Remarks on the Demains from these Rules in their Writing, 1827, goods produced and appropriated without exertion not wealth, 7-8; capital and revenue two sorts of expense, 98-9; accumulation the employment of revenue as capital, 99; little added to earlier works, 387.

----- Correspondence, affixed to Senior's Lectures on Population, 1828, tendency of population to increase faster than food, 171.

Marcot, Mrs. Jane, Conversations on Political Economy, in which the Elements of that Science are familiarly explained, 1810, wages dependent on the proportion which expital bears to the labouring population, 242, 263.

- Marshall, Alfred and Mary Paley, The Economics of Industry, 1879, fallacy of Mill's arithmetical example of the effect of improvements on rent, 387.
- Alfred, Principles of Economics, vol. i. 4th ed. 1898, Malthus's geometrical and arithmetical ratios, 148 m.; Ricardo's two classes of improvements, 325 m.; fallsoy of Mill's arithmetical example of the affect of improvements, 387; scales of fertility, 377; quasi-reat, 400.
- menta, 337; scales of fortility, 877; quasi-rout, 400. Marx, Karl, Capital : A Critical Analysis of Capitalist Production, translation edited by F. Engela, 1887 (1st German ed. 1867), skilled labour equal to a greater quantity of simple labour, 863. Mill, James, Commerce Defended : An Answer to the Arguments by which
- Mill, James, Commerce Defended : An Answer to the Arguments by which Mr. Spence, Mr. Cobbett, and others have attempted to prove that Commerce is not a source of National Wealth, 1809, wealth consists of valuable objects, 6; national wealth measured by the per capita amounts, 12-13; consists of powers of annual production, 17; productive and unproductive labour, 37; international commerce a branch of division of labour which allows localisation of industry, 48; capital an annual produce, 90; consumption to full amount of production, i0.
  - produce, 90 ; consumption to full amount of production, 30. — Elements of Political Economy, 1821, 24 ed. 1824, 361 ed. 1826, productive and unproductive labour, 27; division of the book, 34-5; treatments of production, 39; two requisites of production, 41; provision of instruments and materials is capital, 94-5; capital a stock, 95; what is annually produced is annually consumed, 96; fixed and circulating capital, to, ; reproduction of capital in spear, 96-7; fixed capital facilitates production, 112 m; amount of capital regulates amount of industry, 116; circulating capital estimilated to fixed, 121; diminishing returns an invariable rule, except in new colonies, 169; distribution enly concerned with wages, profit, and rent, 189; rent not to include profit on capital invested, 199; desire to strengthen the claim of the capitalist, 206-7; profits paid because the capitalist expects a reward, 201; profits the wages of hoarded labour, 2017-8, 208-11, 212; said to be abstract, but discusses means of raising wages, 259.6, 90; population has a tendency to increase faster than capital, 261-9; jimitation of births can raise wages to any height, 208-2; profits depend on wages, 291-3; different meanings of a variation of wages and profits, 206; explanation of historical fall of profits conitted in 32 ed., 297; rents increases as the effect of capital decreases, 332; confused ides as to the proportions of produce falling to rms, profits, and wages, 354-5; anching to say shout difference of wages, 363; formula for rent of different acces of land at the same time, 375-6; correct, but adds little to Adam Smith, 40, 50; objection, 376-7.
- Mill, John Staart, Essays on some Unsettled Questions of Political Economy, 1844, wealth of a country, its permanent sources of enjoyment, 18; productive and unproductive labour, 30-1, the word 'tend,' 159 n.; remuneration of employer's labour, 192-3; profits depend on wages, 298-302; long interval between the composition and publication of the book, 390.
  - Principles of Political Economy, with some of their Applications to Social Philosophy, 1848, 2d ed. 1849, 6th ed. 1866, People's ed. 1865, wealth not bullion only, 4 s.; schangeability essential to wealth, 8; laws of production reasemble physical truths, 10; progress compatible with diminisiting productiveness, 13; wages of unproductive labour to be excluded from national income, 31; theory of production consists of observations on the three requisites, 40; labour and land primary, capital additional, 42; change of occupation and aloth, 46; consequences of invention not to be astributed to division of labour, 41; neglect of territorial division of labour, 49; division of labour and lows its distribution scoreding to natural talent, 50; division of labour sits of so-of-operation, 51; superior scouring z capital as accumulated atook and result of assim.

