# THE POUND STERLING

# THE POUND STERLING

# A HISTORY OF ENGLISH MONEY

BY
A. E. FEAVEARYEAR



OXFORD UNIVERSITY PRESS LONDON: HUMPHREY MILFORD

Gokhale Institute of Politics and Economics, Poona 4.

OXFORD UNIVERSITY PRESS
AMEN HOUSE, E.C. 4
LONDON EDINBURGH GLASGOW
LEIPZIG NEW YORK TORONTO
MELBOURNE CAPETOWN BOMBAY
CALCUTTA MADRAS SHANGHAI
HUMPHREY MILFORD
PUBLISHER TO THE
UNIVERSITY

First published 1931 Reprinted 1932

Printed photographically from sheets of the First edition in Great Britain for the Muston Company
4 Bell Yard, Temple Bar, W.C. 2
by Lowe & Brydone, London

#### PREFACE

THIS book is an attempt to combine a history of the Lecoinage and the paper currency with so much of the history of the Bank of England and the other banks as was required to make a complete account of the development of the monetary system. Except where it was obviously unnecessary, the author has endeavoured at all times to go back to the original sources of information, and he believes that in a few places he has been able to correct errors or misconceptions commonly found in text-books and standard works on the subject. His thanks are due to Mr. C. R. L. Fletcher, of Oxford, who read the whole of the manuscript and made many valuable suggestions, particularly on points of general history, and to Sir Charles Oman, who has been good enough to go through the proofs and make several useful criticisms on matters connected with the coinage, of which his knowledge is unrivalled.

30 July 1931.

A. E. F.

### TABLE OF CONTENTS

PAGE

Chapter I. THE POUND IN THE MIDDLE AGES The Pound a unit of account—Minting charges—Laws against the export of bullion—Faulty minting—Clipping and counterfeiting—Origin of the pound—The 'sterling'— The cycle of debasement and reform—Recoinages of 1279 and 1299—The supply of silver—The coinage in 1335— Reduction of the standard weight—Effect of the reduc- tion—The Black Death—Reduction of 1351.	I
Chapter II. THE STRUGGLE FOR BULLION.  The silver standard and gold coins—The first gold—The Italian merchants—English merchants—The French ecu and the florin of Florence—The English florin—Issue of the noble—The silver coinage after 1351—The inquiry of 1382—Bullion regulations—Reduction of the standard in 1411—Reduction of 1464—The King's profit—Effect of the reduction.	19
Chapter III. THE GREAT DEBASEMENT Sovereigns and shillings—Bullion from America—Ducats and French crowns—Reduction of 1526—Gold of 22 carats—The plan for debasement—Debasement begun—Silver of 9 ozs. fineness—War with France—Silver of 6 ozs. fineness—Borrowing from the Mint—Silver of 4 ozs. fineness—Summary of Henry VIII's debasement—Edward VI's debasement—A' plan for reform—The money called down—The pound at its lowest—Northumberland's attempt at reform—Gresham and the exchange—The reign of Mary.	43
Chapter IV. RESTORATION AND REFORM. Position at Elizabeth's accession—Plans for the restoration—'Gresham's Law'—The plan adopted—The proclamation—Figures of the recoinage—Reduction of 1601—The union of the Crowns in 1603—The treaty with Spain—Charles I and the silver in the Mint—Invention of the milled edge—Partial freedom of export—Abolition of the Mint charges—Issue of the guinea.	71
Chapter V. THE GROWTH OF CREDIT The beginning of banking—The cash-keepers of the six-	91

teenth century—Effect of the Cottington Treaty—Similar developments in Holland—The growth of banking in England—The early goldsmith-bankers—The first notes—'Running cashes' and cheques—Tallies as money—The

109

138

Exchequer orders—The 'stoppage' of the Exchequer—The bankers' losses—After the stoppage—The improvement of credit.

Chapter VI. THE FIRST CREDIT INFLATION

Effects of the Act of 1666—Price of the guinea—Disappearance of milled money—Position in 1695—Financial effects of William's policy—Foundation of the Bank of England—The first issue of Bank notes—The Bank buys up the tallies—Credit inflation—Gold, silver and the Dutch exchange—The price of guineas—Proposals for reform—John Locke—Lowndes—Parliament and the coinage—The first measures—The recoinage—Much clipped money shut out—The resulting unrest—The scheme mismanaged—The Bank's balance sheet—Deflation—Locke and Lowndes.

Chapter VII. THE GOLD STANDARD...

The East India trade—Gold and silver—The price of the guinea—Newton—The guinea at 21s.—Gold as the standard—The disappearance of silver—Progress of credit currency—Cross-country payments—The inland bill of exchange—Development of country bankers—Lending counties and borrowing counties—The Bank as keeper of the reserve—The Act of 1708—Recoinage of 1774—State of the silver coins—History of the token coinage—Difficulties of regulating the tokens—Silver a limited legal tender.

Chapter VIII. THE BANK RESTRICTION PERIOD. I. The first credit crises—Regulation of note issues—Crisis of 1783—Crisis of 1793—The Bank and the war—The threatened invasion—The week before the stoppage—Restriction of cash payments—Small notes again—The committee's report—Causes of the stoppage—Fractional currency—The silver position—Liverpool's pamphlet—Management of the paper—The first inflation—The boom of 1809—Appointment of the Bullion Committee—Bullion debates—Opposition to the Report.

Chapter IX. THE BANK RESTRICTION PERIOD. II. 180
Other views on inflation—Lord King's proposals—The
Stanhope Act—Condition of the coinage—Crisis of 1811—
The end of the war—Condition of the silver—Liverpool's
Act of 1816—Issue of the sovereign—The first resumption
of payments—The second stoppage—Act of 1819—Effects
of deflation—The currency after Peel's Act.

		CC	ONTENTS	}			ix
The small Action of land—A he of interest Palmer's p mittee of t the Bank— Thornton-	ROL. I. notes— the Bank ar Bank ar The I blan—Jo 832—Ac The m The Cu	The box k—Acts and the mand and selection and the mand plin and tof 183; eaning arrency	LOPMENT  oom of 1826—  narket—The  policy—Joh  d the joint  3—Pressure  of 'currenc  Theory—T  f 1844—Ac		of 182 tes in S eximum y Palme unks—C Attitud s of He ng Theor	cot- rate er— om- le of	216
Peel and to of the Ba crisis—We crisis—The Overend,	nk—'Sus guelin's e Bank's Gurney a te—Ade African g	Charte spension policy- difficu and Con quacy o	r Act—Cris n' of the A —Crisis of lties—The npany—Cri f the reserv	sis of 184 Act—Less 1857—Ef finance of sis of 186 re—The I	7—Attitions of fects of ompanie 6—The Baring c	the the the es—	256
The Clean	-stock b	use—Gi anks—7	rowth of the coinage	he <mark>ch</mark> equ	e systei	n	
The Clear The joint century—  Chapter XII The pre-v of the Ban currency i destroyed- Money ar Coinage fiduciary 1924—Go	stock be Act of 18 THE var system of the Act—Inotes—In Act, 19 note issued Stand	WAR m—Th Condition flation g' the company	rowth of the coinage	e in the  NEW of war— scount m The lini The rise Gold a c Community—Co	e systement of price	m— enth  M . sion The gold es— er— The	299
The Clear The joint century—  Chapter XII The pre-v of the Ban currency i destroyed- Money ar Coinage fiduciary 1924—Go	stock b Act of 18 THE var syste k Act— notes—In 'Peggir d prices Act, 19 note issi ld Stand 1928—	WAR m—Th Condition flation g' the company	AND THE e outbreak on of the di of credit— exchanges— exchanges— the Cunliff om and sh ct, 1925—	e in the  NEW of war— scount m The lini The rise Gold a c Community—Co	e systement of price	m—enth  M . sion The gold es— er— The c of dank	<b>2</b> 99
The Clear The joint century— Chapter XII The pre-v of the Ban currency is destroyed- Money an Coinage fiduciary 1924—Go Notes Act	-stock b Act of 18 . THE var syste k Act—inotes—In—'Peggir ad prices Act, 19 note issi ld Stand, 1928—'	WAR m—Th Condition flation g' the company	AND THE e outbreak on of the di of credit— exchanges— exchanges— the Cunliff om and sh ct, 1925—	e in the  NEW of war— scount m The lini The rise Gold a c Community—Co	e systement of price	m—enth  M . sion The gold es— er— The ank	

•

## **ABBREVIATIONS**

The following abbreviations are used in the footnotes:

P.R. Calendar of the Patent Rolls.

C.R. Calendar of the Close Rolls.

F.R. Calendar of the Fine Rolls.

R.P. The Rolls of Parliament.

S.P.D. Calendar of the State Papers, Domestic Series.

S.P., E. and S. Calendar of the State Papers, England and Spain.

L. and P. Letters and Papers of the Reign of Henry VIII.

T.P. Treasury Papers.

#### BIBLIOGRAPHY

#### **GENERAL**

- R. Ruding. Annals of the Coinage of Great Britain and its Dependencies. Third edition. (London, 1840.)
- H. A. Grueber. Handbook of the Coins of Great Britain and Ireland in the British Museum. (London, 1899.)
- E. Hawkins. The Silver Coins of England. (London, 1841.)
- R. L. Kenyon. The Gold Coins of England. (London, 1884.)
- Lord Avebury. A Short History of Coins and Currency. (London, 1901.)
- W. Lowndes. A Report containing an Essay for the Amendment of the Silver Coins. (London, 1695.)
- S. M. Leake. An Historical Account of English Money, &c. (London, 1726.)
- M. Folkes. Tables of English Silver and Gold Coins. (London, 1745.)
- J. Harris. An Essay upon Money and Coins. (London, 1757.)
- T. Snelling. A View of the Silver Coin and Coinage of England. (London, 1762.)
  - A View of the Gold Coin and Coinage of England. (London, 1763.)
  - A View of the Copper Coin and Coinage of England. (London, 1766.)
- Charles Jenkinson, First Earl of Liverpool. A Treatise on the Coin of the Realm, in a Letter to the King. (Oxford, 1805.)
- W. A. Shaw. The History of Currency, 1252 to 1894. Second edition. (London, 1896.)
- W. Cunningham. The Growth of English Industry and Commerce. Fifth edition. (Cambridge, 1922.)
- J. E. Thorold Rogers. A History of Agriculture and Prices in England. (Oxford, 1866-1902.)
- H. D. Macleod. The Theory and Practice of Banking. Fifth edition. (London, 1892.)
- A. M. Andréadès. History of the Bank of England. (London, 1909.) Royal Mint Commission Report, 1849.
- Cobbett's Parliamentary History and Hansard's Parliamentary Debates.

# FROM THE EARLIEST TIMES TO THE DEATH OF EDWARD I

- The Ancient Laws and Institutes of England. B. Thorpe's Translation. Published by the Record Commission, 1840. Domesday Book.
- Sir H. Ellis. A General Introduction to Domesday Book. (Record Commission, 1833.)

