

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

FIXED IDEAS OF MONEY

Most European countries are rather small, yet we know little about their monetary history. This book analyzes for the first time the experience of seven small states (Austria, Belgium, Denmark, the Netherlands, Norway, Sweden, and Switzerland) during the last hundred years, starting with the restoration of the gold standard after World War I and ending with Sweden's rejection of the Euro in 2003. The comparative analysis shows that, for most of the twentieth century, the options of policy makers were seriously constrained by a distinct fear of floating exchange rates. Only with the crisis of the European Monetary System (EMS) in 1992–1993 did the idea that a flexible exchange rate regime was suited for a small open economy gain currency. The book also analyzes the differences among small states and concludes that economic structures or foreign policy orientations were far more important for the timing of regime changes than domestic institutions and policies.

Tobias Straumann is Lecturer in the History Department of the University of Zurich and the Economics Department of the University of Basel. He studied at the Universities of Bielefeld and Zurich and the Ecole des Hautes Etudes en Sciences Sociales in Paris. After a career in economic journalism, he was a visiting scholar at the University of California at Berkeley and lecturer at the University of Lausanne. Dr. Straumann has worked in the fields of Swiss economic history and European financial and monetary history. He has published articles in the *Journal of Contemporary History*, the *European Review of Economic History*, and the *Historische Zeitschrift*.

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

STUDIES IN MACROECONOMIC HISTORY

SERIES EDITOR

Michael D. Bordo, *Rutgers University*

EDITORS

Marc Flandreau, *Institut d'Etudes Politiques de Paris*

Chris Meissner, *University of California, Davis*

François Velde, *Federal Reserve Bank of Chicago*

David C. Wheelock, *Federal Reserve Bank of St. Louis*

The titles in this series investigate themes of interest to economists and economic historians in the rapidly developing field of macroeconomic history. The four areas covered include the application of monetary and finance theory, international economics, and quantitative methods to historical problems; the historical application of growth and development theory and theories of business fluctuations; the history of domestic and international monetary, financial, and other macroeconomic institutions; and the history of international monetary and financial systems. The series amalgamates the former Cambridge University Press series *Studies in Monetary and Financial History* and *Studies in Quantitative Economic History*.

OTHER BOOKS IN THE SERIES

Howard Bodenhorn, *A History of Banking in Antebellum America* [9780521662857, 9780521669993]

Michael D. Bordo, *The Gold Standard and Related Regimes* [9780521550062, 9780521022941]

Michael D. Bordo and Forrest Capie (eds.), *Monetary Regimes in Transition* [9780521419062]

Michael D. Bordo and Roberto Cortés-Conde (eds.), *Transferring Wealth and Power from the Old to the New World* [9780521773058, 9780511664793]

Claudio Borio, Gianni Toniolo, and Piet Clement (eds.), *Past and Future of Central Bank Cooperation* [9780521877794, 9780511510779]

Richard Burdekin and Pierre Siklos (eds.), *Deflation: Current and Historical Perspectives* [9780521837996, 9780511607004]

Trevor J. O. Dick and John E. Floyd, *Canada and the Gold Standard* [9780521404082, 9780521617062]

Barry Eichengreen, *Elusive Stability* [9780521365383, 9780521448475, 9780511664397]

Barry Eichengreen (ed.), *Europe's Postwar Recovery* [9780521482790, 9780521030786]

Caroline Fohlin, *Finance Capitalism and Germany's Rise to Industrial Power* [9780521810203, 9780511510908]

Michele Fratianni and Franco Spinelli, *A Monetary History of Italy* [9780521443159, 9780521023450, 9780511559686]

Continued after the Index

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

Fixed Ideas of Money

*Small States and Exchange Rate Regimes
in Twentieth-Century Europe*

TOBIAS STRAUMANN

University of Zurich



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore,
São Paulo, Delhi, Dubai, Tokyo, Mexico City

Cambridge University Press

32 Avenue of the Americas, New York, NY 10013-2473, USA

www.cambridge.org

Information on this title: www.cambridge.org/9780521112710

© Tobias Straumann 2010

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written
permission of Cambridge University Press.

First published 2010

Printed in the United States of America

A catalog record for this publication is available from the British Library.

Library of Congress Cataloging in Publication data

Straumann, Tobias.

Fixed ideas of money : small states and exchange rate regimes in twentieth-
century Europe / Tobias Straumann.

p. cm. – (Studies in macroeconomic history)

Includes bibliographical references and index.

ISBN 978-0-521-11271-0

1. Foreign exchange – Europe. 2. Monetary policy – Europe.

3. States, Small. I. Title. II. Series.

HG3942.S78 2010

332.4'56094–dc22 2010011779

ISBN 978-0-521-11271-0 Hardback

Cambridge University Press has no responsibility for the persistence or
accuracy of URLs for external or third-party Internet Web sites referred to in
this publication and does not guarantee that any content on such Web sites is,
or will remain, accurate or appropriate.