103; with a trifling exception, 103-4; saving is consuming less than is produced, but all capital is consumed, 104; because it requires perpetual protection of because labourers who produces it consume their wages, 105; encoulating and fixed capital, 105-7; fixed capital facilitates production, 112 n.; industry limited by capital, 117-19; haw of diminishing returns, 175-80; increase of population beyond that of 1848 an evil, 181-2, 897 Moreof, increase of population beyond the state of local of of loc due to increasing cost of labourer's subsistence, 305; minimum of profits, 305.6; increase of capital reduces profits, 306-7; counteracting circumstances, 307; effect of introduction of railways on profits, 307-8; improvements must diminish rent in the absence of increased demand for produce, 336-7; chapter on rent does not deal with variations of rent, 338; proportions in which produce is divided between rent, profits, and wages, 358-9; Adam Smith's doctrine on differences of wages not satisfactory, 364-5; real cause of the differences the want of effective competi-tion, 365-6; no generalisations as to the accumulation and dispersion of large fortunes, 366; difference between the profits in risky and safe businesses different in different countries, 369; erroneous formula for rent of different acres of land at the same time, 378; unsatisfactory account of production, 379-80; demand for commodities is not a demand for labour, 381; laws of wages, profits, and capitals absurd or unintelligible, 382; pays more attention to distribution of wealth among individuals than his predecessors, but does not give the subject its proper

- militorias sum no pretocerso, source are proved to provide the provide the providence of the providence of
- Mirabaa, Victor de Riquetti, Marquis de, The Economical Table, an attempt ionards ascerianing and exhibiting the source, progress, and employment of riches, with explanations, by the Friend of Mankind, transl. from the French 1768, 'what manner' the income 'is distributed,' 185.
- Money, A Discourse of-being an Essay on that subject hietorically and politically handled, with reflections on the present evil state of the coin of this kingdom, and proposals of a method for the remedy, 1696, capital the national stock of treasure, 55 n.
- Murray, Dr. A. H., New English Dictionary on Historical Principles, 1888, the word capital, 53.
- PALEY, WILLIAM, The Principles of Moral and Political Philosophy, 1785, ten persons sujoy more happiness than five, 125; decay of population the greatest evil, and increase the greatest good, id.; want of customary subsistence a check to population, 127-8.

Parliamentary Papers :--

- Report from the Select Committee appointed to inquire into the Corn Trade, 1812-13, No. 184, Sessional vol. iii.; prices low when importation was discouraged and high when it was encouraged, 151; recommends very high import price, io.
- Report from the Scient Committee on Petitions relating to the Corn Lause, together with the Minutes of Bridence and an Appendix of Accounts, 1818-14, No. 339, Sessional vol. iii., alarm caused by removal of obstacles to importation, 154; greater cost of growing corn on poor land, 155; diminished proportion failing to remt, io.
- First and Second Reports from the Lords' Committees appointed to inquire into the State of the Growth, Commerce, and Consemptions of Gram, and all lows relating thereto, to whom were referred the several Patitions

presented to the House this session (1818-14), respecting the Corn Laws, 1814-15, No. 26, Sessional vol. v., 'progress of improvement,' 135; high price necessary (or cultivation of poor land, 156; i snallourd's proportion