- F. W. Maitland. Domesday Book and Beyond. (Cambridge, 1907.)
- Sir W. Ridgway. The Origin of Metallic Currency and Weight Standards. (Cambridge, 1892.)
- C. J. Shive. Weights of English and Northern Coins. (Numismatic Chronicle, 1871.)
- T. Hodgkin. The Political History of England to 1066. (London, 1906.)
- A. Delmar. History of Money in Ancient Countries. (London, 1885.)
- C. Mills. The History of the Crusades for the Recovery and Possession of the Holy Land. (London, 1820.)
- W. W. Wroth. Catalogue of the Imperial Byzantine Coins in the British Museum. (London, 1908.)
- Matthew Paris. English History from the Year 1235 to 1273. Translated by J. A. Giles. (London, 1847.)
- T. Madox. The History and Antiquities of the Exchequer of the Kings of England. Second edition. (London, 1769.)
- C. G. Crump and A. Hughes. The English Currency under Edward I. (Economic Journal, vol. v.)
- C. G. Crump, A. Hughes, and C. Johnson. The Debasement of Coinage under Edward III. (Economic Journal, vol. vii.)
- Sir W. J. Ashley. Early History of the English Woollen Industry. (American Economic Association, 1887.)
- P. Villari. The Two First Centuries of Florentine History. Translated by Linda Villari. (London, 1894.)
- R. H. G. Chalon. Recherches sur les Monnais des Contes de Hainaut. (Brussels, 1848-54.)
- R. Serrure. Eléments de l'Histoire Monétaire de Flandre. (Ghent, 1879.)

Holinshed's Chronicle.

Calendar of the Patent Rolls.

Calendar of the Close Rolls.

Calendar of the Liberate Rolls.

#### THE FOURTEENTH AND FIFTEENTH CENTURIES

The Rolls of Parliament.

Calendars of the Close Rolls, the Patent Rolls, and the Fine Rolls. W. Prynne. An Exact Abridgement of the Records in the Tower.

(London, 1657.)

Proceedings and Ordinances of the Privy Council of England.

C. G. Crump, A. Hughes, and C. Johnson. (See above.)

W. Longman. The History of the Life and Times of Edward III. (London, 1869.)

Cardinal Gasquet. The Black Death of 1348 and 1349. Second edition. (London, 1908.)

R. Chalon. Recherches, &c. (See above.)

R. Serrure. Eléments, &c. (See above.)

P. Villari. The Two First Centuries, &c. (See above.)

A. Engel and R. Serrure. Traité de Numismatique du Moyen Age. (Paris, 1891.)

Sir J. H. Ramsey. Lancaster and York. (Oxford, 1892.)

Knighton's Chronicle.

Daniel's Chronicle.

W. Gregory's Chronicle of London. (Camden Society, New Series, XVII, 1876.)

Fabyan's Chronicle. Kyngston's edition. (London, 1559.)

Holinshed's Chronicle.

Charters, Letters, &c., of Lord Middleton; Manuscripts of the Dean and Chapter of Wells; and other similar documents of the period. (Historical Manuscripts Commission.)

#### THE TUDOR DEBASEMENT AND RESTORATION

Letters and Papers, Foreign and Domestic, of the Reign of Henry VIII.

Calendar of Letters, Dispatches, and State Papers relating to the Negotiations between England and Spain.

Acts of the Privy Council of England, New Series.

The Journal of Edward VI. (Clarendon Historical Society's Reprints, New Series, No. 1.)

Grafton's Proclamations of Edward VI.

Dyson's Proclamations.

Calendar of State Papers, Domestic Series.

Calendar of State Papers, Calais Series.

Calendar of State Papers, Venice and North Italy.

Salisbury Manuscripts. (Historical Manuscripts Commission.)

Harleian Manuscripts.

Lansdowne Manuscripts.

John Stow. The Annales, or Generall Chronicle of England. (London, 1615.)

T. Hearne. A Collection of Curious Discourses. (Oxford, 1720.)

J. W. Burgon. The Life and Times of Sir Thomas Gresham. (London, 1839.)

J. S. Brewer. The Reign of Henry VIII, from his accession to the death of Wolsey. (London, 1884.)

H. Hallam. The Constitutional History of England. Seventh edition. (London, 1854.)

J. A. Froude. History of England from the Fall of Wolsey to the Defeat of the Spanish Armada. (London, 1856-70.)

# THE STANDARD IN THE SEVENTEENTH CENTURY AND THE CHANGE FROM SILVER TO GOLD

State Papers, Domestic Series.

Proclamations, Chronological Series.

Calendar of State Papers, Treasury Papers.

Calendar of State Papers, Treasury Books.

The Journals of the House of Commons.

Rutland Manuscripts. (Historical Manuscripts Commission.)

Harleian Miscellany.

Rushworth's Historical Collections.

Thomas Mun. England's Treasure by Foreign Trade. (London, 1669.)

Thomas Violet. An Appeal to Caesar. (London, 1660.)

Tracts relating to the Coinage. (London, 1653, &c.)

The Diary of Samuel Pepys. Wheatley's edition. (London, 1904.)
J. Boisard. Traité des Monoyes, de leurs circonstances et dépendances. (Paris, 1692.)

W. Lowndes. A Report containing an Essay, &c. (See above.)

John Locke. Some Considerations of the Consequences of the Lowering of Interest and Raising the Value of Money. (London, 1602.)

Further Considerations concerning Raising the Value of Money, &c. (London, 1695.)

Sir Dudley North. Discourses upon Trade. (London, 1691.)

Thomas Houghton. The Alteration of the Coin. (London, 1695.)

Narcissus Luttrell. A Brief Historical Relation of State Affairs from September 1678 to April 1714. (Oxford, 1857.)

Michael Godfrey. A Short Account of the Bank of England. (London, 1695.)

J. Houghton. A Collection for Improvement of Husbandry and Trade. (London, 1692, &c.)

The Trial and Condemnation of the Trustees of the Land Bank at Exeter Exchange for murdering the Bank of England at Grocers' Hall. (London, 1696?)

The Arguments and Reasons for and against engrafting upon the Bank of England with Tallies, &c. (London, 1700?)

Macaulay. The History of England from the Accession of James II. (London, 1849-61.)

J. E. Thorold Rogers. The First Nine Years of the Bank of England. (Oxford, 1887.)

C. Davenant. An Essay on the East India Trade. (London, 1696.) Discourses on the Public Revenues and on the Trade of England. (London, 1698.)

J. R. McCulloch. A Select Collection of scarce and valuable tracts on Money, &c. (London, 1856.) W. A. Shaw. Select Tracts and Documents illustrative of English Monetary History. (London, 1896.)

Adam Smith. Wealth of Nations. McCulloch's edition. (London, 1828.)

Sir Isaac Newton's Mint Reports, &c. are contained in the above collections of tracts by McCulloch and Dr. Shaw.

# THE GROWTH OF BANKING IN LONDON AND THE COUNTRY

Calendar of State Papers, Treasury Papers, and Treasury Books. Calendar of State Papers, Domestic Series.

W. A. Shaw. Introduction to the Treasury Books. (Published with the Calendar.)

The 'Treasury Order Book'. (Economic Journal, vol. 16.)

The Mystery of the New-fashioned Goldsmiths or Bankers discovered. (London, 1676.)

T. Violet. Tracts relating to the Coinage. (See above.)

Portland Manuscripts. (Historical Manuscripts Commission.)

J. W. Gilbart. A Practical Treatise on Banking, &c. Sixth edition. (London, 1856.)

F. G. Hilton Price. The Marygold by Temple Bar. (London, 1902.)

A Handbook of London Bankers. (London, 1876.)

The Signs of Old Lombard Street. (London, 1887.)

J. B. Martin. 'The Grasshopper' in Lombard Street. (London, 1892.)

A History of Banking in all the Leading Nations. Various writers. (New York, 1896.)

M. Vigne. La Banque à Lyon du XV<sup>e</sup> au XVIII<sup>e</sup> Siècle. (Lyons, 1903.)

Clarendon's Life.

Pepys's Diary. (See above.)

Luttrell. Brief Relation, &c. (See above.)

T. Turnor. The Case of the Bankers and their Creditors, &c. (London, 1675.)

Michael Godfrey. A Short Account, &c. (See above.)

C. Davenant, Discourses, &c. (See above.)

The Trial and Condemnation, &c. (See above.)

J. Francis. History of the Bank of England. (London, 1847.)

The Arguments and Reasons, &c. (See above.)

Arnold Toynbee. Lectures on the Industrial Revolution in England. (London, 1884.)

L. W. Moffit. England on the Eve of the Industrial Revolution. (London, 1925.)

D. Defoe. A Tour thro' the whole Island of Great Britain. (London, 1724, &c.)

C. H. Cave. A History of Banking in Bristol from 1750 to 1899. (Bristol, 1899.)

W. H. Bidwell. Annals of an East Anglian Bank. (Gurney & Co.) (Norwich, 1900.)

David Hume. Of the Balance of Trade.

Of Public Credit. (London, 1741.)

Sir J. Steuart. Principles of Banks, &c. Second edition. (London, 1812.)

Adam Smith. Wealth of Nations. (See above.)

H. Thornton. An Inquiry into the Nature and Effects of the Paper Credit of Great Britain. (London, 1802.)

Daily Courant.

London Gazette.

British Chronicle.

Scots Magazine.

Gentleman's Magazine.

Journals of the House of Commons.

Report of the Committee on the State of Commercial Credit, 1793.

#### THE BANK RESTRICTION PERIOD

Reports of the Commons and Lords Committees on the Resources of the Bank, 1797.

Report of the Bullion Committee, 1810.

Report of the Committee on the State of Commercial Credit, 1811.

Report of Peel's Committee, 1819.

Report of the Committee on Commercial Distress, 1847-8.

House of Commons Papers.

The Oracle.

The Times.

H. Thornton. An Inquiry, &c. (See above.)

Lord King. Thoughts on the restriction of payments in specie at the Banks of England and Ireland. (London, 1803.)

W. Boyd. A Letter to the Rt. Hon. William Pitt on the influence of the stoppage of issues in specie at the Bank of England, &c. (London, 1801.)

Sir F. Baring. Observations on the Establishment of the Bank of England, &c. (London, 1797.)

Observations on the publication of W. Boyd, Esq., M.P. (London, 1801.)

C. Bosanquet. Practical Observations on the Report of the Bullion Committee. (London, 1810.)

Ricardo. The High Price of Bullion a Proof of the Depreciation of Bank Notes. (London, 1810.)

W. Huskisson. The Question concerning the Depreciation of our Currency stated and examined. (London, 1810.)

Earl Fortescue. A Selection from the speeches and writings of the late Lord King. (London, 1844.)

McCulloch. Principles of Political Economy. Second edition. (London, 1830.)

T. Tooke. Thoughts and Details on the High and Low Prices of the Thirty Years, 1793-1822. (London, 1823.)

History of Prices. (London, 1838, &c.)

Gentleman's Magazine.

R. G. Hawtrey. Currency and Credit. Third edition. (London, 1928.)

A. W. Acworth. Financial Reconstruction in England, 1815-1822. (London, 1925.)

Lord Liverpool. Treatise, &c. (See above.)

Report of the Committee of the Council on the State of the Coin, &c., 1816.