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

To Manuela, Emil, and Jakob

Content

<i>List of Figures</i>	<i>page</i> xi
<i>List of Tables</i>	xv
<i>Preface</i>	xvii
Introduction	1
PART I: THE INTERWAR YEARS	
One Early Divergence	24
Two The Return to Prewar Parity	61
Three Fear of Experiments	94
Four Dissolution of the Gold Bloc	126
PART II: AFTER BRETTON WOODS	
Five Fixed versus Floating	175
Six Hard and Soft Pegs	214
Seven The Swiss Exception	276
Eight Floating in the North	308
Conclusion	343
<i>Bibliography</i>	347
<i>Index</i>	385

Figures

1.1	British pound and currencies of five small neutral countries (percentage of prewar parity)	<i>page 25</i>
1.2	Denmark, Norway, and Sweden: exchange rates as a percentage of PPP	34
1.3	The Netherlands and Switzerland: exchange rates as a percentage of PPP	34
1.4	Discount rates of Denmark, Norway, and Sweden, 1917–1924	36
1.5	Discount rates of the Netherlands, Sweden, and Switzerland, 1917–1924	36
1.6	Switzerland: discount rates and metallic cover ratio	40
1.7	Sweden: official discount rate and gold cover ratio	41
2.1	Exchange rates of currencies of small neutral states until restoration of gold standard (percentage of prewar parity)	62
2.2	Yield on banking capital in Denmark, Norway, and Sweden, 1920–1937 (net profit or loss as a percentage of capital and reserves)	65
2.3	Yield on banking capital in the Netherlands, Switzerland, and Sweden, 1920–1937 (net profit or loss as a percentage of capital and reserves)	65
2.4	Consumer prices of five small neutral states, 1918–1929	70
2.5	Official discount rates of the Netherlands, Sweden, and Switzerland, 1918–1924	71
2.6	Swedish krona and British pound (percentage of prewar parity) and Swedish discount rate	74
2.7	Dutch guilder, Swiss franc, and British pound (percentage of prewar parity)	76
2.8	Danish krone (percentage of prewar parity) and official discount rate	84

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

xii

Figures

2.9	Danish krone and Norwegian krone (percentage of prewar parity) and Norwegian discount rate	90
3.1	Gold and exchange reserves of Belgium, the Netherlands, Sweden, and Switzerland, 1931	98
3.2	Sterling rate of Swedish krona and Swedish wholesale price index (January 1931 = 100), 1931–1933	116
3.3	Wholesale prices of the United Kingdom, Denmark, Norway, and Sweden, 1931–1933 (1913 = 100)	120
3.4	Exchange rates of sterling and Scandinavian currencies (percentage of gold parity), 1932–1933	120
4.1	The course of the Belgian triplet crisis	145
4.2	Belgium: crucial events and index of gold reserves (January 1934 = 100)	146
4.3	Exchange rates of sterling and the currencies of Belgium, the Netherlands, and Switzerland (percentage of 1929 gold parity)	168
5.1	Central bank independence and centralization of wage bargaining	181
5.2	Nominal effective exchange rates of Norwegian krone, Swedish krona, and British pound sterling (1972 = 100)	199
6.1	Small states with DM peg: Austria, Belgium, Denmark, and the Netherlands (effective nominal exchange rates, 1970–1990)	215
6.2	From DM peg to currency basket peg: Norway and Sweden (effective nominal exchange rates, 1970–1990)	215
6.3	Inflation and unemployment, 1970–1985	218
6.4	Central bank discount rates: Germany, Belgium, Denmark, and the Netherlands (end of year)	226
6.5	Central bank discount rates: Germany, Norway, and Sweden (end of year)	226
6.6	The Netherlands: unemployment rate (in percent) and real hourly earnings in manufacturing (percentage change from previous year)	227
6.7	Sweden: unemployment rate (in percent) and real hourly earnings in manufacturing (percentage change from previous year)	228
6.8	Scandinavia: relative unit labor costs, 1970–1985	244
6.9	EC members Belgium, Denmark, and the Netherlands: current-account balance (in percent of GDP)	249