- of produce declining, 340. Report from the Solect Committee on the Poor Lanes, with the Minutes of Bridness and an Appendix, 1817, No. 462, Sessional vol. vi., number of persons employed dependent on the amount of funds for maintenance of persons employed dependent on the amount on the use for the substantiant of labour, 113-14. First and Second Reports by the Lorde' Committee on the Resumption of Cash
- Paymente, 1819, No. 291, Sessional vol. iii., number of Enclosure Acts, 150.
- First Report from the Commissioners appointed to collect information relative to the Employment of Children in Factories, 1833, No. 450, Sessional
- vol. xx, capital and working expenses of a cottore, 1005, 100, 200, Bessional vol. xx, capital and working expenses of a cottor mill, 102. Third Report from the Select Committee on the State of Agriculture, 1836, No. 465, Sessional vol. viii. pt. 2, number of Enclosure Acts, 150. Waste Lands Enclosure Acts, 1843, No. 325, Sessional vol. ziviii, number
- of Enclosure Acts, 150.
- Parnell, Sir Henry, Speech in Hansard, denies law of diminishing returns. 151-2.
- Petty, Sir William, Verbum Sapienti, 1691, comprehensive computation of national wealth, 4; aggregate and not average wealth, 11; predecessor of Giffen's Growth of Capital, 14.
- Several Essays in Political Arithmetic, 1699, capital the stock of a trading company, 55 a. Pitt, William, speech in Hancard, relief as a right to large families, 124. Pontas, Jean, Dictionnaire de cas de conscience, new ed., Basle 1738, houses
- productive, 24 n.
- Poor Laws Report. See Parliamentary Papers.
- Porter, G. R., Progress of the Nation in its various social and economical relations, from the beginning of the nineteenth century to the present time,
- 1836, prices of wheat, 149; number of Enclosure Acts, 150. Postlethwayt, Malachi, Dictionary of Trade and Commerce, 2d ed. 1757, national wealth dependent on quantity of bullion, 2 n. Prayer, Book of Common, health and wealth together cover welfare, 1.
- Pultoney, William, Earl of Bath, Considerations on the present state of Public Affairs, 1779, national wealth identified with capital-wealth, 16,
- QUESNAY, FRANÇOIS, Œuvres économiques et philosophiques, ed. Auguste Oncken, 1888, 'biens gratuite' not 'richesses,' 5; wealth a 'flux de productions,' 15; 'richesses annuelles' the subject of the economical table, ib. ; productive and sterile labour, 19-21 ; sterile labour can produce, 22 n. ; the term ' distribution,' 184-5 ; inefficiency of labour due to insufficiency of wages, 232,
- RIGARDO, DAVID, The High Price of Bullion a proof of the Depreciation of Bank Notes, 1810 (4th ed. repr. in Works, pp. 261-301), a pamphiet an practical politics, containing the substance of letters to the Morning Uhronicle, 3.
  - Reply to Mr. Bosanquet's Practical Observations on the Report of the Bullion Committee, 1811 (repr. in Works, pp. 305-66), pamphlet on practical politics, S.
    - An Essay on the influence of a Low Price of Corn on the Profile of Stock, showing the inespectioncy of restrictions on importation; with remarks on Mr. Midthwist two last publications, 'An Inguiry into the Nature of Rent,' and 'The Grounds of an Opinion on the Policy of Restricting the Importa-tion of Foreign Corn,' 1815 (2d ed. repr. in Works, pp. 367-90), date of publication, 161 n. ; diminishing returns, 165 6; rent to exclude profis on capital invested, 194; objections to Malthus's explanation of the cause of rent, 225-7 ; wages depand on the comparative growth of popu-

lation and capital, 242-3; low price of corn advocated as producing high profits, 280; profits fall with progress in consequence of the greater difficulty in producing necessaries, 280-2; increase of rent due only to difficulty in producing necessaries, 220-2; increase or rent que only be fall of profit caused by diminution of returns, 315 f numerical illustra-tion, 315-16; interest of landlord opposed to that of every other class, 316; rent cannot be raised by fall of wages, 321; nor by improvements, it.; scrept temporarily, 321-2; a free trade pamphlet, 388. Ricardo, David, Proposals for an Economical and Secure Currency, with Observations on the Profits of the Bank of England, as they regard the public and the proprietors of Bank Slock, 1816 (2d ed. repr. in Works, pp. 2014/51 c. warphtst on presidual publics 288.