#### CREDIT IN THE NINETEENTH CENTURY

Report of the Committee on Agricultural Distress, 1821.

Correspondence between the Government and the Bank, 1826.

Report of the Committee on Promissory Notes in Scotland and Ireland, 1826.

Report of the Committee on the Bank Charter, 1832.

Report of the Committee on Joint-Stock Banks, 1838.

Report of the Committee on the Effects of the Issue of Bank Notes, 1840.

Report of the Committee on Commercial Distress, 1847-8.

Report of the Committee on Joint-Stock Banks, 1856-8.

Report of the Committee on the Operation of the Bank Act of 1844, 1857-8.

House of Commons Papers, 1873, xxxix.

W. Cobbett. Rural Rides in the Counties of Surrey, Kent, Sussex. &c. (London, 1830.)

Malachi Malagrowther (Sir Walter Scott). Thoughts on the proposed change of currency, &c. (Edinburgh, 1826.)

T. Joplin. An Essay on the General Principles and Present Practice of Banking, &c. (London, 1813.)

An Analysis and History of the Currency Question, &c. (London, 1832.)

J. H. Palmer. The Causes and Consequences of the Pressure upon the Money Market, &c. (London, 1837.)

J. W. Gilbart. An Inquiry into the Causes of the Pressure on the Money Market during the year 1839. (London, 1840.)

A Practical Treatise, &c. (See above.)

R. Torrens. An Essay on Money and Paper Currency. (London, 1812.)

A Letter to the Rt. Hon. Lord Viscount Melbourne, &c. (London, 1837.)

An Inquiry into the practical working of the proposed arrangements for the renewal of the Charter of the Bank of England, &c. (London, 1844.)

G. W. Norman. Remarks upon some prevalent errors with respect to currency and banking, &c. (London, 1838.)

A Letter to Charles Wood, Esq., M.P., &c. (London, 1841.)

S. J. Loyd. Reflections suggested by a perusal of Mr. J. H. Palmer's Pamphlet, &c. (London, 1837.)

Further Reflections on the state of the currency, &c. (London, 1837.)

T. Tooke. Thoughts and Details, &c. (See above.)

History of Prices. (See above.)

An Inquiry into the Currency Principle, &c. (London, 1844.)

J. Fullarton. On the Regulation of Currencies, &c. (London, 1844.)

J. Wilson. Capital, Currency, and Banking. (London, 1859.)

C. S. Parker. Sir Robert Peel from his Private Papers. (London, 1899.)

'A Polish Economist.' Money, Credit, and Prices. (Economist, 7 and 14 April, 1928.)

T. E. Gregory. Select Statutes, Documents and Reports relating to British Banking, 1832 to 1928. (London, 1929.)

W. Bagehot. Lombard Street. (London, 1873.)

W. Leatham. Letters on the Currency. (London, 1840 and 1841.)

W. Newmarch. Paper in the Statistical Journal, 1851.

Sir R. H. Inglis Palgrave. The Bank Acts of 1844 and 1845 and the Bank Rate. (London, 1892.)

Notes on Banking in Great Britain, &c. (Statistical Journal, 1873.)
W. S. Jevons. Money and the Mechanism of Exchange. (London, 1872.)

Investigations into Currency and Finance, &c. (London, 1884.)

The Economist.

The Times.

The Mint Reports.

Correspondence between the Treasury and the Bank, 1870.

# THE MODERN SYSTEM AND THE EFFECTS OF THE WAR

Reports of the Economic Science Section of the British Association, on Industry and Finance during the War.

Reports of the Cunliffe Committee, 1918 and 1919.

Report of the Treasury Committee on the Amalgamation of the Note Issues, 1924.

#### **BIBLIOGRAPHY**

345

T. E. Gregory. Select Statutes, &c. (See above.)

Hartley Withers. War and Lombard Street. New edition. (London, 1916.)

Bankers and Credit. (London, 1924.)

R. G. Hawtrey. Monetary Reconstruction. (London, 1923.)

G. Cassel. The World's Monetary Problems. (London, 1921.) Money and Foreign Exchange after 1914. (London, 1922.)

J. M. Keynes. A Tract on Monetary Reform. (London, 1923.)

D. H. Robertson. Money. (Cambridge, 1922.)

The Economist.

APPENDIX I A Table of the Rating of Sterling Silver, the Mint Charges, and the Mint Price.

	Rating of Sterling	Λ	Aint Charge	Percentage	Mint Price		
Date.	Silver per	Seignor- age.	Expenses.	Total.	to Money Coined.	per ounce troy.	
	d.	d.	d.	d.		d.	
Alfred	20.0			?	1	?	
991 (?)	21.3			7	1	7	
1276	21.6	0.80	0.40	1.59	6.0	20.3	
1290	21.6	0.23	0.49	1.05	4.7	20.6	
1343	Not stated	0.23	0.80	1.33			
1344	23.6	0.23	0.71	1.24	5.3	22.4	
1345	23.8	0.23	0.71	1.24	5.2	22.6	
1346	24.0	0.64	0.60	1'24	5.2	22.8	
1349	24.0	0.77	0.47	1'24	5.5	22.8	
1351	26.7	0.23	0.71	1'24	4.7	25.2	
1355	26.7	0.44	0.28	1.03	3.8	25.7	
1361	26.7	0.27	0.62	0.89	3.3	25.8	
1412	32.0	0.27	0.80	1.02	3.3	30.0	
1464	400	3.56	1.54	4.80	12.0	35.5	
1466	400	2.13	1.24	3:37	8-4	36.6	
1467	40.0	1.60	1.24	2.84	7.1	37.1	
1471	40.0	0.23	1.00	1.20	4.0	38.4	
1492	40.0	0.18	0.89	1.02	2.7	38.9	
1526	450			1.00	2'2	44.0	
1542	64.2			16.50	25.2	48.0	
1544	59°2 88'8			11.30	18.9	48.0	
1545	88 <b>·8</b>			37.00	41.7	21.8	
1546	133.2		1	81.40	61.1	51.8	
1547	133.5			74:00	55.6	59.2	
1549	133.5			64.70	48.6	68.5	
1551	266.4			155'40	58.3	111.0	
1552	60 1 a			,	1		
1553	60°5 a		[		1		
1560	600	0.30	1.50	1.20	2.2	58.2	
1583	60.0	0.70	1.50	1,00	3.5	28.1	
1601	62.0			2.00	3.2	60.0	
1604	62.0			2.20	4.0	59.5	
1626	62.0	0.80	1.50	2.00	3.5	60.0	
1666	62.0		1	Nil	i	62.0	
1816	66·o				l	(b)	

<sup>(</sup>a) These coins were issued in exchange for base ones. The market price of silver was such that they must have been minted at a loss.
(b) Silver purchased at market price.
Where no figures are shown in the third and fourth columns the division of the charges between the King and the Moneyers is not known.

347

## APPENDIX II

# A Table of the Rating of Fine Gold, the Mint Charges, and the Mint Price.

	Ra Fin	ting of e Gold			Mint (	Charge	s.		Percentage of Charges		t Price
Date.		ounce roy.	Sei	enorage.	Exp	enses.	7	otal.	to Money Coined.		ounce roy.
	<b>s</b> .	d.	\$.	d.	1.	d.	5.	<b>d</b> .	<u> </u>	S.	d.
1257	17	9.3	1			-		?	۱ .		7
1343	26	9.7	I	9.3		3.8	2	1.1	7.8	24	8-6
1344	23	6.4		5.3		3.6		8.9	3.2	22	9·5
1345	23	6.4		5·3 10·7		2·2 1·8	1	7:5	2·7 4·2	23	11.8
1346 1351	25 20	0·3 9·7		7.7		2 I	•	9·8	3.1	25	11.0
1355	26	9.7	l	5.0			l	6.3	2.0	26	3.4
1363	26	9.7		5.9 3.8		1.6		5.4	1.7	26	4.3
1412	29	9.5	1	3.8		1.6		5.4	1.2	29	4·I
1464	37	2.7	4	2.8		2.5	4	5.3	12.0	32	9.4
1405	40	2.5	1	7·7 o·8		2.5	I	10.3	4·6 3·2	38 38	4·3 11·0
1467 1471	40 40	2.5	1			2.7		3·5 8·0	1.7	39	6.5
14/1	40	2·5 2·5	1	5·3 ·7		20	1	2.7	1 -6	39	11.8
1526	-	- 3		,		•	(		1	"	
Angel	45	2.8						2.8	·5	45	0.0
Crown	45	8.4					١.	3.3	-6	45 48	2·1
1544 (May)	50	1.0	ł				2	1.0	4·I 8·5		0.0
1545 (Mar.)	54	6.6	1				4	6·6 6·6	6.6	50 51	0.0
1546 (Jan.) 1546 (Mar.)	54	6·6					3	0.0	15.0	51	0.0
1546 (Oct.)	60	0.0	Į				8	0.0	13.3	52	0.0
1547 (Jan.)	60	0.0					2	0.0	3.3	58	0.0
1549	61	10.0	1				I	10.0	3.0	60	0.0
1552			ļ								•
Angel	60	3.7	1					?	1		?
1558 Angel	60	3.7						5.0		59	10.7
Crown	60	3.6						4.8	1 4	59	7.2
1580	-		(				1		1	3,	, -
Angel	60	3.7	1				l	6.0	-8	59	97
1590			1								
Crown	60	0.0	ł				l	7.6	1.0	59	4.4
1601 Angel	61	1.8					1	10.0	1.4	60	3.8
Crown	60	10.0	ļ				ļ	10.0	1.2	60	0.0
1604		,	j				]	,	''		
Crown	67	7.6	2	2.2		6.6	2	8.8	4.0	64	10.8
1605	_ `	-	i			_	1	_	1		
Angel	67	10.5	I	11.6		6.4	2	6∙0	3.7	65	4.5
IOII			(				١.	0.0	مء أ		10-5
Angel Crown	74	7·5 4·8	l				3	1.1	5.5	70 70	37
1612	74	40	1				•	• •	33	,.	3 /
Angel	74	7.5	ł				2	7.5	3.5	72	0.0
Crown	74	7·5 4·8	1				2	4.8	3.2	72	0.0
1619							١.		1		
Angel	74	7.5	I	3.0		6·4 6·6	*	9.4	2.4	72	10.1
Crown 1661	74	4.8	I	4.4		0.0	1	11.0	2.0	72	5-8
Angel	79	7.2	1				ĺ	(a)	1		(a)
Crown	79	4.3					l	(a)			(a)
1663	8o	10.0	1					Nil		80	10.0
1696 (Mar.)	105	2.2					)	Nil	1	105	2.2
1696 (Apr.)	89	0.0	1					Nil	1	89	0.0
1699	86	11.7	l		1			Nil Nil	ł	86	117
1717	84	11.5	1				1 1	×11	1	84	11.2

<sup>(</sup>a) Old coins raised in value but no new ones issued.

Where no figures are shown in the third and fourth columns the division of the charges between the King and the Moneyers is not known.