<i>Figures</i>	xiii
6.10 Norway and Sweden: current-account balance (in percent of GDP)	249
6.11 Norwegian krone and oil price, 1978–1991	258
6.12 Austria, Denmark, and the Netherlands: real wages (percentage change from previous year)	261
6.13 Austria: unemployment rate in comparison with other small states	262
6.14 DM rate of Austrian schilling, 1968–1983 (1968 = 100)	270
7.1 Chronology of major events and real exchange rate of USD/CHF and DM/CHF (monthly), 1973–1978 (1973 = 100)	288
7.2 Real exchange rate of CHF against DM and USD, 1973–1998 (monthly, January 1999 = 100)	292
7.3 M0 and M1, in mio CHF (monthly)	300
7.4 Nominal exchange rate of CHF against DM (monthly), 1970–1998	301
7.5 Interest-rate differentials Austria/Germany and Switzerland/Germany (Austria: money-market rate; Germany and Switzerland: LIBOR)	303
8.1 Price of crude oil and Norway’s oil production	317
8.2 DM rate of Norwegian krone and price of crude oil	330
8.3 DM rate of Norwegian krone and key interest rate of <i>Norges Bank</i>	333
8.4 Nominal effective exchange rate of Swedish krona	338

Tables

1.1	Chronology of the gold standard	<i>page</i> 25
1.2	Consumer prices of small European Neutrals (1914 = 100)	35
1.3	Notes in circulation of small European Neutrals (first semester 1914 = 100)	35
1.4	Political and institutional differences	47
1.5	Public finances	50
1.6	Trade balances of Denmark, Norway, and Sweden	53
1.7	Trade figures of Denmark, Norway, and Sweden, 1918–1922 (1913 = 100, current prices)	57
2.1	Floating and total debt	79
2.2	Economic indicators of Denmark, Norway, and Sweden (1922–1929)	82
3.1	Regimes before and after Gold Standard	96
3.2	Openness and trade with Great Britain (1928)	96
3.3	United Kingdom gold exports (in thousands of pounds)	102
3.4	Short-term balances of <i>Riksbank</i> and commercial banks (in million Kronor)	107
4.1	Chronology of the gold bloc	127
4.2	Assets and liabilities of Belgian banks by principal items (in millions of francs)	150
4.3	Assets of banks in Belgium, Holland, France, and Switzerland in percent of total assets, 1930	151
4.4	The Belgium banking system in 1930	153
4.5	Trade statistics of Belgium, the Netherlands, and Switzerland (1928, 1934)	158
4.6	Real GDP, GNP, and NNP of Belgium, the Netherlands, and Switzerland (1927–1936)	159

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

xvi

Tables

4.7	Political and economic indicators of Belgium, the Netherlands, and Switzerland	160
4.8	The new regimes of the gold bloc countries	165
5.1	Exchange-rate regimes of large and small European states (1972–1979, 1990–1993, 1999)	176
5.2	Criteria for choice of exchange-rate regime	179
5.3	Average inflation rates in OECD countries under alternative institutional arrangements (1955–1990)	182
5.4	Average inflation rates of Germany and small European states (1973–1979)	186
5.5	Total international reserves, 1973	195
5.6	Trade openness (1974–1979)	196
5.7	External constraints and opportunities (1970s)	207
5.8	External constraints and opportunities (1990s)	207
6.1	The “Double Difference” among small European states (1973–1982)	223
6.2	External constraints of small European states	224
6.3	Real wages in Belgium, Denmark, and the Netherlands (1972 = 100)	251
6.4	Inflation-adjusted trend (mid-cycle) structural budget balances (percent of GDP/GNP)	254
6.5	Net migration as percentage of total population	267
6.6	Employment rate in industrial sector as percentage of population 15–64 years	267
6.7	Gross fixed capital formation as percentage of GDP	268
6.8	Chronology of Austrian exchange-rate policy	271
7.1	Foreign assets of domestic banks (1970)	279
7.2	External positions of reporting European banks, December 1972 (in million USD)	281
8.1	Exchange-rate policies of Norway and Sweden (1990–2001)	311
8.2	Crisis indicators: Norway versus Sweden, Finland	315
8.3	Profit before taxes of banks (percentage of average total assets) in Finland, Norway, and Sweden	316
8.4	Major trading partners of Sweden and Switzerland at the time of their regime change	336

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

Preface

Few topics have been more popular among economic historians and political scientists than the monetary history of Western Europe, and the industry is still alive and well. Yet, as with any industry, some paths of discovery have been followed more frequently than others. Most important, scholars usually have focused on the large European countries because, obviously, France, Germany, and the United Kingdom have been the driving forces in Europe's monetary history, and therefore, the experiences of small European states have been neglected. This blind spot is the main reason for this study. It attempts to make a first step toward a more comprehensive understanding of the monetary history of seven small, economically developed countries: Austria, Belgium, Denmark, the Netherlands, Norway, Sweden, and Switzerland.