- 391-454), a pamphlet on practical politics, 388. On the Principles of Political Economy and Taxation, 1817, 2d ed. 1819,
- 3d ed. 1821 (repr. in Worke), value different from riches, 7; private property taken for granted, 9; progress compatible with diminishing productiveness, 13; question of unproductive labour not dealt with, 27; arrangement of the book, 33.4; distribution not production the subject, 38; four requisites of production, 41; localisation of industry, 48.9; definition of capital, 91; houses, clothes, and furniture included, 50; nature of saving, 91.3; circulating and fixed capital, 95.4; criticism of Barton's pamphies, 114; amount of labour regulated by amount of cir-culating capital, 115-16; reference to Weak, 160-1 n.; returns to industry do actually diminish, 166; praise of Torrens, 168; distribution into wages, profits, and rents, the principal problem of political economy, 189; rent to exclude profits on capital invested in the land, 194.5; rent of mines not rent, 195; rent to include profits on improvements inseparof miles not reht, iso; reat so include prome de improvemente integra-able from the land, 195-6; profits as surplus over wages, 206; necessary to cause saving,  $\delta$ ; cause of rent, 227; theory of wages affected by reading Torrens, 243; natural and market rates of wages, 246-50; real wages unaffected by changes in the price of food or taration, 250-7; natural rate rejected by Malthus, 257; profits fail in consequence of diminishing returns, 235-9; no cause of raing rent except diminishing returns, 321 ; variation of wages cannot affect rent, ib. ; improvements temporarily diminish rent, 322-5; argument based on assumption of equal additions to the produce of each capital, 325; with regard to money rent it requires the assumption of proportionate additions, 326-7; second class of improvements, 327-9; argument completely erroneous, 329-31 ; admission that improvements may eventually raise rent, 331-2, 335; intention of dealing with the proportions of produce falling to wages, profits, and rent, 340-1; failure to carry it out, 342-7; his 'money wages' vary with the proportion of produce minus rent falling to wages, 347; causes of variation in these money wages, 348-52; nothing to say as to proportion of produce falling to rent, 352-3; probable belief as to the three proportions, 353.4; differences of wages in different em-ployments, 362.3; formula for rent paid in respect of different capitals at the same time, 373-5; the work can only be properly understood
- when read along with Ricardo's practical pamphlets, 358. On Protection to Agriculture, 1822 (4th ed. repr. in Works, pp. 455-98), returns sometimes increase, 167. - Speeches in Hansard, does not admit that returns do increase, 167.
- Letters of, to Thomas Robert Malthus, ed. James Bonar, 1887, abundance and wealth, 7 n. ; productive labour, 27 n. ; saving may be unproductive expenditure, 110 m.; machinery distinguished from capital, 112-13; dates of publication of pamphlets in 1815, 161 n.; restriction of imports lowers profits, 164-5; Low Price written before reading West, 167 n.; error of Malthus's theory that the poor law could not increase food, 239; theory of profits, 290 ; ' peculiar opinions,' 388. Works. See M'Culloch.
- Works. See M'Culloch. Biohardson, William, An Essay on the causes of the Decline of the Foreign Trade, consequently of the Value of Landa in Britain, and on the means to restore both (sometimes attributed to Sir M. Decker), 1744, national

wealth dependent on quantity of bullion, 2 s.; the word 'capital,' 55 %.

Rivière, Le Mercier de la. Ses La Rivière.

- Rogers, J. E. Thorold, The First Nine Years of the Bank of England, 1887, misquotation of the Act, 8 and 9 W. & M. chap. xx. 54 n.
- SAT. JEAN-BAPTISTE. Traité d'Economie Politique ou simple exposition de la manière dont se forment, se distribuent et se consomment les richesses, lat ed. 1803, 2d ed. 1814, national wealth a sum of values, 6.7; partly composed of immaterial products, 25; division of the work copied, 35; suggested by Turgot's Reflexions, ib.; three elements of production, 40; dis-advantages of division of labour, 46; distribution concerned with wages, profit, and rent, 188-9.