## APPENDIX III

# A Table of the English Coins in Order of Issue.

# I. GOLD COINS

Coin.	Date.	Fineness.	Weight in troy grains.	Denor tio	
	Duit.	A site includes	troy grams.		
Penny	TO 57	Fine Gold		s.	4
1 citiy	1257 1265	rnie Gold	45.0 Value raised to	1 2	
Florin	•	P: 0-11			C
	1343	Fine Gold	108.0	6	C
Noble Rain- and q		ns in proportion			
INODIE	1344	23 ct. 3½ gr.	136.7	6	8
	1346	**	128.6	6	8
	1351	>+	120.0	6	8
	1412	**	108.0	6	8
T 19 6.4	1464		Value raised to	. 8	4
			e half-nobles and	d	
quarter-nob	les in prop	ortion.			
Ryal or Royal	1465	23 ct. 3½ gr.	120.0	10	C
	1544		Value raised to	12	¢
Half-ryals a	nd quarter	-ryals in proport	ion.		
Angel	1465	23 ct. 3½ gr.	8a-o	6	8
	1526 (6		Value raised to	7	4
<b>.</b> .	1526 (5			7	ě
	1544	23 ct.	"8o o	á	Č
	1549	-3 ***	Value raised to	9	8
	1552	23 ct. 3½ gr.	80·0	10	Č
	1601		78.9	10	
	1604	"	71.1	10	
	1611	. 11	Value raised to	11	
	1612	23 ct. 3½ gr.	64.7	10	ò
	1661		r gr. raised to	11	8
	1001	And angels o		10	8
Amaslata on	half angala		d in proportion a		
			u in proportion a 14 and from 156		
onwards.	· ·			-	
Sovereign or	1489	23 ct. 3½ gr.	2400	20	C
Double Ryal	1526 (6		Value raised to	22	Q
	1526 (5,		**	22	6
	1544	23 ct. 3½ gr.	2000	20	C
	1545	22 ct.	1920	20	C
	1546	20 ct.	192.0	20	¢
	1549	22 ct.	169.4	20	C
	1552	23 ct. 3½ gr.	240.0	30	C
	1552	22 ct.	174.2	20	C
	1601	22 ct.	171.9	20	0
Th	16	commisse of an	urse, was the ryal		

	AI	PPENDIX I	II		349
				5.	d.
Double Sovereign	1489	23 ct. 3½ gr.	480 <b>·o</b>	40	0
Crown of the Rose	1526	22 ct. (?)	54.0	4	6
Crown of the	1526	22 ct.	57.3	5	•
Double Rose	1545	22 ct.	48∙0	5	0
	1546	20 ct.	48.0	5	0
Half-crowns	in proportio	n.			
George Noble Half-George-	1526 nobles in p	23 ct. 3½ gr. roportion.	71.1	6	8
Treble Sovereign	1540	22 ct.	508-2	60	0
210010 2010101611	1642	22 ct.	421.2		
Unite	1604	22 Cr.	154.8		0
		ritain crowns o	Ψ,		U
		f 2s. 6d. in pro		OMII3	
O1 43., aliu 110	1611		all the above r	aised	
	1011	by 10 per		21304	
	1612	22 ct.	140.8	20	0
	1619	22 ct.	140.2		_
The unites of		e were somet			•
ZIIV WIIIVOU V	1661		4.8 gr. called		
			unites of 140		
Rose Ryal	1604	23 ct. 3½ gr.	213.3	30	0
Spur ryals of			0.2	_	
• •	1611		e above raise	d by	
	1612	23 ct. 3½ gr.	194.1	30	0
Spur ryals of	15s. in pro			-	
	1661	to 35s. and th	213'3 gr. calle hose of 194'1 ; als in proport	gr. to	
Guinea	1663	22 ct.	129'4	20	0
	1696 (Lad	v Dav)	Value raised		
	1696 (10 A		Value reduc		_
	1600	• •	,,	21	6
	1717		,,	21	0
Five-guinea quarter-guine		guinea pieces, ertion.	, half-guineas	, and	
	1797	Seven-shillin portion.	g pieces in	pro-	
Sovereign ·	1816	22 ct.	122.2		0
Five-pound p in proportion		oound pieces,	and half-sover	eigns	

#### II. SILVER COINS

The	Penny	of	Sterling	Silver.
-----	-------	----	----------	---------

					G	rains Troy.
Traditio	nal we	ight (	from the	e eigh	th	
centui	ry to a	bout	991)			24.00
From	about	991 t	o about	1275		22.20
About 1	275					22.00
1343.				•		20.30
1345.	•	•	•			20.12
1346.	•					20'00
1351.						18.00
1412.			•			15.00
1464 .						12.00
1526.						10.40
1544 -						10.00
1552.			•			8.00 (of 11 oz. 1 dwt. fineness)
1560.						8.00 (of sterling silver)
1601.		٠				7-80
1816.						7.27

#### Farthing and halfpenny.

First issued by Edward I, of proportional weight.

1335. Halfpennies containing one-sixth copper and five-sixth silver issued, weighing 10.7 gr.

1345. Halfpennies, 9.7 gr.; farthings, 4.8 gr. These continued to be made until 1351.

At other times halfpennies and farthings were made in proportion to the penny. They continued until the Tudor debasement.

#### Groat.

Known definitely to have been issued in 1279. Became a regular issue in 1351, when half-groats were issued also. Both coins were always proportional to the penny.

Shilling, Teston, Testoon, or Tester.

First issued 1504. Always proportional to the penny except during the debasement period.

Threepenny piece, Sixpence, Half-crown, and Crown.

First issued 1552.

Three-farthing and Three-halfpenny piece.

Issued as an experiment in 1561.

Ten-shilling and Twenty-shilling piece.

Issued during the Civil War.

Two-shilling piece or Florin.

Issued in 1849.

Double-florin.

Issued in 1887.

### APPENDIX IV

## I. The First Bank Return after the Bank Charter Act, 1844.

#### BANK OF ENGLAND

Week ended 7 September 1844.

#### Issue Department.

Notes Issued	 £ 28,351,295	Government Debt . 11,015,100 Other Securities . 2,984,900 Gold Coin and Bullion . 12,657,208 Silver Bullion . 1,694,087
	£28,351,295	£28,351,295

#### Banking Department.

Proprietors' Capital . Rest Public Deposits . Other Deposits . Seven-day and other bills	£ 14,553,000 3,564,729 3,630,809 8,644,348 1,030,354	Government Securities (including the Dead Weight Annuity) Other Securities Notes Gold and Silver Coin	£ 14,554,834 7,835,616 8,175,025 857,765
	£31,423,240		(31,423,240

# II. The First Bank Return under the Currency and Bank Notes Act, 1928.

# BANK OF ENGLAND

Week ended 28 November 1928

#### Issue Department.

,568,550
,568,550
,176,193
,240,157
,000,000
,088,945
,088,945

7	~	2

# APPENDIX IV Banking Department.

	£	۱ . •		£.
Proprietors'		Government	;	
Capital	14,553,000	Securities		52,180,327
Rest .	3,254,001	Other Se-		
Public De-		curities		
posits .	21,452,051	Discounts		
Other De-		and Ad-		
posits		vances.	13,586,293	
Bankers 62,379,409		Securities	20,214,855	
Other				33,801,148
Accounts 37,185,203		Notes .		52,087,797
	99,564,612	Gold and		
Seven-day		Silver		
and other		Coin .		757,041
bills .	2,649	1		
£138,826,313		1	£	138,826,313

#### APPENDIX V

#### A Summary of the Present Monetary Regulations.

#### THE COINAGE

#### Coinage Act, 1870

Weight of the Sovereign					123 <sup>.</sup> 27447 gr. troy.				
Weight of the Half-sovere	ign	•			61.63723 ,,				
Weight of the Shilling	•				87.27272 ,,				
The other silver coins in proportion.									
Weight of the Penny.			•		145.83333 ,,				
Weight of the Halfpenny			•		87.5 ,,				
Weight of the Farthing					43.75 ,,				
The gold to be of elever	n_fwe	lfths	finenes	g .	The pennies, &c., to				

The gold to be of eleven-twelfths fineness. The pennies, &c., to be of mixed metal, copper, tin, and zinc.

The least current weight of the sovereign to be 122.5 gr., and of the half-sovereign 61.125 gr.

#### Coinage Act, 1891

The Mint remedy for the sovereign to be 0.2 gr. for weight and 2 per mille for fineness.

The Government empowered to direct by Order in Council that gold coins which have not been illegally dealt with and are not more than three grains light shall be exchanged by the Mint at their nominal value.

#### Coinage Act, 1920

The silver coins to be one-half fine silver, one-half alloy, or millesimal fineness 500, instead of sterling silver, millesimal fineness 925.

Silver and bronze coins are issued in the quantities and of the denominations asked for by the public through the agency of the banks and the Bank of England. Though not required by any Act of Parliament to do so, the Mint exchanges worn silver and bronze coins for other money at par, and thus the legal value is maintained.

#### Gold Standard Act, 1925

No person to have the right to bring gold to the Mint and have it assayed and coined except the Bank of England.

#### THE NOTE ISSUE

No banks other than the Bank of England may issue notes in England and Wales. (Act of 1844.) Scottish and Irish Banks which were issuing notes in 1845 are entitled to issue notes without cover up to a maximum then fixed, and to issue any further quantity they please covered in full with gold and silver coin or Bank of England notes. (Acts of 1845 and 1928.) The Bank of England is bound to

purchase with notes all gold offered, at the price of £3 17s. 9d. per ounce of standard gold. (Act of 1844.) The Bank of England is bound to sell, for any legal tender money, gold at £3 17s.  $10\frac{1}{2}d$ . per ounce of standard gold in the form of bars containing approximately 400 oz. of fine gold. (Act of 1925.) The fiduciary issue of Bank of England notes of all denominations must not exceed 260 millions, unless the Government by Treasury minute authorize a temporary increase. The holders of Bank of England notes of £5 and upwards may demand notes of £1 and 10s. in exchange at the Bank. (Act of 1928.)

#### LEGAL TENDER

The exact amount of the debt must be tendered. No person is bound to give change.

Gold coins are legal tender up to any sum, but silver coins to a greater amount than £2 or bronze coins to a greater amount than 1s. may not be tendered in any one payment. (Coinage Act, 1870.)

Bank of England notes of £5 and upwards are a legal tender for all amounts in England and Wales, except at the Bank of England. (Acts of 1833, 1845, and 1928.)

Bank of England notes of £1 and 10s. are a legal tender for all amounts in Great Britain and Northern Ireland, and at the Bank of England. (Act of 1928.)

Scottish and Irish bank notes, except the notes of the Bank of Ireland, are not a legal tender.

The notes of the Bank of Ireland are a legal tender in payment of taxes in Ireland, except in so far as this is abrogated by the Currency Act of the Irish Free State, 1927. (Act of 1821, 1 & 2 G. IV, c. 72.)

The Executive Council of the Irish Free State may declare any of the token coins of Great Britain no longer legal tender in the Irish Free State. (Coinage Act of the I.F.S., 1926.)