Given that almost every small state has its own language and has produced a bulk of literature on its monetary history, I decided to restrict the study in two ways. First, I focused on the question of exchange-rate regime changes, and second, I confined the period under study to the interwar years and the decades after the end of Bretton Woods because the regime changes were particularly frequent during these two periods. This restrictive approach enabled me to cope with the huge amounts of primary and public sources and to tell a coherent story. My main finding is that for most of the twentieth century, small European states preferred having their exchange rates fixed or pegged and that the reason for this preference was not institutional or economic in nature but rather the result of a deeply rooted fear that a floating exchange rate would hamper trade and complicate monetary policy.

Because of this strong preference for fixed rates, I have chosen to call this study *Fixed Ideas of Money*. The expression is not meant in negative terms, however, although these fixed ideas sometimes proved counterproductive,

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

xviii

Preface

especially during the Great Depression of the 1930s. As I try to show, the fear of floating was based on considerations about possible risks of foreign exchange markets. In retrospect, this fear may seem exaggerated, yet it was entirely rational at the time, given that the goals of policy makers were to make controlled adjustments and to avoid short-term fluctuations. The corporatist ideal of keeping the power of markets within clearly defined limits was reflected directly in the way small European states chose their exchange-rate regimes during the twentieth century.

During the current crisis, there are signs that the trend toward floating exchange may become less popular among small states. In particular, Iceland, once overwhelmingly sceptical toward Brussels, is now considering adoption of the euro. Such a move would not question the basic argument of this study, however. First of all, Iceland is a very small country, counting only 320,000 inhabitants, and therefore hardly comparable with Belgium, Sweden, or Switzerland. Second, Iceland is not considering a return to the traditional monetary order by introducing fixed exchange rates. Policy makers know well enough that the old regime of the twentieth century would not have shielded them from the recent turbulence. On the contrary, it is very likely that a fixed-exchange-rate regime would have harmed the economy even more, similar to what happened in Argentina in the final phase of the currency board period. The “fixed ideas” of the twentieth century are not experiencing a comeback.

Needless to say, all this research could not have been done without the help of others. First of all, I would like to thank Albrecht Ritschl, through whom I discovered the monetary history of Europe, and Brad DeLong, Barry Eichengreen, and Tim Hatton, who introduced me to Europe’s economic history during the twentieth century. Without the encouragement of all these inspiring teachers, I hardly would have approached this complicated topic. I am very thankful to Harold James for his great support. He read the manuscript, helped me to improve the basic argument, and endorsed the publication. I also profited from critical comments made by members of the scientific committee of the University of Zurich who reviewed my thesis: Volker Bornschier, Jörg Fisch, Dieter Ruloff, Jakob Tanner, and Ulrich Woitek. Last but not least, I would like to thank the editors of the series, in particular Michael Bordo and Scott Parris, for their interest and encouragement.

I am heavily indebted to a number of colleagues who have read parts of the manuscript: Nicolas Cuche, Luciano Ferrari, Klas Fregert, Patrick Halbeisen, Per Hansen, Lars Hörngren, Erik Jones, Drew Keeling, Hein Klemann, Sverre Knutsen, Daniel Lampart, Claude Million, Jonathon

Cambridge University Press

978-0-521-11271-0 - Fixed Ideas of Money: Small States and Exchange Rate Regimes in
Twentieth-Century Europe

Tobias Straumann

Frontmatter

[More information](#)

Preface

xix

Moses, Markus Stierli, Oliver Zimmer, and Mathias Zurlinden. And I have profited from conversations and exchanges with Elisabeth Allgoewer, Jan Baumann, Felix Butschek, Thomas David, Gerald Feldman, Serge Gaillard, Sébastien Guex, Eduard Hochreiter, Håkan Lindgren, Johannes Lindvall, Håkan Lobell, Ivo Maes, Margrit Müller, Philipp Müller, Tom Notermans, Kurt Schiltknecht, Peter Scholliers, Hansjörg Siegenthaler, Lars Svensson (Lund), Brigitte Unger, Anders Vredin, Herman van der Wee, and Jan Luiten van Zanden.

Finally, I thank all the people who helped me find the archival sources and publications I was looking for: Walter Antonowicz and Bernhard Mussak (Österreichische Nationalbank), Daisy Dillens (Nationale Bank van België/Banque Nationale de Belgique), Aase Skjødt (Danmarks Nationalbank), Joke Mooji and Joke van der Hulst (Nederlandsche Bank), the personnel of the National Archives in Oslo (Riksarkiv), Inger Kindgren and Mira Barkå (Sveriges Riksbank), Patrick Halbeisen (Swiss National Bank), and Edward Atkinson and Chris Bennett (BIS Archives and Library). I am also grateful to Chris Young, who put in a lot of time and effort providing many helpful comments on style and clarity.

This research project was funded in part by the Swiss National Science Foundation (application number 1115–61633.00). In particular, this financial support enabled me to spend the academic year 2000–2001 at the University of California at Berkeley.