- Schelle, G., Du Font de Nemours et l'école physiceratique, 1888, China 'fashionable' in Adam Smith's time, 12 n. Journal des Économitées, July 1888, date of Targot's Réflexions, 183 n. Senior, Nassau William, Two Lectures on Population, to which is added a correspondence between the author and the Res. T. R. Mathua, 1829, protest against the belief that population tends to outrun subsistence, 170; argument with Malthus, 170-1.
- argument with manuaus, 10-11. Three Lectures on the Raie of Wages, with a preface on the causes and remedies of the present disturbances, 1830, wages depend on the amount of the fund for the maintenance of labourers compared with the number
- of labourers, 267. Political Economy in Encyclopædia Metropolitana, 4to, pt. 43 (vol. vi.) 1836, and reprinted frequently in separate form, 8vo, political economy not applicable where no exchanges take place, 9; yet universally true so far as regards the nature and production of wealth, 10; wealth not material objects only, 28; productive and unproductive, 28-30; theory of production consists of observations as to the three requisites, 40; in bour and land primary, capital secondary, 41; invention not always the result of division of labour, 49; conception of capital, 103; fixed and circulating capital, 106; capital and division of labour, 110-11; fixed capital facilitates production, 112 m; capital and the amount of industry, 117; higher profits on small capitals, 1934; distinction between wages, profit, and rent, 196-9; profit the reward of abstinence, 213-14; rise and fall of wages, 268-70; rise and fall of profits, 297-8; rise of rent in England due to increased productiveness, 335; proportions in which produce is divided between rent, wages, and profits, 357-8; differences of wages in different employments, 364; profits in risky businesses, 369.
- Sismondi, J. C. L. Simonde de, De la Richesse Commerciale ou principes d'économie politique appliqués à la législation du commerce, 1806, produ-tive and anproductive, 25; view of rent objected to by Malthus, 222. Skeat, W., Eigmoductive, 26; view of rent objected to by Malthus, 222.
- wealth an extended form of weal, 1 s. Smith, \_dam, An Inquiry into the Nature and Causes of the Wealth of Nations, 1776, word wealth in title, 1; wealth not bullion only, 2; importance of exchangeable value, 5; private property natural, 9; nation a collection of individuals, 10; national wealth sometimes average, sometimes aggregate, 11-12; sometimes produce per acre, 12; China wealthy, 12n. ; wealth confused with happiness and comfort according to Malthus, 18 ; income wealth the subject, 15-16 ; productive and unproductive, 18-24; income wealth consists entirely of material objects, 24; inconsistency about durability, 25; productive an honourable, and unproductive a humilisting appellation, 26 m; individuals' riches, 37; divisions of the book, 32; circulation and production, 36; theory of production, 36-8; division of labour the only cause of increased productiveness, 36 ; early part of Book I. an essay on division of labour, 37; confusion between productive and useful, and between proportion and absolute number of

productive and unproductive labourers, 37.8; origin of the triad of productive requisites, 40; everything purchased by labour, 43; division of abour equivalent to separation of employments, 44; due to a track-ing disposition, 42; three advantages, 45; over-specialisation, 45-6; ing disponsion, or, interior causes sloth, 46; invention of machinery, Hedlint states to both partial states where  $\pi_{1}$  and  $\pi_{2}$  is a state of the for consumption, circulating and fixed capital, 60.4; capital sometimes not stock but produce, profit on expenditure and profit on capital being not work but produce, prove on expenditive and prove or expressions confused, 64-71; capital the result of saving, 71; paradoxical meaning given to saving, 72-4; capital a part of gross produce, 74-7; circulating capital identified with annual produce, 78-9; function of capital to yield a profit, 79; to enable labour to be divided, 80-3; function of fixed capital to abridge labour, 83; function of circulating capital to furnish Capital to abridge Amourt, or intervent of containing capital or and wages and materials, and to put labour into motion, 84; money excluded 84-5; money and fixed capital included, 85; different quantities of industry set in motion by four different employments of capital, 85-9; function y set in motod by four innovation ampropriate of capital, obs, frue direction of inquiry as to capital suggested by the chapter on Money, 122; infant mortality the chief check to population, 125; word 'distributed' in title of Bk. 1, 183; the term borrowed from Quesnay, 185; theory of distribution tacked on to a theory of prices, 186-8; gross and net rent, 189-90; distinction between wages, profit, and rent, 190-2; rent includes profit on capital invested on the land, 194; whole produce of labourths pronoun express interaction matrix, see, where produce of labourths natural wages of labour, 200; profits not a sort of wages, 200-1; obtained became capitalists hazard their stock, 201; labourers agree because necessitous, 201-2; supposed alternative theory, 202 n.; only employers' profits explained, 202-3; rent a monopoly price, 216-17; variation of rent the result, not the cause of wariations of price, 217; food for man always affords rent, 217-18; other things sometimes do and sometimes do not afford it, 219; 'distribution' deals with wages per head, profits per cent, and rent per acre, 230-1; high wages and low prices not incompatible, 233; wages naturally the whole produce, low prices not incompatible, 233; wages naturally the whole produce, 234; wages determined by a bargain, 45.; ordinary minimum the amount necessary to maintain a family, 235; fluctuations above and below, 235-7; money wages dependent on price of provisions, 237; profits vary inversely with wealth, 276; high profits compatible with high wages in new colonies, 276-7; new territory and trades raise profits, 277; wages and profits both low in stationary state, 277-8; Dependent of the state of the s doctrine rejected by Ricardian school, 279 ; causes of rise of rent, 310-12; view criticised by Buchanan, 312 ; contradictory theories as to the proportion of produce taken by rent, \$39-40; no theory at to proportions falling to wages and profits, 340; advantages of all the different employ-mente equal, 359-60; five circumstances which counterbalance differences of pecuniary wages, 360.2; more labour in an hour's hard work than in two hours' easy business, 363; view that esteem for peculiar talent raises particular wages rejected by Malthus, 62; differences of pecuniary rofits in different employments counterbalanced by other circumstances, pronts in different employments counter to an in risky businesses, 367-8; rent 367: fallacious explanation of high profits in risky businesses, 367-8; tent of any particular piece of land at any given time depends on its fertility and situation, 370-1; practical character of the book, 383; scientific character, 384.