#### INDEX

Aberdeen Town and County Bank, 225. Act of Indemnity, 273-4. African Company, 89. Alfred, pound of, 7. Althorp, Lord, 234. America, discovery of, 44; silver from, 44, 70, 79, 80, 95, 138; rediscounting system of, 238; banks in, 270, 271; exchange with, 306-9, 313, 314, 315, 317, 322-4, 326, graph, 336. Angel, 348; acceptance by farmers, 22; first issued, 38; price raised, 45, 47, 50; not current in Scotland, 81. Angel gold, see Gold. Antwerp, moneyers from, 54; trade with, 68; payments there for silver, 83. Aragon, gold coins of, 29. Gres-Aristophanes, enunciates ham's Law, 73. Assignats, 167, 182. Attwood, Matthias, 233. Ayr Bank, 161, 173, 225.

Backwell, Edward, 96, 99, 102, 103, 106; and recoinage of Commonwealth money, amount due to him by Charles II,

Bagehot, Walter, on the discount market, 282; on the Bank reserve, 284-5; on joint-stock banks, 291-2.

Balance of trade, England's in 14th century, 12; effect of Hundred Years' War, 14; attempts to regulate, 31, 32; before Bank Restriction, 183.

Bank Act, 1892, 328-9.

Bank Charter Act, 1833, 234-5, 252, 255, 328. Bank Charter Act, 1844, 232, 239,

252-8, 283, 286, 289, 303, 328-32; suspension of, 257, 263-5, 273, 280, 300; effects of, 270, 273-4, 319.

Bank deposits, as money, 240-3, 245, 247, 248; quantity of at various dates, 297, 298, 313, 334; during the war, 309-12; Cunliffe Committee and, 317.

Bankers' debt, 105.

Bank holiday, extension of, August 1914, 301. Banking accounts, origin of, 99. Banking Theory, 244, 246-51. Bank, national, safety of under a monarchy, 86, 95, 102.

Bank notes, origin of, 97, 98; to 'order' and to 'bearer', 98, 99; early practice in connexion with, 99, 100; engraved and watermarked, 146; use of in the 18th century, 146-8; holder-in-duecourse, 146, 147; 'endorsing off', 146; of small denomination, 148, 161, 162; bearing interest, 152,241; cease to be issued in London except by Bank of England, 154; optional clause, 161; under £1 made illegal, 162; under £5, 162, 163, 171, 217, 223, 224, 235, 299; of less than £1 reissued in Scotland, 171; required to bear a stamp, 181; in Scotland, 217, 225, 226. See also Bank of England notes, Banks, country, English, Irish, Scottish, London.

Bank of Amsterdam, 86, 111, 241. Bank of deposit, 246.

Bank of England, effect of foundation upon credit, 107; foundation of, 115, 116; buys up tallies, 118; calls up balance of capital, 132; borrows in Holland, 132; balance sheet in 1696, 133; revenue balances kept elsewhere, 150, 151; becomes keeper of central reserve, 153, 154; monopoly of, 154, 155, 224, 233, 235; subscribes to Government loans, 164; and the crises of 1783 and 1793, 164-6; Pitt's calls upon, 166-8; and the panic of 1797, 168; restriction of cash payments, 170, 171; loans to Government limited, 172, 179, 208; ready to resume payment, 177, 178; and inflation, 180-90; finances speculation, 181; commercial discounts of, 181, 183; return of discounts stolen, 186; its discounts and the exchanges, 189, 190; amount of discounts at various dates, 189, 190, 194, 199, 201, 228, 232, 273, 278; issues dollars, 192, 193; plan for re-

suming payment, 199-201; reserve of, 200, 230, 260, 261, 262, 265, 267, 273, 280, 286, 297, 298, 305; second stoppage of payment, 201, 202-5; responsibility for controlling credit, 207, 212, 238, 266, 270, 285, 288, 332; ten millions of advances repaid, 208; acts as agent for the Mint, 211, 294, 325; deposits, securities, and bullion, 1790-1826, 212-14; the Rest, 214; plan for resurning cash payments, 216, 217; and the crisis of 1825, 220-4; stoppage of payment suggested, 1825, 221; beds installed at, 222; branches of, 224, 290; relationship to money market, 226-32, 237, 238, 257-60, 262, 267-70, 274-7, 281-3, 287, 288, 302, 304, 305; return of position, 229; weekly return, 235, 254, 329, 330, 351, 352; borrows from Bank of France, 237, 286; and the joint-stock banks, 237; proper amount of reserve, 239, 240, 283-6, 299; deposits at various dates, 249, 297, 298, 304, 305; proposal to establish two departments, 251, 254; silver bullion in reserve, 254; buying price for gold, 254, 295; effect of Act of 1844, 256-8, 263, 264; discounts limited, 262; officers, term of office of, 266; control of credit, 281, 292, 293; protection of reserve, 287, 288; joins Clearing House, 289; bullion in, 297, 298, 319, 320, 327, 328, 330; loans to Government during war, 309, 310; selling price for gold, 325; foreign balances held, 331; use of powers under Act of 1928, 331, 332. Bank of England notes, early form,

98, 100; bearing interest, 108; first issued, 116, 117; at a discount, 132, 161; return to par, 134; as legal tender, 134, 171, 172, 190-2, 218, 219, 224, 234, 235, 236, 325, 328; 'sealed bills', 147; under £20, 147, 148; confined to London area, 163; outside London area, 171; how issued during Restriction period, 178; quantity outstanding at various dates, 181, 183, 184, 201, 212-14, 249, 262, 273, 297, 298, 330; maximum depreciation during Restriction period, 194; under £5 withdrawn, 200; and inflation, 201, 203, 205; forged, 218; under £5 reissued, 1825, 221, 222, 299; signed by hand, 222; circulated by country banks, 238, 258; control of issue, 245, 246; fiduciary issue regulations, 254, 255, 328-32; in Scotland. 255; reserve against since 1844, 259, 260; no longer convertible into coin, 325, 326; reissue ofnotes under £5, 328-32; writeoff of lost notes, 328, 329; profits upon issue, 329; penalty for defacing, 329; present regulations,

353, 354. Bank of France, lends two millions to Bank of England, 237.

Bank of issue, 246.

Bank of Manchester, 236.

Bank of Scotland, monopoly of, 225.

Bank post bills, 147.

Bank rate, origin of, 227, 231, 232; Henry Thornton on, 228; after 1825, 232; maximum abolished, 234; modern use of, 237, 281-3, 293; use of in 1839, 239; and prices, 248; theories regarding use of, 251, 256; use of after 1839, 258, 262; after 1844, 259, 260; during crisis of 1847, 264, 265; after 1847, 267-9; in 1857, 271-3; changes of, 1858-65, 276, 277; 1863-6, 278, 280; after 1866, 280; change in nature of, 282, 283; after 1893, 286; effectiveness of, 287, 288; in 1914, 300, 302, 305; in 1919, 316, 320; Cunliffe Committee and, 319; in 1920, 321; in 1925, 325; Parliament and, 332.

Bank Restriction Act, 1797, 172, 185, 186; extensions of, 178, 199, 203, 204. Banks, Dutch, commencement of,

93, 94; purchase heavy English money, 94.

Banks, Flemish, loans to Henry VIII, 67; of Antwerp, 94, 95. Banks, Italian, 23-8, 94, 112.

Banks, English, weekly return of note issues, 235; number of at various dates, 297, 298; reserves of 1914-28, 334. Banks, London, commencement of,

84, 91-5; losses in 1672, 105; cease to issue notes, 163, 289. See Goldsmiths. Banks, country, development of, 148-52; limited to six partners, 154, 155; in 18th century, 163, 165; effect of crisis of 1793 upon, 166; number of at various dates, 177, 181, 194; note circulation, 183, 289, 290, 297, 298; elasticity of note issues, 194, 203; failure of, 1814-17, 195; dislike of small notes, 200; issue of small notes, 218, 219; notes payable in gold, 219; and the crisis of 1825, 223, 224; note issues limited, 254, 255; note issues extinguished, 255; deposits of, 289, 200. Banks, joint-stock, formation of prevented in 18th century, 155; made legal in England and Wales, 224; formation of, 233-5; relations with Bank of England, 237-9; deposits of, 267, 284; in 1866, 280; and the Clearing House, 288, 289; growth of, 290-2; and inflation during the war, 305, 306, 310; gold held by, 311, 319. Banks, private, management of, 291. Banks, 'Big Five', 292. Banks, Irish, notes of, 255, 303; of Northern Ireland, 329. Banks, Scottish, joint-stock, 155, 156; notes of, 217, 255, 303, 329; general account of, 225, 226, 233. Barbary pirates, Spain defends silver against, 82. Baring, Alexander, 209. Baring Brothers, 281, 285, 286. Baring, Sir Francis, 173, 174, 189, 204. Base money, used to pay the Army, 51; value on the Continent, 51. See Debasement. Berwick, fortifications at, paid for with base money, 62. Besants, 22. Bill-brokers, origin of, 150; borrow from banks at call, 271; position in 1857, 274, 275. Bills of exchange, use of by Italian merchants, 24; abolition of recommended, 32; use of forbidden, 68; use in internal trade, 91, 149-51; as currency, 108, 152, 153, 241, 290, 291.

Bi-metallism, efficient working of, Black Death, general results of, 16, 17, 40, 41; effect on the money, Black Friday, 279, 280, 299. Black Prince, reverses in France, 30. Blanching, of base coins, 59; of silver coins, 315. Blondeau, Pierre, 86, 87, 88, 96, 110, 111, 121. Boom of 1919, 312-14, 320. Borough Bank of Liverpool, 272, Bosanquet, Charles, 169, 183. Bosanquet, Henry, 256, 264, 330. Bosanquet, Samuel, 165, 169, 170, 189, 227, 228. Boulogne, siege of, 51; base money recommended for, 54; payment by France for return of, 60. Boultons of Birmingham, 174, 192. Bowes, Sir Martin, 48, 49, 51. Boyd, Walter, 189, 242. Brackenbury, Sir Robert, 42. Branch mints, 294. Brazil, commencement of trade with, 180, 181. Bristol, mint at, 50. British Linen Bank, 225. Bronze coinage, 296, 353, 354. Bullion Committee, 216, 229-31, 242, 243, 247, 281, 331; appointment of, 182; views on inflation, 194, 199, 205; Peel's attitude towards, 207. Bullion debates, 185-8, 194. Bullion Report, 125, 182-9, 204, 205, 240. Bullion regulations, 33, 34. Burnsted's plan for recoinage, 72. Buonaparte, Joseph, 181. Burke, Edmund, on country banks, 152. Byzantium, coins of, 22. Calais, 62. Canning, George, 187-9, 204, 207. Canterbury, mint at, 50. Caravels, Portuguese, used for transporting Spanish silver, 83. Cash payments, restriction of, see Bank Restriction Act. Cash payments, resumption of,

195, 199-209, petition against,

Castlereagh, Lord, 187, 204.