- Spence, Thomas, A Lecture read at the Philosophical Society in Neucastle, on November 8th, 1775, for Printing of which the Society did the Author the honow to exped him (repr. and ed. by H. M. Hyndman in The Nationalisation of the Land in 1775 and 1882, 1882), early forerunner of Mr. Henry George argued against by Maithan, 223 m.
- of Mr. Henry George argued against by Malthua, 223 n. Spence, William, Britons independents of Commerce, or proofs deduced from an inscentization inits the true causes of the Wealth of Mains that our riches,

INDEX

prosperity and power are derived from sources inherent in ourselves and would not be affected even though our commerce were annihilated, 1807, national wealth an accumulation, 17.

Spencer, Herbert, The Man versus the State, 1884, anticipated by Joseph Townsend, 129. Statutes :-

8 and 9 W. & M. (1697), ch. 20, word 'capital' used as an adjective, 54.

13 Geo. III. (1773), ch. 43, relaxation of corn laws, 151 n.

- 51 Goo. II. (1791), bit. 30, modification of our laws, 100 for 44 Goo. II. (1791), bit. 30, modification of ourn laws, 160. 44 Goo. II. (1804), ch. 109, corn laws strengthened, 151. Steart, Sir James, *Principles of Political Economy*, 1797, disapproval of estimating mational wealth by the quantity of coin in eironistion, 4; division of the work, 82; localization of industry, 48 a.
- Taxes, Considerations on, 1765, common belief that if living is cheap wages will be low, 234 n.
- Torke, Thomas, A History of Prices and of the state of the Circulation from 1793 to 1837, 1838, Windsor prices of wheat, 148; monthly prices, 150. Torrens, Robert, An Essay on the External Corn Trade, etc., etc., 1816, a disquisition on distribution, 35; long title, 167.8; preside by Ricardo, 166; diminishing returns used in argument against corn laws, 50; internet the backward of the action of 2428, teast. natural wages those to which the labourer is accustomed, 243-6; treatment of wages approved and followed by Ricardo, 246; necessity of cultivating poorer land raises rent, 320; protection tantamount to pen-sioning the landed aristooracy, ib. - An Essay on the Froduction of Wealth, with an Appendiz, in which the
- An Essay of the requestion of reason outs an Appendix, memory sep-principles of political economy are applied to the actual circumstances of this country, 1821, value dependent on existence of private property and not a necessary attribute of wealth, 8; term production as name of a division of political economy, 35; first long treatise on production, 39; three instruments of production, 41; localisation of industry, 49; first capital facilitates production, 112 n; land a requisite of production, 102 division of political economy, 12 m; land a requisite of production, 123; diminishing returns a general rule, in and a requirite of production, 123; diminishing returns a general rule, 166; profits taken to be a cortain percentage of the cost of production, 208.
   Townsend, Joseph, A Dissertation on the Poor Laws, by a well-wisher to man-kind, 1786, repr. 1817, and in Ovarstone's Select Tracts, 'Miscellancous'
- vol. 1859, principles of population an argument against the poor laws, 129; poor laws encourage breeding from the worst varieties, id.; restriction of cottages a check to population, 129-30; proposals for reform, 130 %.
- A Journey through Spain in the years 1786 and 1787 with particular attention to the agriculture, manufactures, commerce, population, taxes, and revenue of that country, and remarks in passing through a part of France, 1191, 22 do, 1192, "principles of population," [29, Targot, A. R. J., Reflexions sur la formation et la distribution des richeses, 1770, tills anggeste division of J.-B. Say's Trais, 35; origin of division
- of labour ascribed to differences of soils, 48; use of term 'distribution,'
- 1834; date of the work, 183 n.; bare subustance wages, 232.
   Observations sur le mémoire de M. de Saint-Peruvy, etc., statement of the law of diminishing returns, 187-8.
   Twizs, Sir Travers, View of the Progress of Political Economy in Europe
- since the sixteenth century, 1847, criticism of Adam Smith's inclusion of revenue in stock, 64 ; this not noticed by J. S. Mill, 103.
- VAUBAN, Marshal, La Dime Royale, 1707, true riches consist of an abund-ance of necessaries, 15; greatness of kings measured by the number of their subjects, 124.
- WAREFIELD, EDWARD GIBBON, An Inquiry into the nature and causes of the Wealth of Nations, by Adam Smith, with notes from Ricardo. M'Oulloch,

Chalmers, and other eminent political economists, with Life of the Author by Dugald Stewart, 1843, division of labour only one form of co-operation, 50, 51; quoted by J. S. Mill, 305; Adam Smith's hapter on differences of wages and profits universally approved, 364. Wallace, Dr. Robert, A Dissertation on the Numbers of Mankind in antient

- and modern times, in which the uncored ministric in ministric manuamed, 1153, checks to population, 126-7. Various Frospects of Mankind, Nature and Providence, 1761, perfect government impossible owing to necessity of checks to population, 128; Malthurs criticism, 133.
- West, Sir Edward ['a Fellow of University College, Oxford '], An Essay on the Application of Capital to Land, with observations showing the imthe Application of Capita is Land, with conservations showing in em-policy of any great restriction of the importation of corn, and that the Boundy of 1688 did not lower the price of it, 1815, general rule of diminish-import price for wheat, 160 m.; date of publication, 161 m.; rejection of Adam Smith's theory as to variations of profit, 279-80; rem regulated by the diminishing rate of return upon additional portions of capita, 217, marginal literation 217, 201. teachaged and provide a state of the section of Adam Smith's theory as to variations of profit, 279-80; rem regulated by the diminishing rate of return upon additional portions of capita, 217, marginal literation 217, 201. teachaged and the section of the s numerical illustration 317-20; landlord's proportion declining, 340; erroneous formula for the rent of different acres of land at the same time, 374-5.
- Price of Corn and Wages of Labour, with observations upon Dr. Smith's, Mr. Ricardo's, and Mr. Malthus's doctrines upon those subjects ; and an attempt at an exposition of the causes of the fluctuations of the price of corn during the last thirty years, 1826, diminishing returns not proved by descent of the margin of cultivation, 172 ; refutation of wage fund theory, 265-6 ; claim to have discovered Ricardian theory of profits, 280.
- Westminsfer Review. See Ellis. Whately, Richard, Archbinhop, Introductory Lectures on Political Economy delivered at Oxford in Easter Term, 1831, 3d ed., revised and enlarged, 1847, practice of exchange necessary for the existence of political economy or catallactics, 8-9; the word 'tend,' 159 n.
- Whitbread, Samuel, Bill to regulate the Wages of Labourers in Husbandry, 1796, opposed by Pitt on behalf of fathers of large families, 124.
- Speech in Hansard, 1796, proposal to give a bounty to parents of large families, 124 r.
- YOUNG, ABTHUR, An Inquiry into the Rise of Prices in Europe during the last twenty five years, compared with that which has taken place in England, with observations on the effects of high and low prices, 1815 (in the Pamphleteer, vol. vi. pp. 165-204), date of the publication of West's *Application*, and Ricardo's *Low Price*, 161 m; soils last taken into cultivation the least likely to be abandoned on a fall in the price of produce, 321 m.

PRIVIDE IN CARAT SRITARS BY THE WEITERBLARS PARAS, LTD., LARDON AND TOUDOIDAR.