204.

on the coinage of Edward VI, 67; makes plans for recoinage, 72. Charles I, and the silver in the Tower, 85, 86, 88, 95. Charles II, borrows on tallies, 101; financial position in 1672, 102; treatment of the bankers, 105; financial position after 1672, 105, 106. Charles V, Emperor, 44. Cheques, use of, 147, 148, 163, 249, 289-91. Chester, mint at, 131. Child's Bank, 98. Child, Sir Francis, 106. Churchill, Winston, 325. City of Glasgow Bank, 272. City of London, protests against gold pennies, 23. Clay, Sir William, 250. Clearing House, 242, 245, 288-90; at Lyons in Middle Ages, 94; system in 17th century, 99; establishment of, 163. Clipped money in 1639, whether legal tender, 124. Clipping, general account of, 5, 6; action against, 5, 43, 44, 79, 110, 111; remedy for, 5, 43, 44, 87; effect of, 9, 10; made treason, 79. Coal trade, growth of, 24. Cobbett, William, 209, 211, 216; on the crisis of 1825, 223. Coinage Act, of 1870, 294, 295, 353; of 1889, 295; of 1891, 295, 296, 353; of 1920, 314, 315, 353. Coinage, quantity of at accession of Elizabeth, 71; free coinage established, 89; state of in 1695, 113, 114; quantity issued, 1696, 130; quantity of at various dates, 145, 146. Coins, English, table of, 348-50. Coin weights, provided by King John, 6. Colvill, banker of Charles II's reign, 98, 106. Commercial Bank of Scotland, 225. Committee on the Resources of the Bank, 1797, 171-3. Committee on the Coinage, 1798, 175, 177, 196. Committee on the High Price of Gold Bullion, 1810, see Bullion Committee. Committee on the State of Commercial Credit, 1811, 193.

Cecil, Sir William, 70, 78; advice

Committee on the Resumption of Cash Payments, 1819, see Peel's Committee, Committee on Agricultural Distress, 1821, 209, 210. Committee on Promissory Notes in Scotland and Ireland, 1826, 226. Committee on the Bank Charter, 1832, 229, 230, 233, 234. Committee on Joint-Stock Banks, 1836-8, 251. Committee on the Constitution of the Bank, 1839-41, 251-3. Committee of 1847-8, 265, 266. Committee of 1857-8, 269, 270, 274, 275. Committee of 1924, 324, 327, 328. Commodity prices, see Prices. Commonwealth money; 97, 109 Conqueror, William the, establishes Tower Mint, 8; introduces Roman scale, 9. Consols, price of, 169, 170. Continental System, 183. Cooper, the Chronicler, 50. Copper money, see Token coins. Corn Laws, 261 Cottington, Sir Francis, 82. Cottington Treaty, 82, 83, 92, 93, 112. Council of State, and Blondeau, 86. Counterfeiting, general account of, 5; effect of, 10; of token money, 157-9, 193. Counterfeit money, importation of, 32, 156, 157; from Ireland, 40. Country clearing, 1914-28, 334. Coutts & Co., 270. Credit currency, growth of, 91-108; progress in 18th century, 146-8; control of, 161, 164, 165, 212, 216, 227, 228, 250, 251. Crimean War, 268. Crisis, of 1695-6, 5, 125-35; of 1763, 161; of 1772, 161; of 1783, 163-4, 172; of 1793, 165, 166, 172, 173; of 1797, 166, 167-74; of 1811, 178, 193, 194; of 1815-16, 178, 195, 200, 202; of 1825, 218-23, 227, 232, 256, 279, 299; of 1839, 235-40, 256; of 1847, 257-67, 270, 278, 279; of 1857, 268-76, 279; of 1866, 277-81; of 1890, 285-6, 299; of 1907, 287; of 1914, 299-303; of 1920-1, 321-3; present possibility of, 292. Cromwell, Oliver, 86, 87, 96. Cromwell, Thomas, 47, 57.

Crown, French, 45, 63; made current in England, 45. Crown of the Double Rose, 46, 349. Crown of the Rose, 46, 349. Crown, silver, 350. Crown gold, see Gold. Cunliffe Committee, 316-21, 327, 330; and deflation, 323. Cunliffe, Lord, 317.
Currency and Bank Notes Act, 1914, 303, 319, 328. Currency and Bank Notes Act. 1928, 235, 328-32. Currency, meaning of, 240-6, 251, 256. Currency Notes Account, 304. Currency notes, first issue of, 302-4; reserve against, 303, 316; legal tender of, 303, 325; convertibility of, 303, 309, 319, 325, 326; quantity of during the war, 309-12; quantity of after the war, 313; limitation of issue of, 319-21; amalgamation with Bank note issue, 320, 324, 327, 328-30. Currency Theory, 243-6, 248-53, 256-8, 261, 262, 267, 270, 275, 331, 332. Customs duties, payment of by

cheque, 289. Davenant, Charles, 241. Deadweight', 217. Debasement, by Henry VIII, 47-52, 55-7, 78, 137; statistics of, 57, 58; by Edward VI, 59-64. Deflation, under Edward VI, 66, 67, 69; in 1696, 133, 134; effects of, 205, 208, 209, 216, 323, 324, 326, 327; Cunliffe Committee and, 318, 319; 1920-1, 322, 323. De la Pole, Michael, 34. Denarius, 7, 9. Denier, 7. Dennistoun & Co., 272, 274. Deposit banking, 289, 290. De Yonge's case, 187, 193. Discount rate, 1893-7, 286, 287. Dollar, American, see Exchange rate, with United States. Dollar, silver, issued by Bank of England, 192. Domesday Book, monetary units Double Sovereign, 349. Double standard, efficient working of, 19, 20; at end of 17th century, 139-41.

Douglas Heron & Co., 161. Ducat, of Ferdinand and Isabella, 45; made current in England, 45. Duncombe, Charles, 106. Dunkirk, presented to Cromwell, 87, 88; sold back to France, o6. Dunkirk money, 109. Dyly, Sir William, 149.

East India Company, 138, 139, 146, 161, 272. East India trade, 258, 259; and the gold standard, 138-40. Economist, The, on the Bank and the discount market, 283; on the Bank's reserve, 284-5; on the prohibition of the export of gold, 316. Écu à la couronne, 45.

Écu au soleil, 45.

Edinburgh, recoinage at, 146. Edward I, Exchequer of, 12; and the Italian bankers, 112. Edward III, appoints searchers for bullion, 3; Exchequer of, 13; borrows from Italians, 25; debts to Italians, 28; issues noble, 28;

later years, 30, 31; reduction of weight of coins, 136, 137; florin of, 143, 144. Edward IV, accession of, 36; profit on reduction of standard, 38, 41; recoinage of in 1464, 56, 57.

Edward VI, coinage of, 42. Edward VI, debts of, 61, 69, 70; journal of, 61; sets example in economy, 66; debasement of the coinage, 66-9, 78; efforts to reform coinage, 69; death of, 70; image on the base coins, 76. Edyngdon, William de, 18.

Elford & Co., 220. Elizabeth, Queen, position of the coinage at accession of, 71; her memorandum on the coinage, 72; reformation of the coinage, 71-8; later changes of the coinage, 79.

English trade, commencement of,

Exchange brokers, of Antwerp, 68,

Exchange rate, first quoted in London, 24; fixed by Italian merchants, 24; between the écu and sterling, 25; with florin of Florence, 25; in 1525, 45; with Antwerp during Tudor debasement, 64; with Holland in 1695-6, 119, 134; with Hamburg during Restriction period, 178-82, 194, 215; with France, 'pegging' of, 307-9, 313, 314; with Italy, 'pegging' of, 307-9, 313, 314; with United States, 306-9, 313, 314, 315, 317, 322-4, 326, 336. Exchequer, of Edward I, 12; of Edward III, 13; as a war chest, 61; state of in 17th century, 111; stoppage of rumoured, 102; stoppage of, 103-6; assists Backwell, 103; during recoinage of 1696, 128. Exchequer bills, 99, 128, 131, 147; as currency, 108; first issued, 134; issued to relieve crisis, 166, 193, 194, 220, 221; interest on during Napoleonic wars, 228. Exchequer orders, 101-5; as currency, 107.

Export of coin and bullion, laws against, 3, 4, 140; forbidden in 1335, 13; after the Black Death, 17, 18; freedom of, 87, 89; laws against repealed, 206; restrictions upon, 1914-25, 306, 307, 309, 315, 316, 317, 324-6.

Fabyan, the Chronicler, 41, 43.

Federal Reserve Board, 322, 325.

Ferdinand and Isabella, issue

Farthing, silver, 350.

ducat, 45.

Feudal system, 18.

Export duty, on wool, &c., 14.

Fiduciary issue, see Bank notes, Bank of England notes, Banks, Currency notes. Finance companies, 277-81. Fitzherbert, plan for recoinage, 72. Floating debt, 318. Florin de l'écu, first issued, 24; rate of exchange with sterling, 25; superseded, 45. Florin, Dutch, 309. Florin, gold, of Edward III, 26, 348; failure of, 27. Florin of Florence, first issued, 22; success of, 23; rate of exchange with sterling, 25; weight of, 26. Florin, silver, 350. Fox, Charles, on the meaning of 'currency', 242. Fox, Fowler & Co., 255.

Franc, French, 307-9, 313, 314, 333.

France, gold coins of, 24, 45, 96; money raised in price, 49, 51; silver coins of circulated in England, 196; gold reserve of, 299.
Froude, on the base money of Queen Mary, 70; on the recoinage of Elizabeth, 75.
Fuggers, of Antwerp, 95.
Fullarton, John, 246-8, 250, 251, 252, 289.

Genoa, Spain sends silver to, 82. George noble, 349. Germany, gold reserve of, 299. Gilbart, J. W., 237. Glasgow, during crisis of 1857, 272, 273. Godfrey, Michael, on the Bank of England, 117. Gold, ancient standard, 19, 26; value of in 15th century, 41; supply of and the discovery of America, 44; crown or 22 carat gold, 46, 52, 59, 60, 81; of 23 carats, 48, 56; of 20 carats, 55; disappearance of during debasement period, 63; price of during debasement period, 63; 22 carat gold supersedes angel gold, 81; quantity coined at various periods, 81; price of, 1695-6, 119, 120, 134; coinage of suspended, 127; resumed, 134; usefulness as money, 140; price of during

as money, 140; price of during Restriction period, 179-81, 183, 193, 194, 195, 200, 201, 204, 208, 215; from Portugal, 179; depreciation of, 1811, 191; free trade in established, 206; Bank purchase price, 254, 295; from California and Australia, 267, 316; from South Africa, 286, 307, 316, 317; export of, 306, 307, 309, 315-17; value of during the war, 313, 314; import of, 316; in United States, 1919, 316, 317; price of, 1919-20, 316, 317; price of, 1919-20, 316, 317; value of, 1920-1, 322; Bank sale price, 325; scramble for, 327; in private hands to be paid to Bank, 329, 330; Mint rating of at various dates, 347; Mint price of at various dates, 347; Mint price of at various dates, 347. See Gold coins.

Gold and Silver (Export Control) Act, 1920, 317, 324.