# BOOKS TO READ

# ELEMENTS OF STATISTICS

By A. L. BowLET, Sc. D., Professor of Statistics in the University of London. Fourth Edition. Cloth. 24e. Or in Two Volames : Vol I. General Elementary Methods. 16e. Vol. II. Application of Mathematics. 12a. 6d.

Bankers' Magazine : "The standard text-book for students of statistical methods . . . the new edition is particularly suitable for actuarial students."

Insurance Magazine: "The present problem of the cost of living cannot be investigated scientifically without the use of Index numbers, and the chapter on this method of investigation is particularly illuminating and appropriate, especially as examples and instances have been brought up to date."

# THE CO-OPERATIVE MOVEMENT IN JAPAN

By KIVOSHI OGATA, Ph.D., Professor of Special Department of Commerce in the University of Commerce, Tokyo. With a Preface by SIDNEY WEBE, LL.B. Demy 8vo. 380 pp. Cloth. 12a, 6d.

CONTENTS.—The Forerunners of Co-operative Societies in Japan—The Mujin—The Hotokusha: A Japanese Co-operative Credit Society—The Modern Co-operative Movement in Japan—Credit Societies—Marketing Societies—Furchasing Societies—Machinery Societies—Associations of Consumers—Review of Co-operative Progress in Japan, with Special Reference to the Forms of Co-operation absent in Japan—Appendix— Bibliography.

# THE BRITISH TRADE BOARDS SYSTEM : An Enquiry into its Operation

By DOROTHY SELLS, Ph.D. With 4 Graphs. Demy 8vo. 304 pp. Cloth. 12a. 6d.

Within the last four years one of the questions most frequently asked by persons concerned with reconstruction problems in the field of labour has been: "How has the Trade Boards System developed in Great Britain, and how has it worked under the test of time and economic chaos ?" This book is an attempt to answer the question in so far as it is possible to do so from available information.

# **RESTORATION OF THE WORLD'S CURRENCIES**

By R. A. LEHFELDT, D.Sc., Professor of Economics in the University of the Witwatersrand, Johannesburg : Author of "Gold Prices and the Witwatersrand." Demy 8vo. 160 pp. Cloth. 6s.

Times Literary Supplement: "It preserves a studious impartiality, and is marked throughout by wide reading and observation, as by sound and careful thought and reasoning." Financier: "To the general reader interested in current economics the

Financier: "To the general reader interested in current economics the book will be found of absorbing interest and should prove of invaluable service to students."

P. S. KING & SON, LTD. Orchard House, 2 & 4 Gt. Smith Street, Westminster

# WORKS BY THE SAME AUTHOR

: "De

# WEALTH : A Brief Examination of the Causes of Economic Welfare

\*Second Edition. Ninth Impression. Crown Svo. 304 pp. Cloth. 6s.

Manchester Guardians: "This is an excellent introduction to economics for the use of students or of other persons who would like to get clearer and firmer notions of the business side of life than they can get by merely casual observation and reflection upon such fragments as come within their personal purview."

# MONEY: Its Connection with Rising and Falling Prices

Fourth Edition. The latter portion has been entirely rewritten and much new matter added. Crown 8vo. 106 pp. 3e. 6d.

The Cambridge Magazine: "There is no more reliable observer of significant events in the economic world than Professor Cannan, and the fact that his latest publication is not only an analysis but a warning makes it all the more desirable for the lay reader to familiarise himself with the elements of the currency problem."

#### HISTORY OF LOCAL RATES IN ENGLAND In Relation to the Proper Distribution of the Burden of Taxation

Second Edition. Revised and Enlarged. Crown 8vo. 215 pp. Cloth. 5s.

Economist : " Has been recognised ever since it was published . . . as the best book on the subject."

Local Government Journal : "Ably written, and the points clearly argued out."

# THE PAPER POUND OF 1797-1821

A Reprint of the Report of 1810 of the Committee of the House of Commons on the High\_Price of Gold Bullion, with the Foreign Exchanges. With an Introduction by Professor CANNAM. Demy 8vo. 71 pp. Cloth. 6.

Financial News: "A timely reproduction of the report of the Select Committee on the High Price of Bullion, 1810, with a most interesting introduction by Professor Edwin Cannan, who recounts the story of the crisis at the beginning of the last century."

#### P. S. KING & SON, LTD.

Orchard House, 2 & 4 Gt. Smith Street, Westminster