Gold coins, in 1346, 19; use of in early times, 21, 22, 144; melting

made legal, 206; in Scotland, 225; defacement of light, 293, 294; withdrawal of in 1914-16. 304; melting of, 306; quantity of, 1914, 311, 320; dealings in, above face value, 314. See Crown, Florin, Guinea, Sovereign, &c. Gold penny, issued, 22; failure of, Goldsmiths, employed by Elizabeth in the recoinage, 77; charged with melting coin, 84; attitude towards Mint charges, 88; the first bankers, 91, 95, 96; of Amsterdam, 93; sort out and melt coin, 93; purchase Spanish silver and Dunkirk money, 96; advance money to Exchequer, 96, 97; solicit custom of the merchants, 97; credit of, in Charles II's reign, 102; melt milled money, 112. See Back-well, Viner.

well, Viner.

Gold standard, present position,
137; establishment of, 138-46; in Germany and France, 140; in 1798, 175; Lord Liverpool on,
176; legal adoption of, 196-8; return to in 1819, 205-9; abandonment of during the war,
306,307,309; Cunliffe Committee and, 318-20; return to, 323-7.

Gold Standard Act, 1925, 89,
325-8.

Gregory, the Chronicler, 40. Grenfell, Pascoe, 196.

Gresham, Sir Thomas, and the exchange with Antwerp, 47, 64, 66-9; Agent in Flanders, 67, 70, 74; on prices and exchanges, 68; advice to Elizabeth, 73; and 'Gresham's Law', 73, 75; know-

ledge of banking, 94. Gresham's Law, 10, 73, 75, 78, 84. Groat, 39, 350.

Guinea, issue of, 89, 90; price in 17th century, 110, 111, 119, 120; price of, 1696-1717, 127, 141-5, 349; fixed at 21s., 142; use of in 17th century, 144; export of, 167, 179; disappearance of, 182; premium upon, 187, 192; superseded, 198.

Gurneys of Norwich, 151.

Gurneys of Norwich, 151. Gurney, Hudson, 195, 202, 207, 208, 209, 218. Gurney, Samuel, 279. Halfpenny, early, 8; silver, 350. Half-sovereign, modern, first issued, 198. Hamburg, panic at, 179, 180; ex-

change with, 178-82, 194, 215. Hammered money, method of coining, 4.

coining, 4. Harman, Jeremiah, 184, 202, 205, 228-30.

Harrington, Earl of, 157.

Hawtrey, R. G., on prices during Restriction period, 179.

Henry III, holds trials of the pyx, 5; introduces gold penny, 22.

Henry VI, coinage in 1470, 42. Henry VII, adopts standard of Edward IV, 42; management of

the coinage, 43.
Henry VIII, early years, 44; debasement of the coinage, 47-55, 78, 137; expenditure on French war, 52; borrows from the Mint, 53, 54; death of, 55; debts of, 57; and his father's money, 61.

Heywood, John, 59. Hoare, James, 106.

Hoare, Sir Richard, 106. Holinshed, 21, 50.

Horner, Francis, 182, 185-9. Houblon, Sir John, 132.

Houghton, John, 109, 119, 127. Household accounts, early practice, 92.

Hume, David, 241. Hume, Joseph, 251.

Humfrey, William, plan for recoinage, 72.

Hundred Years' War, 13. Huskisson, William, 182, 186, 187, 204, 207.

India, trade with, method of financing, 259.

Industrial Revolution, effect of banking, 149-54.

Inflation, 1694-6, 119-21, 133; during Napoleonic wars, 137, 178-82, 185; in 1825, 218, 219; during the war, 304-6, 309-14; Cunliffe Committee and, 317.

Inquiry into currency question, 1343, 14; of 1382, 31, 33; of 1601, 79.

Interest, rate of under Henry VIII, 52; under Edward VI, 67; under Charles II, 102, 103; under William III, 117; on Exchequer bills, 147; maximum legal rate,

226-8, 234. See Bank rate, Discount rate Invasion of North Wales, 170, 174. Ireland, base coin imported from, 40; issued in, 47; base coins to be sent to, 73; banks of, 255, 303, 329; famine in, 261. Italian bankers, see Banks.

James I, fixes weights for individual coins, 4, 80; unites the gold coinages of England and Scotland, 80. . James II, treatment of the bankers, 105; financial position, 106, 107, 114. Jenkinson, Charles, see Liverpool, First Earl of. Jevons, W. S., on light coin, 295. Jewel Chamber at Westminster, 48, 50, 67. John, King, fixes least current weights, 6. Jones of Bristol, 219. Joplin, Thomas, 224, 233.

Ket's Rebellion, 60. King, Baron, opposes Restriction Act, 189; proposes to refuse notes at par, 190-2.

Land Bank, 127, 128, 131, 132. Land Tax, 126, 127. Laurentic, S.S., sinking of, 307. Leadenhall, exchange set up in, 43. Legal tender, minimum fixed for gold, 27, 144; limitation of for copper, 157; limitation of for silver, 159, 160; present regulations, 354. Libra, 9. Light coin, removal of, 6, 89, 134, 135, 156, 198, 199, 293-6, 353. Limited liability, 235. Liverpool Banking Co., 264. Liverpool, First Earl of, pamphlet on coinage, 175-7; adoption of principles of, 196; on paper money, 242. Liverpool, Second Earl of, 177, 196, 198, 216, 219, 220, 224, 291. Liverpool's Coinage Act, 1816, 177, 196-8, 199. Lira, 307-9, 313, 314, 333. Lloyd's Bank, 255. Locke, John, 159, 191, 202, 216, 327; on raising the denomination of money, 121, 123, 124, 135-7.

London and Westminster Bank. 256. London, as financial centre, 299. Lottery loan, of William III, 115. Lottery tickets, 147. Louis IX, 24. Louis XIII, and clipped money, 86, 111. Lowndes, William, on the coinage in 1695, 113, 114; on the proposed recoinage, 122-4, 131, 132; his principles, 132, 135-7. Loyd, S. J., 244-6, 251, 252, 258, 270. Luttrell, Narcissus, 128, 144, 145. Lyons, fair of, 94.

Macaulay, 118; account of the clippers, 5; on the recoinage of 1696, 131; on the views of Lowndes, 135. Macdonald & Co., 272.

Macleod, H. D., and Gresham's Law, 73; on the inflation of 1696, 125; on the effect of the return to cash payments, 209; on Walter Boyd, 242; on the discount rate in 1844, 260. Malachi Malagrowther, 225, 226.

Malt tickets, 147. Managed currency, advocated after

the war, 323. Manchester and Liverpool District Banking Co., 236.

Mark, Danish, 9. Mark, German, 324, 333.

Martin's Bank, 106. Mary of Hungary, 51.

Mary Tudor, did not add to base money, 70; coins of, 70. McCulloch, J. R., on the boom of

1809, 180, 181.

McKenna duties, 308. Mercantilism, 88.

Merchant Adventurers, 60, 68. Mestrell, Eloye, 86.

Metallic standard, efficiency of, 2,

Mexico, silver from, 82.

Meynell, goldsmith of Charles II's reign, 97. Mill, J. S., 270.

Mill, invention of, 86, 87.

Mint, established in the Tower, 8; borrowing from by Henry VIII, 53; inactivity under James I, 82; position of under Charles II, 112, 113; erected outside the

Tower, 196; and the crisis of 1825, 222; right to take gold to, 254, 325; regulations of, 293, 294. Mint charges, effect of, 3; unauthorized, 3; of Henry VII, 43; of James I, 81, 82; abolition of, 87, 88, 109, 110; at various dates, 346, 347. See Mint indenture. Mint indenture, of 1343, 15, 26; of 1344, 15, 28; of 1346, 15, 19; of 1351, 17, 29; of 1411, 35; of 1470, 42; of 1483, 42; of 1485, 42; of 1526, 45, 46; of 1542, 47; of 1544, 50; of 1549, 59; of 1560, 76; of 1601, 79, 80; of 1604, 80; of 1605, 81. Mint price, see Gold, Gold coins, Gold standard, Silver, Silver coins, Silver standard, Mint indenture. Monasteries, silver from, 47, 51; land sold, 52. Moneyers, not trustworthy, 3-5,

302, 305. Mun, Thomas, 87, 139. Napoleon Buonaparte, 183, 194, 195. National Bank of Scotland, 225. National Debt, bankers' debt part of, 105; and the gold standard, 145; after Napoleonic wars, 209-11; conversion schemes, 217,

'Money-market theory', 248, 251.

Montague, Charles, 122, 124, 125,

Moratorium, in August 1914, 301,

128, 129, 135.

218. National Provincial Bank of Englang, 233.

Neale, James, Fordyce, and Down,

Netherlands, Spain's administration of, 82.

Newcastle, Shields, and Sunderland Banking Co., 264.

Newcastle, stoppage of banks at, 165, 169.

Newmarch, William, 270.

Newton, Sir Isaac, on the recoinage of 1696, 123; becomes Warden of the Mint, 131; Master of the Mint, 141; reports on the coinage, 141, 142, 144, 198; on token coins, 158.

Noble, first issued, 28; weight reduced, 29, 35; price raised, 37,

38, 41; weight at various dates, 348.

Norman, George Warde, 244-6, 249, 251, 252, 258, 270.

Northern and Central Bank of England, 236, 238, 239.

North, Sir Dudley, 113, 121.

Northumberland, Duke of, 61; attempt to reform coinage, 65-7; execution of, 70.

Norwich, mint at, 131; banks of and small notes, 200.

Notes, see Bank notes, Bank of England notes, Banks, Currency

Offa, King of Mercia, 6, 332. Ora, origin of, 9. Ounce, relationship to money units, 9. Overend, Gurney & Co., 278-80, 285, 292. Overstone, Lord, see Loyd, S. J.

notes.

Paget, Lord, 53, 54, 72, 73.
Palmer, John Horsley, 229-32, 233, 234, 236, 237, 238, 239, 245, 252, 253, 260, 281, 283; his plan of credit management, 230-1, 258, 269; opposes joint-stock banks, 237; and the Bank Charter Act, 256, 257.

Parliament, control of the coinage, 36.

Pass book, first used, 100. Paston Letters, 41.

Pearce, John, 184.

Peasants' Revolt, 18.

Peckham, Sir Edmund, 48, 55, 71, 72.

Peel, Sir Robert, view of the nature of the pound, 1, 137; and the resumption of cash payments, 204, 205, 207, 208; and the Bullion Committee, 207; his views on currency, 243; and the Bank Charter Act, 251-3, 256-8, 264, 265, 269, 332.

Peel's Act of 1819, 4, 205-11, 216, 233.

Peel's Committee of 1819, 1, 204-8, 243, 246, 247, 318, 319.

Peninsular War, 180.

Penny, bronze, weight of, 353. Penny, gold, issue of, 22; weight of,

Penny, silver, first issued, 6-9;

Pennyweight, weight fixed, 7. Pepin, King of France, 7. Pepys, Samuel, uses bank note, 98; his banker's book-keeping, 100; on central banks, 102; his account with Viner, 102; on the credit of the bankers, 102; on counterfeiting, 110, 113. Perrers, Alice, 31. Philip of Valois, 24. Pirry, Martin, 54, 55. Pitt, William, and the Bank of England, 166-70; on the meaning of 'currency', 242. Plumpton Letters, 41. Pole, Thornton & Co., 221. Pollards, recoinage of, 11, 135. Pope's collector, should be English, 32. Portugal gold, 193. Postal orders, temporarily legal tender, 303. Postponement of Payments Act, 1914, 301. Potosi, mines of, 44. Pound, ad numerum, 7; ad pensum, 7; ad scalam, 7. Pound, Saxon, 7. Pound, sterling, a unit of account, 1, 2, 191, 207; origin of, 6; lowest value during Tudor debasement, 63, 65; value in reign of Mary, 70, 71; under Charles II, 110; on a paper basis, 171; regulation of value, 178, 245; value during Restriction period, 179, 180; Hudson Gurney on, 202; basis after Peel's Act of 1819, 211, 212; depreciation of during the war, 309-14; value after the war, 318, 322-4; value since 1925, 326, 327; summary of its history, 332, 333. Pound, Tower, origin of, 8; banished from the Mint, 45. Pound, troy, relationship to Saxon pound, 7, 8; first used officially, 39; introduced into Mint, 46. Prices of commodities, in the Middle Ages, 6, 332, 333; in 15th century, 40; effect of debasement of coinage, 57, 60, 64; maximum fixed, 60; discontent at rise of, 61; in Elizabeth's reign, 79; in 1695-6, 119, 134; during Restriction period, 178-

changes in weight of, 350. See

Mint indenture.

80, 182, 194, 195, 208-10; in 1825, 218; effect of South African gold, 286; 1914-18, 309, 313, 322, 334; Government control of, 300. Provincial Bank of Ireland, 233. Public faith, Locke on, 136. Purchasing-power parity, 313, 314, and graph, 336. Pyx, trials of, 5. Quantity theory, 216, 240, 248. Railway mania, 235, 238, 239, 260, 261, 278; in America, 271. Ratio, between gold and silver, 19, 20, 22, 79, 80, 81, 138-40. Receivers of revenue, method of handling money, 149, 150 Recoinage, early, 5, 10; of 1279, 11; of 1299, 11; of gold in 1411 and 1421, 35; of 1465-6, 38, 39; plan for in 1551, 61; of Elizabeth, 71-8, 129; delay under Stuarts, 111, 112; of 1696, 121-37; of 1774, 156; of 1816, 197-9; of 1842-5, 294; of 1890-4, 295, 296. Reduction of the standard weight. in 1275, 9; in 1343–6, 14–16; in 1351, 17, 18, 33; made illegal, 30; opposition to in the 14th century, 31, 33; in 1411, 35; in 1464, 36, 40, 41; in 1526, 45, 57; in 1542, 47, 57; in 1601, 79, 80; suggested in 1818-19, 202, 203, 204, 205, 207, 208, 209-11; suggested 1830 and 1833, 233; suggested 1921, 323. Reflux, theory of, 247, 248, 250. Reform Act, 234. Remedy allowance, meaning of, 4; advantage taken of by Henry VIII, 57; fixed for individual coins, 295. Reserve, of the Bank of England, see Bank of England. Ricardo, David, 169; paper on high price of bullion, 186; and the return to cash payments, 205, 208-11, 217, 218, 325, 326. Richard II, 31. Richard III, coinage of, 42.

Richelieu, Cardinal, 86. Rio Janeiro, skates sent to, 181,

Robinson, W. R., & Co., 262.

250.

Roman scale, introduction of, 9. Rose, George, 187. Rose ryal, 81, 89, 349. Rothschild & Co., 222. Rouble, Russian, 309. Royal Bank of Liverpool, 263, 264. Royal Bank of Scotland, 225. 'Running cashes', 99, 100. Russell, Admiral, 118. Rutland Accounts, 49. Ryal, first issued, 38; price raised, 50; weight of, 348.

Sanderson & Co., 263, 273, 275. Scheyfve, Jehan, 67, 69. 'Scilling', 8.

Scotland, banking in, 155, 156, 225, 233, 255; bank notes in, 217, 255, 303, 329; notes under £5, 225, 226. Scott, Sir Walter, 225, 226.

Scriveners, functions of, 92, 93,

Searchers for bullion, 4.

Seignorage, effect of, 3; reduced by Henry VII, 43; yield under Henry VIII, 44; amount at various dates, 346, 347. See Mint indenture.

Seven-shilling pieces, 174.

Shakespeare, quoted on use of gold and silver, 22.

Shaw, Sir John, 96.

Shaw, W. A., on Henry VIII's debasement, 51; on Exchequer orders, 101, 102.

Shilling, early, 8; English, 9; first issued, 43; weight of, 350, 353.

Shipping industry, growth of, 24. Silver, sterling, origin of, 8; supply of, 11, 12, 13, 18; scramble for amongst nations, 13; value in 15th century, 41; from America, 44, 70, 79, 80, 95, 138; of 10 oz. fineness, 47, 49; of 9 oz. fineness, 50; of 6 oz. fineness, 52; of 4 oz. fineness, 55; of 10½ oz. fineness, 56; of 3 oz. fineness, 61, 62; price of, during Tudor debase-

ment, 64; of 11 oz. 1 dwt. fineness, 65, 73; of 11 oz. fineness, 70; sterling silver restored, 73; from Mexico, 82-5; quantity coined under Charles I, 83, 92; of the Spaniards, 83, 85, 87, 93,

96; quantity coined 17th century, 109; price of, 17th century, 109, 110, 119, 134; depreciation of, 138; disappearance of, 141, 142, 145, 146; premium upon at the Mint, 146; during 18th century, 146; threatens to displace gold, 175; Mint closed to coinage of, 175; price of during Restriction period, 179-81, 215; in 1814, 194; in 1816, 198; since 1816, 199, 201; free trade in established, 206; price of controlled, 314; highest price reached, 1920, 314; Mint rating of, 346; Mint price of, 346.

Silver coins, condition in 1464, 39; circulation in 1542, 57; quantity issued, 1549-51, 60; condition in 18th century, 156, 159; as tokens, 159, 160; shortage of, 161, 162; disappearance of, 192, 193; agitation for reform of, 195, 196; made tokens, 196, 197; legal tender restricted, 196, 197; melting made legal, 206; not to be dealt in above face value, 314; fineness reduced, 314, 315; as reserve against Bank notes, 329. See Debasement, Mint indenture, Penny, Recoinage, Reduction of the standard weight, Silver.

Silver standard, pound based upon, 19; partially abolished, 160; demand for its restoration, 233. See Gold standard.

Sinking Fund, money borrowed for, 202.

Six-pound piece, Scottish, 80.

Smith, Abel, 151.

Smith, Adam, on the price of wheat, 1351-1558, 41; on token coinage, 159; on the meaning of currency', 241.

Smith, Payne & Smith, 151, 270.

Smith, Sir Thomas, 73. Smith, Thomas, 1, 205, 207.

Solidus, 9, 333. Somers, Lord, 124, 135. Somerset, Protector, 78.

South Africa, gold from, 286, 307, 316, 317.

South African War, 287.

South American States, loans to,

Sovereign, first issued, 43; modern, first issued, 197, 198; first issues refused and sent to France, 201; least current weight of, 293, 294; average life of, 294; weight of,

294, 295; present regulations, 348, 349, 353. Cottington's treaty with, Spain, 82, 83, 92, 93, 112; silver from, 82-5, 87, 93, 96. Spanish dollars, issued in England, 174. Speculation, see Crisis; in exchanges, 323, 324. Speed's notes, 118. Spur ryal, 81, 349. Standard weight, for individual coins, 4, 80. Stanhope, Lord, introduces bill for making Bank notes legal tender, 191, 192. Stanley, Sir Thomas, 72, 73. Staplers, and trade with Antwerp, 68. Star Chamber, 84, 93. Statute of Purveyors, 30. Statute of Stepney, 3. Statute of York, 1335, 13. Statutes of Employment, 3, 34. Sterling, meaning of, 8. Sterling silver, introduction of, 8; banished from the Mint, 315. Steuart, Sir James, 241, 246. Stonor Letters, 41. Stow, John, 50. Stuckey's Bank, 152. Symon, Thomas, 86, 88.

Tallies, nature and use of, 99-101; issued to the bankers, 105; as currency, 107; under William III, 114, 115; purchased by the Bank, 117, 118; amount outstanding, 1696, 132, 133. Teston or Testoon, first coined, 48, Thornton, Henry, 169, 182, 228, 230, 231, 241, 281; on depreciated currency, 186, 187; on the meaning of 'currency', 242, 243. Thornton, Samuel, 169, 170, 182, 199, 201, 203, 205, 228. Thorold Rogers, J. E., 64. Three-farthing pieces, 76. Three-halfpenny pieces, 76. Tierney, George, 204, 207, 225. Times, The, on the restriction of cash payments, 170; on the crisis of 1825, 220, 221, 293; on the reserves of banks in 1866, 284. Tin money, 158. Token coins, history of, 157-9; of

lead, 157; tradesmen's tokens, 157, 192, 296; of copper, 157-9, 174, 175, 192, 296; of tin, 158; regulation of, 158, 159, 176, 177, 199, 329, 353; Lord Liverpool on, 176, 177; issued by the Bank of England, 192, 193; of silver, 196-9, 315, 353, 354; exchange of worn pieces, 199, 353; of bronze, 296, 353, 354. Tonnage Act, 115, 116. Tontine, 115.
Tooke, Thomas, 205, 246-8, 250, 251, 252, 270, 283, 284. Torrens, Robert, 244, 251, 257. Tower, Mint in, 8. Tower pound, see Pound. Tradesmen's tokens, see Token coins. Treasury, and the fiduciary issue, 329-33. Treasury bills, in 1914, 305. Treaty, of Sir Francis Cottington, see Cottington treaty. Treble sovereign, 349. Trials of the pyx, 5.
Troy pound, see Pound.
Turnemire, William de, 11.

Union of the Crowns of England and Scotland, 80, 81. Unite, first issued, 80; price raised, 89; weight of, 349. United States, banking in, 235, 236; debt to, 308; exchange with, see Exchange rate. Usury Law, 226-8, 234.

Vansittart, Nicholas, 185, 187, 188, 190, 196, 202, 203, 204, 216. Vaughan, John, 151, 152. Value of money, regulation of, 3. Velocity of circulation, 313, 321, 322; of bank deposits, 334. Viner, Sir Thomas, 96, 97, 99, 104, 106. Violet, Thomas, 83, 84, 93, 109.

Ward, William, 229, 230.
War Risks Insurance Scheme, 307.
Wars of the Roses, 41.
Ways and Means Advances, 305.
Weguelin, T. M., 269, 270, 284.
Western Bank of Scotland, 272, 274.
Western, Charles, 210, 211, 216, 331.

#### **INDEX**

Wood, banker of Gloucester, 151. Wood, Sir Charles, 252, 253, 263. Wool trade, importance of in Middle Ages, 12; Edward III and, 14. Worn coin, see Light coin. Worthington Evans, Sir Laming, 331. Wriothesley, Lord, 52, 53-5.

York, mint at, 50.

367

Wheat grains, penny to weigh 32, 7.
Whithall, banker of Charles II's reign, 104.
Whitmore, John, 184.
William I, establishes Tower Mint, 8, 9.
William III, effects of his policy, 114; financial position, 114-19.
Wilson, James, 246, 251, 252.
Window tax, 126.
Wollstat, Daniel & Co., 74.